

RajaRajeswari College of Engineering (Approved by AICTE, New Delbi, Govi, of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074





Department of Master of Computer Applications

Project list 2022-23

S.No	USN	Name	Guide Name	Titles
1	1RR21MC001	A Rajkumar	Mrs. Deepa K R	Deep Learning based attack detection for Cyber physical system cyber security
2	1RR21MC002	Abhishek S	Mrs. Deepa K R	Traffic Accident Risk Prediction Using Machine Learning
3	1RR21MC004	Amrutha S	Mrs. Deepa K R	Predicting Stock market trends using continuos and binary algorithms
4	IRR21MC005	Anusha S	Mrs. Deepa K R	Toxic Speech Classiffication Using Machine Learning
5	1RR21MC006	Archana R	Mrs. Deepa K R	Machine Learning Algorithm Evaluation For Detection of Fake Bank Currency
6	1RR21MC007	Ashish krishna P	Mrs. Deepa K R	SDN Shield : NFV Based Defense Framework Against DDoS Attacks on SDN Control Plane
7	1RR21MC008	Bhavana G	Mrs. Deepa K R	Spammer Detection and Fake User Identification on Social Networks
8	1RR21MC009	Bhavaya C	Mrs. Deepa K R	Master Face Attacks on Face Recognition Systems
9	1RR21MC010	Bhavyashree V	Mrs. Deepa K R	A Malware Detction Approach using Authoencoder in Deep Learning
10	1RR21MC011	Chandan K	Mrs. Deepa K R	DSAS : A secure Data sharing and Authorized searchable Framework for e-Health
11	1RR21MC012	Chandana K L	Dr. T. Subburaj	Fake Job Post Prediction using Random Forest Classification Method
12	IRR21MC013	Chandana N L	Dr. T. Subburaj	Real Time Human Detection and Counting
13	1RR21MC014	Darshan P	Dr. T. Subburaj	Water Quality Classification Using SVM amd XGBoost Method
14	IRR21MC015	Deeraj C	Dr. T. Subburaj	BIRD BOOK
15	1RR21MC016	Dhanushree R S	Dr. T. Subburaj	Real Time Passenger Train Delay Prediction Using Machine Learnig : A Case Study with Amtrak Passenger Train Routes
16	1RR21MC017	Diana Jennifer S	Dr. T. Subburaj	Detection of Phishing Websites Using Machine Learning
17	1RR21MC018	Faisal Pasha A	Dr. T. Subburaj	Prediction of used car Prices Using Artificial Neural Networks and Machine Learning
18	1RR21MC019	Gagan G R	Dr. T. Subburaj	Heart Disease Prediction Using Machine Learning and Data Anlaystics Approach
19	1RR21MC020	Girish	Dr. T. Subburaj	Enhancing Academic Achievement : An Automated Student Tracking Control System
20	IRR21MC021	Harsha M	Dr. T. Subburaj	Efficient Thyroid Disease Prediction Using Features Selection and Meta Classifiers



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21	IRR21MC022	Harshavardhana R	Dr. Annu sharma	Electricity theft Detection in smart grids basd on deep neural networks
22	1RR21MC023	Harshitha H N	Dr. Anu Sharma	Automated Bird Species Identification using AudioSignal Processing and Neural Network
23	1RR21MC024	Harshitha P V	Dr. Annu Sharma	plant Disease Detection and classification Using Machine Learning Algorithm
24	1RR21MC025	Jaishankar M	Dr. Annu Sharma	Recognise the Speech Emotion Using Support Vector Machine
25	1RR21MC026	Javeed Pasha	Dr. Annu Sharma	DL-Guess : Deep Learning and Sentiment Analysis Based Cryptocurrency Price Prediction
26	1RR21MC027	Jayashree	Dr. Annu Sharma	Smart Contract based Agricultural Food Supply Chain Traceability
27	1RR21MC028	Jyoti A Desai	Dr. Annu Sharma	Fraud Detection on Bank Payments Using Machine Learning
28	1RR21MC029	Likhitha K B	Dr. Anu Sharma	Pneumonia Detection using Deep Learning
29	1RR21MC030	Madhu Srinivas	Dr. Annu Sharma	Underwater Image Classification based on CNN Algorithms
30	1RR21MC031	Madhukumar A P	Dr. Anu Sharma	Cardless Transaction Using Biometric triats for Authentication
31	1RR21MC032	Mahadev Prasad H S	Mr.Shreedhar	Deep Learning for Road Traffic Forecasting : Does it make a differece?
32	1RR21MC033	Mallikarjun B	Mr.Shreedhar	A Responsive Web View Application for Orphanage connecting and Adaption
33	1RR21MC034	Manoj	Mr.Shreedhar	Symptom Based Explainable Artificail Intelligence Model for Leukemia Detection
34	1RR21MC035	Meghana R	Mr.Shreedhar	Air quality Prediction based on Machine Learning
35	1RR21MC036	Monika R	Mr.Shreedhar	Health Care GPT
36	IRR21MC037	Niranjan R	Mr.Shreedhar	MorseSpectraNet: A Concordant Synapse Morse Recognition and Detection Network by Deep Learning
37	1RR21MC038	Nisarga B	Mr.Shreedhar	Privacy Prevention Data Encryption Strategy for Big Data in Mobile cloud Computing
38	1RR21MC039	Nischitha A P	Mr.Shreedhar	Crop Yield Prediction and Fertilizer Prediction
39	1RR21MC040	Nischitha M	Mr.Shreedhar	A Data Analystics Strategy to the Underground Economy of Cybercrime
40	1RR21MC041	Prasad H R	Mr.Shreedhar	Bug Tracking system
41	1RR21MC042	Premanth Gowda	Mrs. Priyanka V G	Parkinsons Disease Detection using Machine Learning
42	IRR2IMC043	Pushpalatha G	Mrs. Priyanka V G	Drug Recommender System Using Machine learning for Sentiment Analysis of Drug Reviews
43	1RR21MC044	Rahul R Baht	Mrs. Priyanka V G	A Machine Learnig based Classification and Prediction Technique for DDoS Attacks
44	IRR21MC045	Rohith K	Mrs. Priyanka V G	Data Mining Applications to Fault Duagnosis in Power Electronic Systems : A Systematic Review



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45	1RR21MC046	Shraddha S	Mrs. Prisonte V.C.	
46	1RR21MC047	Shreya P Heade	Mrs. Privatka V G	DL Based Human Assault Detector
47	1RR21MC048	Tilak H N	Mirs. Priyanka V G	Blockchain-Based Management for Organ Donation and Transplantation
48	10001040040	this firs	Mrs. Priyanka V G	E-Puncture
	TRR2TMC049	Uday S N	Mrs. Priyanka V G	Detection of Stress in IT Employees using Machine Learning
49	1RR21MC050	Varun R	Mrs. Priyanka V G	Detecting Disorders of Consciousness in Brain Injusies From EEG Connectivity Through Machine Learning
50	1RR21MC051	Vidyasagar	Mrs. Priyanka V G	Dual Access Control for Cloud based Data Storage and Sharing
51	IRR21MC052	Vinod Kumar G	Mrs. Deepa K R	Improving the Reliability of Network Intrusion Detection Systems through Dataset Integrations
52	1RR21MC053	Yashashwini K S	Mrs. Deepa K R	Fraud Detection and Analysis for Insurance Claim using Machine Learning
53	1RR21MC054	yathiswar B	Dr. T. Subburaj	Hospital and Doctor Recommendation with Disease Prediction using Machine Learning
54	1RR21MC055	Yogeesh	Dr. T. Subburaj	Detect Cyberbullying using Machine learning and Deep learning
55	1RR21MC056	Dhanush R	Dr. Annu Sharma	Liver Disease Prediction Using Ensemble Techniques
56	1RR21MC058	Varshini S	Dr. Anu Sharma	Dual Server Public Key Authenticated Encryption with Keyword Search
57	1RR21MC059	SAI PONAPPU REDDY	Mr.Shreedhar	Multi authority Attribute Based Keyword search over Encrypted cloud data
58	1RR21MC060	Vinay G B	Mr.Shreedhar	Multi authoruty Access control with Anonymous Authentication for Personal Health Record

Cordinator

Barrow HOD

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on

"Deep Learning-Based Digital Physical System Threat Identification A Study of Information security"

Submitted in partial fulfilment of the Requirements of the 4th Semester in **MASTER OF COMPUTER APPLICATION**

By A RAJ KUMAR 1RR21MC001

Under the Guidance of

SAINADHPANDA

Project Coordinator CBNL Technologies Rajajinagar, Bangalore 560010

Mrs.DEEPA K R

Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. A RAJ KUMAR bearing USN:1RR21MC001, bearing students of 4th semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "Deep Learning-Based Digital Physical System Threat Identification A Study of Information security" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal/Guide Mrs. Deepa K R

Associate prof Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subhuraj). Dependen of MCA^A C.A. Rajarning hwan C. Bang SBgalupso 569074

Gustpula

External Guide Sainadh panda,

Project Coordinator CBNL Technologies

Rajajinagar, Bangalore 560010

COLLEGE OFFICE ORDERING

EXTERNAL VIVA

Name of the Examiners

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2		•																 		

Signature with Date

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CLOUT BUSINESS NETWORK LIMITED.

Dear Sir/Madam,

We are glad to inform you that Mr. <u>A Raj Kumar</u> (USN: 1RR21MC001) from "RajaRajeswari College Of Engineering", **Bangalore**, We are pleased to offer an Project in our organization from April 2023 to July 2023.

Project will be the property of CBNL (Clout Business Network Limited) or its clients and to be treated as confidential & not shared with third parties.

With Regards

Sainadh Panda



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RAJARAJESWARI COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
Certificate
We hereby certify that
A Ray Kumar (1RR21MC001)
In recognition of the Publication of the Paper Entitled Oeep Learning Based Digital Physical System
Threat Identification - A Study of Information Security
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agringen - Alto.
Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

DECLARATION

I, A RAJKUMAR (USN:1RR21MC001), students of 4th Semester, Department of MCA, Rajarajeswari College Of Engineering, Bengaluru-74, declare that the project entitled "Deep Learning-Based Digital Physical System Threat Identification A Study of Information security" is a record of the original work done by me under the guidance and supervision of Mrs.DEEPA K R, Assistant Professor, Department of MCA, RRCE and this project work has not formed the basis of any Degree/Diploma/Fellowship or similar title to any candidate of any university.

Name: A RAJ KUMAR USN: 1RR21MC001

A. Rejbur Signature of the candidate

ABSTRACT

With the booming of cyber-attacks and cyber criminals against cyber-physical systems (CPSs), discovering these attacks remains challenging. In the contemporary cyber environment, disruption surveillance represents one of the major security issues. A sizable number of methods that are constructed on machinery understanding practices have been created. Therefore, in classification to identify the infiltration, we have created the machine learning procedures. Hidden education (DL) delivers superior performance to traditional machine learning (ML) solutions. Whenever there is adequate data, DL models almost deliver excellent results. However, DL models have been slowly applied to answer the CPS cybersecurity issue contrasted among other tackles such as NLP, image processing, software vulnerability, and many more. It is also practical that many DL models have been proposed in recent publications to detect CPS cyber-attacks. A widely accepted view to explain the difficulty of detecting cyber-attacks on CPSs was accredited to the degree of complexity when superposing cybersecurity over CPSs. In this systemUNSW-NB15 dataset was transferred from dataset storage place. Then, we have to implement the distinct categorization set of rules such as Logistic regression (LR) and LSTM. The experimental results shows that the accurateness for both algorithms.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

UTILISING DEEP LEARNING AND MACHINE LEARNING CONCEPTS TO FORECAST SHARE TRADING CHANGES

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

AMRUTHA S

1RR21MC004

Under the Guidance of

Mrs. Vaibhava Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Ms.Amrutha.S bearing USN:1RR21MC004, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "UTILISING DEEP LEARNING AND MACHINE LEARNING CONCEPTS TO FORECAST SHARE TRADING CHANGES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj H.O.D. De Department of MCAneering arajesh RRCE Bengalum 4 560074 Bangalore

EXTERNAL VIVA

Name of the Examiners

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Project Manager Ilacs Technologies Bengaluru-560078

Principal 0141723

Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramphalli Cross, Bengaluru-74 Signature with Date



Certification

This is to certify that Ms. Amrutha S (USN : 1RR21MC004) undergoing MCA from "RajaRajesheshwari College of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Using Deep Learning and Machine learning concepts to forecast share trading changes"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,

Q

Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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Certificate
We hereby certify that
Amrutha S (IRR21MC004)
In recognition of the Publication of the Paper Entitled Utilising Deep Learning & Machine Learning Concepts to Forecast Share Trading Changes
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agringer - Style.
Dr. N. Ayyanathan Editor in Chief Editor in Chief The Publisher

ABSTRACT

Due to several relevant elements, historically, the life of stock market movement has been confusing for investors. Using deep computing in machine learning model, this cram intends to drastically minimise The peril of a trend prediction. For experimental assessments, four market segments from the Stock markets in Tehran are chosen: fuel, mineral rights, diversified finance, and fundamental metals. This research contrasts nine machine learning model, with Dynamic Boosting, Random Forest, Decision Tree, aextreme gradient boost, Support Vector Classifier, Nave Bayes, the the k-n Neighbours Logistic (KNN) Regression, and Artificial Neural Network (ANN) in addition two effective deep learning techniques (Long Short-Term Memory and Recurent Neural Network (RNN)) (LSTM)).

Our input values are 10 technical indicators drawn ten years of historical data data, with two possible outcomes. Initial, the signals are calculated using stock trading values as constock trading values as continuous data, and tinuous data, and then they are converted binary data earlier use. Considering the input methods, Every forecasting model is assessed using three metrics. The assessment findings show that for continuous data, LSTM and RNN beat other prediction models significantly. Furthermore, the findings reveal that those deep learning approaches are the best in binary data evaluation; nevertheless, the difference becomes less significant Since the notable gain in model execution on the second way.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA ,BELAGAVI



Project Report on

DETECTION OF HARMFUL TALK UTILISING MACHINE LEARNING TECHNIQUES

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

ANUSHA S

1RR21MC005

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager Ilacs Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Ms.Anusha.S bearing USN:1RR21MC005, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "DETECTION OF HARMFUL TALK UTILISING MACHINE LEARNING TECHNIQUES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Jupg Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA A RRCE, Bengaluru - 560024ring Rajarajeshwan College - 560 074. Bangalore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Mr. Vaibhava Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Principal Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074

Signature with Date



Certification

This is to certify that Ms. Anusha S (USN :1RR21MC005) undergoing MCA from "Rajarajeswari college of engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title: "Detection of Harmful Talk Utilising Machine Learning Techniques"

She has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

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	OF ENGINEERING
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1	Certificate
	We hereby certify that
	Anusha S(1RR21M(005)
	In recognition of the Publication of the Paper Entitled Detection of Harmful Talk Utilising
	Machine Learning Techniques
	Published in
	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
	~ have -Auto
	Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

ABSTRACT

In today's era of online social networking sites, there is a massive surge in the propagation of toxic content speech. They provide many betterments. However, persons with considerable differences in their viewpoints have contributed to an increase in lethality of people in internet posts and debates. With the outbreak of the pandemic, corporations, educational institutions, students, and the general public have all increased their usage in web sites. For a long time, the growing popularity of internet platforms like Twitter and Facebook has remained a major cause of anxiety. Furthermore, given the diversity of these platforms' users' histories, beliefs, race, and customs, many of them choose to use disparaging, abusive, and antagonistic language while connecting with those do not share their background. This online toxicity has been increasing exponentially by advancements provided by these social media platforms in this emerging world under the cloud of anonymity.

Social media and the internet are now fundamental components of how people disseminate and receive information. The way that individuals communicate has changed substantially over the past ten years, partly as a consequence of social media's pervasive rise. It has made it possible for a world that is more connected and informed, but it has also given the best method to a brand-new phenomenon: poisonous speech. Obtainability of an open platform for the creation, discussion, and sharing of content, some quite opportunistic people have taken part in poisonous speech and generally critical comments.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

MACHINE LEARNING ALGORITHM FOR DETECTION OF FAKE BANK CURRENCY

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By ARCHANA R MULGE

1RR21MC006

Under the Guidance of

Ms. Kasthuri Project Manager TechCiti Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Ms.Archana RMulge bearing USN:1RR21MC006, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "MACHINE LEARNING ALGORITHM FOR DETECTION OF FAKE BANK CURRENCY" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

EXTERNAL VIVA

al Guide

Mrs.Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Pepartment

Dr. T Subburgi H.O.D. Department of MCAC A. Department of MCAC A. Separation of MCAC A. Department of MCAC A. Department of MCAC A. Department of MCAC A.



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External Guide

Ms.Kasthuri Project Manager TechCiti Technologies Bengaluru-560078

51417/23 **Principal**

Dr. R. Balakrishna

Principal of RRCE

RRCE,Bengaluru-560074 EAL-SCHEMINS COLLAR, OF ENGINEERING COLLAR, OF ENGINEERING Rameholishing Congolutur-7 Rameholishing Congolutur-7



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CIN: U72900KA2018PTC117376

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Kamataka 560078. Landline: 080-4162 8482 Email : info@techcitisoftware.in Website: www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT5240 Date: 11th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Archana R Mulge (USN: 1RR21MC006) pursuing MCA from Rajarajeshwari College of Engineering, Bangalore has successfully completed her project with our company, she has been working on the project title: "Machine Learning Algorithm Evaluation for Detection of Fake Bank Currency" under the domain: Machine Learning with Python from 08-05-2023 to 10-07-2023.

We have found her to be a self -starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely,



Manager Human Resources Department TechCiti Software Consulting Private Limited

> Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7th Phase, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email: info@techcitisoftware.in Web: www.techcitisoftware.in



ABSTRACT

In order to create instability in the money supply and profit from the fact that our country's bank currency is the single most significant asset that our country owns, criminals circulate counterfeit notes in the financial market that appear to be identical to the real notes. These notes seem to have been copied almost exactly from the actual notes. It has been observed that there is a spike in the market circulation of counterfeit cash during times of demonetization. This has been noted to be the case. In the majority of instances, a human being will require a number of specialist features established for the purpose of identification in order to differentiate between a genuine and a counterfeit note. These elements were designed specifically for the purpose of identification. This is due to the fact that a false note will often have elements that are identical to those seen on a real note. It is possible to tell the difference between banknotes that have been issued properly and those that have been printed fraudulently, although doing so can be challenging. As a result of this, there is a requirement for a common system that can be used at automated teller machines as well as banks. It is required to develop an effective algorithm in order to construct such an automated system. This algorithm must be able to determine whether the banknote in question is legitimate bank currency or counterfeit bank cash. For the purposes of achieving the goals of constructing this system, this is absolutely necessary. This is due to the fact that in order to manufacture believable counterfeit banknotes, a significant amount of accuracy is required. In this study, we attempt to recognise real bank currency by applying six distinct supervised machine learning algorithms on a dataset that was collected from the machine learning repository at the University of California, Irvine. The purpose of this study is to improve our ability to identify authentic banknotes from counterfeit ones. In order to put this plan into action, we have relied on a variety of strategies that have proven to be effective in the past. As a continuation of our prior study, we have included an algorithm known as LightGBM and analysed its performance in comparison to the performance of other algorithms.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

SDNShield: NFV-Based Defense Framework Against DDoS Attacks on SDN Control Plane

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

ASHISH KRISHNA P

1RR21MC007

Under the Guidance of

Mrs.Vaibhava Sindhu

ILACS Technologies

Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE,Bengaluru-560021



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Ashish Krishna P bearing USN:IRR2IMC007, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "NFV-BASED ATTACK DEFENCE ARCHITECTURE FOR SDN MANAGEMENT LAYER " in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

tany Guide

Mrs.Deepa K R Assistant Professor Department of MCA RRCE,Bengaluru-560074

External Guide

Mrs.Vaibhava Sindhu Project Manager ILACS Technologies Bangalore-560078

J Bran

Head of Department Dr. T.Subburaj Department of MCA. RRCE Bangalarii Segarah Department College of English Department College of English Sigaraje Shuari College of English Bangaloro - 550 014.

Principal Dr.Balakrishna.R, Principal Principal of RRCE AJARAJESWARI Bengaluru-560074 GE OF ENGINEERINI Ramohalli Cross, Bengaluru

EXTERNAL VIVA

Name of the Examiners

1).....

2).....

Signature with Date

......



Certification

This is to certify that Mr. Ashish Krishna P (USN : 1RR21MC007) undergoing MCA from "Rajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "SDNShield: NFV-Based Defense Framework Against DDoS Attacks on SDN Control Plane."

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)



E-135N 2592-0397 P.188N-2321-784Y	
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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS	
RAJARAJESWARI COLLEGE OF ENGINEERING	
#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074	
Certificate	
We hereby certify that	
Ashish Krishna P(12R21 MC007)	_
In recognition of the Publication of the Paper Entitled NFV Based Attack Ocfence Architecture	_
for SDN Management hayer	
Published in	
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMAN	NITTES
- Auto	
Dr. N. Ayyanathan Er. S. Laksh Editor in Chief The Publisher	manan

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ABSTRACT

Similar to cloud computing, software-defined networking technology is a network management strategy that increases network performance and monitoring by enabling dynamic, programmatically efficient network design. CoFence, our proposed DDoS security system, empowers a space helps-area coordinated effort network across NFV-based space organizations. Domain networks can pool their resources with the aid of CoFence to defend against several DDoS attacks.We explicitly develop a unique asset distribution strategy for spaces that is fair, productive, and impetus viable. Maximizing a utility function based on reciprocity, the resource provider domains decide how much to give to each seeking peer. In this game, each domain has some ability to maximize its own utility. Maximizing a utility function based on reciprocity, the resource provider domains decide how much to give to each seeking peer. In contrast, the degree of demand that must be communicated to the resource supplier domains in order to obtain adequate support is determined by the resource demanding domains. The aftereffects of our reproduction show that the expected asset dispersion is compelling, impetus viable, fair, and equal. The honeypot is generally used in this undertaking to recognize gatecrashers. It distinguishes any unsafe movement did by means of the web.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Facial Detection System Master Strike

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYA C

1RR21MC009

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Mrs. DEEPA K R

Asst. Professor Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Ms.BHAVYA C bearing USN:1RR21MC009, student of 4thsemester MCA ha satisfactorily completed the Project work-20MCA44 entitled "Facial Detection System Maste Strike" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Compute Applications.

Mrs.Deepa K R Asst.Professor Department of MCA RRCE, Bengaluru-560074

1 dana

Head of the Department Dr. JepSubburaj M.C.A. HOD Department of Mef. Engineering NRCT Benealere 568604074.

External Guide Mr.Sainadh Panda Embedded Software Developer ILACS Technologies Bengaluru-560078

Principal Dr. Balakrishna R Principal Coll Coll Balagore Homesen Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

1...... 2.....

Signature with Date



Certification

This is to certify that Ms. Bhavya C (USN : 1RR21MC009) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Facial Detection System Master Strike"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)



ABSTRACT

Face authentication is now widely used, especially on mobile devices, rather than authentication using a personal identification number or an unlock pattern, due to its convenience. It has thus become a tempting target for attackers using a presentation attack. should be strong, Detecting Stress Using Wearables They may be challenging to nsor because of this, and remember, and should be changed regularly to ensure security. Personal identification numbers and unlock patterns are more convenient than passwords, but the user is still required to remember them, and people nearby may be able to steal a peek at them. An even more convenient method is biometric authentication, which uses a biometric trait unique to the user, eliminating the need to remember anything. This article suggests employing public-key encryption along with keyword search to effectively reduce the computing workload of biometric identification systems while maintaining privacy. Fully homo morphic encryption is used for template protection to ensure the biometric data is protected over the long term. Since they are all lattice-based, applied cryptographic algorithms also provide post-quantum security. The system maintains the unprotected system's recognition accuracy throughout. The system determines if the person is authorised or not. If the user is authorised, they are able to examine the original data; otherwise, they are unable to do so. The system uses a random forest classifier to determine whether a person is authorised or not by utilising a machine learning algorithm.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

AN AUTOENCODER-BASED

MALWARE DETECTION APPROACH FOR DEEP LEARNING

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYASHREE V

1RR21MC010

Under the Guidance of

Mr.Sainadh Panda Project Coordinator Clout Business Network Limited Bengaluru-560078

Mrs.Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074



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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Bhavyashree V, bearing USN IRR2IMC010, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "AN AUTOENCODER-BASED MALWARE DETECTION APPROACH FOR DEEP LEARNING" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internet Guide Mrs.Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074

(m

Name of the Examiners

External Guide Mr.Sainadh Panda Project Coordinator CBNL Bengaluru-560078

Principa

Dr.Balakrishna Rincipal Principal of RRCBAJESWARI Bengaluro+\$60074F ENGINEERING Ramohalli Cross, Bengaluru-7

Signature with Date

.............................

1)..... 2).....

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EXTERNAL VIVA

#14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru- 560074 (An ISO 9001-2008 Certified Institution)


CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Ms. Bhavyashree V (USN: 1RR21MC010)from"Raja Rajeswari College of Engineering", **Bangalore**, has successfully completed her projectfrom April 2023 to July 2023.

During project She has implement Advance Frameworks & She was very much interested to learn the functions of our core sector .

Title: "An autoencoder based malware detection approach for deep learning"

1. Ant Jack

Regards,

Sainadh Panda



ACKNOWLEDGEMENT

I am overwhelmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in the completion of this Project Work.

I am deeply indebted to our beloved Principal, **Dr.Balakrishna R** RajaRajeswari College of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HoD, **Dr.T.Subburaj** Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide Mrs.Deepa K R, Assistant Professor, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's My Pleasure to thank Clout Business Network Ltd for providing me the best platform to complete the project work and glad to thank the external guide, Project Coordinator, Bengaluru-560078.

I also express my heartfelt thanks to all the teaching and non-teaching staff members of MCA Department for their encouragement and support throughout this work.

Bhavyashree V (1RR21MC010)

Nowadays, when it results in malware detection, the increasing limits of classical detection approaches, additional to the improved precision of detection methods based on artificial intelligence algorithms, are shifting research findings in this area in favour of the latter. Asan outcome, we present something new. A malware finding model is included in this research. This kind using model of deep learning combines a grey-scale image representation of malware with an autoencoder network, investigates achieving successthe grey-scale image approach harmful software according to the autoencoder reconstruction error, and leverages dimensionality.

The reduction qualities of theauto encoder are used to distinguish malicious software from benign software. The proposed detection model obtained model of deep learning 96% and a consistent F-score of around 96% when used. We gathered an Android-side dataset that outperforms standard machine learning detection algorithms.Malware detection, autoencoders, malware pictures, and mobile application security are all available.

KEYWORDS: Autoencoder, Greyscale picture, F-score terms to create this article.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"SPAMMER DETECTION AND FAKE USER IDENTIFICATION ON SOCIAL NETWORKS"

Submitted in partial fulfillment of the requirements of the 4th Semester in MASTER OF COMPUTER APPLICATIONS

By

BHAVANA G

1RR21MC008

Under the Guidance of

Ms. VAIBHAVA SINDHU Embedded Software Developer Blitz Technology Bengaluru-560010

Mrs. DEEPA K R Assistant Professor Department of MCA RRCE, Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to certify that BHAVANA G bearing USN:1RR21MC008, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "SPAMMER DETECTION AND FAKE USER IDENTIFICATION ON SOCIAL NETWORKS" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide

MOLDEEPA KR Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

DR. T SUBBURAJ Department of MCA, RRCE, Bengaluru-560074 External Guide Ma. VAIBHAYA SINDHU Embedded Software Developer Blitz Technology Bengaluru - 560010

DR. BALAKRISHNA R Principal of RRCE Bengalutu -560074

RAJARAH SWITH COLLEGE DE 24 DE DING Ramph de la completation?

EXTERNAL VIVA

Name of the Examiners

1).....

2)....

Signature with Date



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Ms. Bhavana G</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC008) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Spammer Detection and Fake User Identification on Social Networks

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalors - 560 010. Website : www.bitztechnology.co.in / E-mail : hr@bitztechnology.co.in / info@bitztechnology.co.in Ph : 9591423924



Millions of people utilise social networking sites across the world. Users interactions with social sometimes unfavourable consequences. Majority of the social media networks have turned into a platform for scammers to disseminate a large volume of useless and harmful content. For instance, spam. Unwanted tweets are sent to consumers by phoney users in an effort to advertise services, which not only damage real users but also cause resource use to be disrupted. Furthermore, the capacity of spreading false information provided to consumers under false pretences has increased, giving to the spread of hazardous content. Detecting spammers and identifying phoney Twitter accounts has recently approaches for spotting spammers. Furthermore, a taxonomy for identifying Twitter spam methodologies is offered, which categorises the strategies in light of their capacity to detect: (i) false material, (ii) spam based on URL, (iii) spam in hot topics, and (iv) fake users.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA BELAGAVI



Project Report on

A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

CHANDAN K

1RR21MC011

Under the Guidance of

SAINADH PANDA

Project Coordinator Clout Business Network Limited Bangaluru-560010

DEEPA K.R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify Mr. CHANDAN K bearing USN:1RR21MC011 student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Applications.

DEEPA K.R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Departmetit of MGAC A RROB/Bengaluru- 5600740-76 rajarajeshwan Bangalore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2....

External Guide

SAINADH PANDA

Clout Business Network Limited Bengaluru -560074

Dr. R. Balakrishna Principal Principal Principal CBeligatum El\$600741NG Pamohalli Cross, Bengalum 74

Signature with Date

......



CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Ms. CHANDAN K (USN: 1RR21MC011)from"Raja Rajeswari College of Engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:"DSAS: A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System"

Regards,

Sainadh Panda



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 160010 Website : www.cbnBech.com E-mail : hr@cbnBech.com / info@cbnBech.com Ph : 9943994481

By sharing protected private Records of health (PHRs) with physicians or institutes engaged in medical research, a growing percentage of patients in the ehealthcare system possess access to high-quality medical services. One significant problem, though, is which the encrypted PHRs make it difficult to search for information effectively, which reduces data utilization. Another problem which this and that the method e providing medical care necessitates a doctor's constant availability online, which may be too expensive for certain professionals to afford (for example, to be absent occasionally). This study develops a new, practical, secure proxy searchable re-encryption technique that enables medical service providers to do remote PHR monitoring and research in a secure and effective manner. Only authorized doctors or research institutions the ability to access patient health records (PHRs)through our system, DSAS, which ensures their privacy and confidentiality. Additionally, Alice (the doctor-in charge) can delegate medical research and use to Bob (the doctor-in-agent) or an individual research institution by means That mist server, thereby minimizing information exposure in the sky We formalize the explanation behind security and demonstrate our scheme's security. Finally, performance analysis demonstrates the effectiveness of our plan.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

LIVE COUNT AND DETECT HUMANS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

CHANDANA N L

1RR21MC013

Under the Guidance of Dr. S Usha

> Project Coordinator Department of R&D

RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. CHANDANA N L bearing USN:1RR21MC013, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "LIVE COUNT AND DETECT HUMANS" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

H.O Internal Guide ATC UL

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

U St

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj⁴ C A Beach & C A Beach &

RRCE, Bengaluru - 560074

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

D. Out. **External** Guide

Dr. S Usha

Dean, RRCE

Department of R&D

RRCE, Bengaluru-560074

Principa Dr. R. Balakrishna

and the transferration

Principal of RRCE Bengaluma 20074 COLLEGE OF ENGINEERING Tamohalli Cross, Bengaluru-27

Signature with Date

••••••



RajaRajeswari College of Engineering



With A and the second s

PROJECT CERTIFICATE

This is to certify Ms. CHANDANA N L. [USN: IRR2IMC013], a student of RajaRajeswari College of Engineering, has successfully completed the "LIVE COUNT AND DETECT HUMANS" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

D. Quy .. With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Computer Science of Engineering RAJARAJESWARU COLLEGE OF ENGINEERING DENGALURU - 560 074.

ACKNOWLEDGEMENT

I am over helmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in completion of this **Project** Work.

I am deeply indebted to our beloved our Principal, **Dr. R. Balakrishna**, Rajarajeswari College Of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HOD, **Dr. T Subburaj**, Associate Professor and HOD, Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide **Dr. T Subburaj** Associate Professor and HOD, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's my pleasure to thank **RRCE** for providing me the best platform to complete the project work and glad to thank the external guide **Dr. S Usha**, Dean, Department of R&D, Bangalore-560074

I also express my heartfelt thanks to all the teaching and nonteaching staff members of MCA Department for their encouragement and support throughout this work.

CHANDANA N L 1RR21MC013

[ii]

The aptitude to accurately count and detect humans in real-time is a valuable application in various domains, including surveillance, crowd management, and social distancing enforcement. In this project, we advocate a Python-based solution that leverages computer vision techniques to achieve live human count and detection. Our approach utilizes a amalgamates of image processing, deep learning, and object detection algorithms to accurately identify and track human bodies within a given video stream or image. To begin, we employ pre-trained deep neural network, such as the Single Shot MultiBox Detector (SSD) or You Only Look Once (YOLO), to detect humans within the video frames. These models have undergone extensive training on large-scale datasets and are capable of detecting humans with high precision and recall. By using such models, we can rapidly identify the presence of humans in the scene. Once humans are detected, we employ advanced image processing techniques to track their movements across consecutive frames. This involves utilizing methods like bounding box tracking, optical flow, or Kalman filters to maintain a consistent and accurate count of humans within the video stream. Additionally, we can implement algorithms to estimate the direction and speed of human movement, enabling further analysis and insights. To assess the efficacy of our approach, we conducted experiments on various real-world video streams. Our results demonstrate that our system achieves reliable and efficient human counting and detection with minimal latency. We further validate the accuracy of our approach by comparing the results against ground truth annotations, and achieve a high degree of precision and recall in human identification. In conclusion, our Python-based solution provides a robust framework for live human count and detection using computer vision techniques. By leveraging state-of-the-art deep learning models and image processing algorithms, we can accurately track and identify humans in real-time video streams. This system has the potential to be deployed in a wide range of applications, contributing to improved surveillance, crowd management, and public safety measures.

Keywords:- machine learning, humans count and detect, visual intelligence.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

EVALUATION OF THE QUALITY OF WATER CONSIDERING SVM AND THE XGBOOST TECHNIQUE

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DARSHAN P

1RR21MC014

Under the Guidance of

Mr. Sainadh Panda Embedded Software Developer CBNS Technologies Bengaluru-560078

Dr. T. Subburaj

HOD, Department of MCA RRCE, Bengaluru-560074



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#14 Ramohalli cross, Mysore Road Kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified

> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr.Darshan P bearing USN:1RR21MC014, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Evaluation Of The Quality of Water Considering SVM And The XGboost Technique" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

(8977) Internal Guide

Dr.T Subburaj Professor, HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj Department of MCA RRCE, Belganue 560074 Department of M.C.A. Department of M.C.A. Bangalore - 550 974.

EXTERNAL VIVA

Stimporda

External Guide Mr.Sainadh Panda Embedded Software Developer CBNL Technologies Bengaluru-560078

Principadipal DRABalakrishna. R CORESIDERERSSEERING Ramonal Cross, Bengaluru-74

Signature with Date

Name of the Examiners

1..... 2..... CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

CBN

This is to certify that Mr. Darshan P (USN: 1RR21MC014)from "Rajarajeswari college of engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" Evaluation of the Quality of Water Considering SVM and the XGBoost Technique"

Regards,

Sainadh Panda



Water is debatably one of greatest crucial periodic asset ever provided to humanity. The quality of water has a direct impact on the biological system and human well-being. Water is used for a variedchoice functions, include consumption, agriculture, and modernization. Many poisons have adversely harmed aquaticexcellence in the long run. Water quality forecasting and assessment are currently critical to reducing contamination of water in the future. Continuous surveillance is futile because, as expected, the liquid'sexcellence is assessed using pricey research facilities and measured intervals. Low quality of water necessitates a more practical and sensible solution. Using the benefits of AI methods, the suggested framework creates a model that can assess the aquaticexcellence file and water quality class.

The goalmouth of this proposed framework is to offer a creative way for to assess water quality using Slope Helping Encoder. The plan includes the calculation of the Water Quality File, which is second-hand as a measure of the water's quality. The proposed method achieves high Train Accuracy (98%) and Test Exactness (94%). To classify water, the system employs numerous parameters related to water quality and features such as pH, divided oxygen, temperature, and conductivity of electricity. The model developed in this study is suitable for forecasting marinesuperiority as Amazing, Great, Poor, and Very Poor, and may be used for continuous monitoring and the board of water quality. The results demonstrate the adequate accuracy and precision of the suggested approach in predicting water quality, highlighting the ability of AI methods for aquaticsuperiority observing and the executives. The technique suggested can be rummage-saletrendy a variety of applications, including treatment of water, environmental monitoring, and marine life management.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA BELAGAVI



Project Report on

BIRD BOOK USING DJANGO

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DEERAJ C

1RR21MC015

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&D RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. DEERAJ C bearing USN:1RR21MC015, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BIRD BOOK USING DJANGO" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

DR. T Subburaj Head Of The Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburgi Department of MCA. ajarajeshwari Cone 2 The Engineering RR&IngBurgatärin - 550074

EXTERNAL VIVA

Name of the Examiners

2.....

P. Ort. External Guide

Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Prince

Dr. R. Balakrishna Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalii Cross, Bengaluru-7/

Signature with Date



RajaRajeswari College of Engineering





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PROJECT CERTIFICATE

This is to certify Mr. DEERAJ C [USN : IRR2IMC015], a student of RajaRajeswari College of Engineering, has successfully completed the "BIRD BOOK USING DJANGO" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated his knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

D. With Regards With Regards Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Contrater Science of Engineering RAJARAJESIVAR, COLLEGE OF ENGINEERING DEMOALURU - 500 074,

BIRDBOOK is a unique web-based project that aims to provide an all-in-one platform for bird enthusiasts, combining an extensive encyclopedia of bird species with a social media environment. Built using the Django framework and incorporating various web development technologies, BIRDBOOK offers users a comprehensive resource to study and connect with the world of birds. The project's primary objective is to provide an interactive encyclopedia for bird species, complete with detailed descriptions and photos. Users can browse through the vast database to learn about different bird families, species, and their distinctive characteristics. Additionally, the platform encourages user contributions by allowing them to add new bird species, update existing information, and upload images, fostering a collaborative and dynamic bird knowledge hub. In extension to the encyclopedia, BIRDBOOK used as a social medium network platform tailored to the requirements of bird enthusiasts. people will have access to create their profiles and they can connect with other bird lovers, join groups, send the birdwatching experiences with others. This social component enhances community engagement and facilitates knowledge exchange among members, creating a vibrant space for bird-related discussions and interactions. Notably, BIRDBOOK goes beyond being a mere repository of information. It incorporates a feature that enables users to report bird sightings, making it a valuable tool for both avid birdwatchers and professional ornithologists. These reports contribute to a larger bird observation database, aiding in scientific research and conservation efforts.

Overall, BIRDBOOK stands as a comprehensive online platform that caters to the diverse needs of bird enthusiasts. By providing a rich encyclopedia, fostering social connections, and facilitating the sharing of bird sightings, the project promotes a deeper understanding of avian biodiversity and encourages a sense of community among individuals passionate about birds.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

THE ENSEMBLE TECHNIQUE IS APPLIED TO

FORECASTING LIVER DISEASE

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Dhanush R

1RR21MC056

Under the Guidance of

Mr.Sainadh Panda

Project Coordinator Clout Business Network Limited Bengaluru-560078

Mr.Shreedhar K

Assistant Professor Department of MCA RRCE, Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Dhanush R, bearing USN 1RR21MC056, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "THE ENSEMBLE TECHNIQUE IS APPLIED TO FORECASTING LIVER DISEASE" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Mr.shreedhar K Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of Department Dr.T.Subburaj Department of MCAA BRCE, Bengaluru-56007ering Bangalore - 560 074.

EXTERNAL VIVA

Conta Purda

External Guide Mr. Sainadh Panda Project Coordinator CBNL Bengaluru-560078

Principa

Dr.Balakrishna R Principal of RRCE Bengaluru²566074 RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru

Signature with Date

Name of the Examiners

1).....

2).....

.....



CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Mr. Dhanush R (USN: 1RR21MC056)from "Rajarajeswari college of engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" THE ENSEMBLE TECHNIQUE IS APPLIED TO FORECASTING LIVER DISEASE"

Regards,

Sainadh Panda



Kajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com Ph : 9945994481

ACKNOWLEDGEMENT

I am overwhelmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in the completion of this Project Work.

I am deeply indebted to our beloved Principal, **Dr.Balakrishna R**, RajaRajeswari College of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HoD, **Dr.T Subburaj** Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide **Mr.Shreedhar K**, Assistant Professor, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's My Pleasure to thank Clout Business Network Ltd for providing me the best platform to complete the project work and glad to thank the external guide, Project Coordinator, Bengaluru-560078.

I also express my heartfelt thanks to all the teaching and non-teaching staff members of MCA Department for their encouragement and support throughout this work.

> DHANUSH R (1RR21MC056)

Liver illness is among these worst diseases on the planet. It occurs in the human body, most notably in the liver. The liver's primary function is to eliminate waste created by organisms, to store key vitamins required by the body to prevent them from go to waste, and to digest meals. This is a really terrible disease, and first step it must be done is to limit the risk explored by this lethal disease, and early detection can assist save the organism. The amount of people that are disease in the world is approx. 3.5 percent.

In recent decades, liver diseases have risen to prominence as among the world's top reasons for death and a condition that might fatal. Consequently, the WHO, Chronic illnesses are liable for over 59 percent of global mortality and 46% of conditions, and they claim livings of almost 35 million people worldwide. As the liver continues to operate even when partially wounded, issues with the liver are typically not identified until it is too late. Potentially, early discovery can save a person's life. This project's need is to outline a foundation for an iterative method of finding high-risk patients' events based on a clinical study data repository cognitive ML algorithm. To provide for the prediction to be accurate, the article is also open to new difficulties and potential adjustments to other cutting-edge technology. Injury to the liver, which performs a vital function for the body, could have catastrophic repercussions. Early liver disease detection is crucial for this reason. This work attempted to predict liver disease using an ensemble technique (Gradient Boosting Classifier + AdaBoost Classifier) based on various medical information gathered from healthy blood donors and liver patients.

Keywords: Detection, Clinical study, Boosting, Liver patients

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

"REAL-TIME PASSENGER TRAIN DELAY PREDICTION USING MACHINE LEARNING: A CASE STUDY WITH AMTRAK PASSENGER TRAIN ROUTES"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

Submitted By

DHANUSHREE R S

1RR21MC016

Under the Guidance of

Mr. Raghavendra Guligare

Project Manager Web Blitz Software Bangalore-560010

Dr. T Subburaj

Associate prof. Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application <u>PROJECT CERTIFICATE</u>

This is to certify Ms. DHANUSHREE R S bearing USN:1RR21MC016, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "REAL-TIME PASSENGER TRAIN DELAY PREDICTION USING MACHINE LEARNING: A CASE STUDY WITH AMTRAK PASSENGER TRAIN ROUTES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Dr. T Subburaj Associate prof. Department of MCA RRCE, Bengaluru-560074 Head of the Department Dr. T Subburaj Department of MCAACA Departi Faciliteering RRCE; Bengaluru - 560074 Bangah



Mr. Raghavendra Guligare Project Manager Web Blitz Software Bengaluru-560010

Prin Dr. R. Balakrishna

EXTERNAL VIVA

Name of the Examiners
1
2

Signature with Date

......



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Ms Dhanushree R S (USN: 1RR21MC016) from "Rajarajeswari college of engineering" Bangalore, has successfully completed her project work from April 2023 to July 2023.

Project Title:" Real-Time Passenger Train Delay Prediction Using Machine Learning: A Case Study with Amtrak Passenger Train Routes."

We wish her all the best and success in all future endeavours.

Regards,

Raghavendra Guligare



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

Passenger rail snafu greatly affects passengers' determination to use rail transportation as their mode of transportation. This piece suggests real-time projection of tourist delayed trains (PTDP) models employing artificial intelligence techniques. In In this paper, the effects of employing We study Real-time based Data-frame Format (RT-DFS) and Real-time with Past based Data-frame Format (RWH-DFS) on PTPD models. The results show that MLP with RWH-DFS PTDP models did better than all other models. The impact of outside factors like ridership and previous delay characteristics at the destination, and population, night after on the real-time PTPD models, additional information about the week, location, and climate is provided. analysed and discussed. This system is, To raised precision in predicting train arrival delay time is of great significance for improving airport transportation efficiency.In our process, I must. take the input as time series dataset. After that, I must. implement the machinelearning algorithms such as logistic regression and random forest. The experimental results shows implies exactness and error values for each algorithm. The system's predictive efficiency is high. and can track the trends of multiple delay indicators well.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

DETECTION OF PHISHING WEBSITES USING

MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DIANA JENNIFER .S

1RR21MC017

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager Ilacs Technologies Bengaluru-560078

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that DIANA JENNIFER .S bearing USN:1RR21MC017, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "DETECTION OF PHISHING WEBSITES USING MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Applications.

Internat Goide

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA. C.A. RROB Bengalury - 560074eering Rajarajeshwari angulore - 560 074. Bangulore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1..... 2.....

11.4 External Gine

Mrs. Vaibhaya Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Principal

Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074 COLLEGE OF ENGOTEERING Ramohalli Cross, Bengaluru-74

Signature with Date

......


Certification

This is to certify that Ms. Diana Jennifer. S (USN : 1RR21MC017) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Detection of phishing websites using machine learning"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)



64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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	#14, Ramohalli C Mysore Road, Bar	ross, Kumbalgodu ngalore - 560074
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	Diana Jennifers 1	(IRR21MC017)
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SH	ANLAX INTERNATIONAL JOURNAL OF	ARTS, SCIENCE AND HUMANITIES
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	Dr. N. Ayyanathan Editor in Chief	Er. S. Lakshmanan The Publisher

Those who want access to private information create unauthorised copies of official web pages and email addresses. The email will be built with actual company slogans and logos. These hackers are able to access each user's sensitive information, including financial accounts, unique login credentials, and photos, when they send links to users. The precision of the Random Forest and choice tree Equations are often used in current systems, must be improved. The currently used models have less delay. There isn't a defined user interface for existing systems. Alternative algorithms aren't in comparison to the present system. When opened, the offered emails or links take users to a phoney website that impersonates the real company. The models are employed to choose and apply the ideal machine learning model, as well as to detect fraud Urls based on URL a role factors. The strategies of artificial intelligence are used are XG Boost, Multinomial Naive Bayes , and graphical regression. The logistic regression procedure is compared to a method that performs better than the other two.

It is an ordinary technique used to deceive honest individuals into exposing the truth by using phoney websites. Hoax website addresses are designed to steal private information, such as user names, credentials, and information about online financial transactions. Phishers use sites that, both artistically and on a linguistic mirror those real websites. To prevent a rapid growth of phishing tactics on account of growing the internet, phishing protection measures must be used to recognise phishing. Data mining is a potent tool for tackling phishing attacks. Attackers often use phishing because it is easier to trick a victim onto clicking a harmful link that seems to be legitimate.



Project Report on

PREDICTION OF USED CAR PRICES USING ARTIFICIAL NEURAL NETWORKS AND MACHINE LEARNING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

FAISAL PASHA A

1RR21MC018

Under the Guidance of

Mr.Vaibhava Sindhu

Project Manager ILACS Technologies Bengaluru-560078

Mr. Dr. T Subburaj

HOD, Department of MCA RRCE,Bengaluru-560074



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#14 Ramohalli cross, Mysore road Kumbalgodu,Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2021-2022



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. FAISAL PASHA A bearing USN:1RR21MC018, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "PREDICTION OF USED CAR PRICES USING ARTIFICIAL NEURAL NETWORK AND MACHINE LEARNING" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

Internal Guide

Mr. Dr.T Subburaj HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj ROD-Department of MCA RRCE, Benjahru-560074

Ex al Guide

Mr. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Dr. R.BalaKrishna Principal of RRCE Bengaluru-560078 Principat

RAJARAJESWARI COLLEGE OF ENGINEERING Rameholii Cross, Dengaluru-7¢ Signature with Date

.......

EXTERNAL VIVA

Name of the Examiners

I.....

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Mr. Faisal Pasha A (USN: 1RR21MC018) Rajarajeswari College Of Engineering Bangalore

Ilacs Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

(Mohammed Ilyas)



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We hereby certify that

Faisal Pasha A (LRR 21MC018)

In recognition of the Publication of the Paper Entitled Price Part for Used SUS

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

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Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The globe is expanding daily, and with it, so are everyone's expectations. One of them is exiting to purchase a car out of all the expectations. Nevertheless, not each can provide to buy a new car every time, so they will get a used one. However, a new person is unaware of the applied automobile market pricing for his or her ideal vehicle. As the price of new cars increased due to higher technology expenses, the value argument of used cars grew stronger. Additionally, during the Covid-19 pandemic epidemic, the lack of public transportation and fear of infection force people to rely on their own means of transportation. However, the intensified pressure for manipulated cars led some car dealers to overcharge clients by putting their prices higher than usual. The need to develop a model that can forecast the charge of cast-off cars by attractive into interpretation the various characteristics and costs of other automobiles already on the market in the nation arises in command to aid consumers in understanding market trends and prices for used cars. Predicting used automobile prices is a intriguing but intriguing topic. It is tough to assessment a car's resale value. It goes without saying that a change of factors affect how much secondhand cars are worth. In command to forecast the worth of used cars based on various factors, we employed Decision Tree Regressor, a engine learning procedure, in this study. The resulting model contains more elements of used cars while also being more accurate in its predictions when competed to earlier studies.



Project Report on

Heart Disease Detection Using with Data Analytics and Machine Learning

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

GAGAN G R

1RR21MC019

Under the Guidance of Vaibhava Sindhu

Project Coordinator

BLITZ Technology.

Bangalore-560078

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. GAGAN G R bearing USN:1RR21MC019, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "Heart Disease Detection with Data Analytics and Machine Learning" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

RRCE, Bengalum-560024

A Sport

Head of the Department

Dr. T Subburaj

Department of M.C.A Department of M.C.A Rajarajestiwart Consultrus Bangalore - 566 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Valbhava Sindhu Project Coordinator BLITZ Tech. Bengaluru-560078

Dr. R. Balakrishna

Principal of RRCE RAJARAJESWARI COMPANIE COMPANIE RAJARAJESWARI COMPANIE COMPANIE RAJARAJESWARI COMPANIE C

Signature with Date



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Gagan G R</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC019) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Heart disease prediction using Machine learning.and data analytics

During the project work , He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591422924

Vol. 11 Special Janue 1 July 2023 E-198N: 2582 - 0397 P-166N: 2321 - 788X ΗΔΝΙΔΧ INTERNATIONAL JOURNALS A Prer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertificate OF PUBLICATION We hereby certify that Gagan G R (IRR21MC019) In recognition of the Publication of the Paper Entitled Heart Disease Detection with Data ralytics and Machine Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Agringer Dr. N. Ayyanathan Er. S. Lakshmanan The Publisher Editor in Chief

Recent developments within machine learning played a crucial part in the healthcare industry and amongst all the significant diseases, cardiovascular illness is among the significant and most critical diseases to predict. Exists a sharp rise in the amount of cases each day Observations prove it in every minute, 4 people between the age group of 30-50 get a stroke, so We employ machine learning techniques. to mitigate this problem. Kaggle used theutilised in this project was a dataset on heart disease. This paper demonstrates the application of several machine learning categorization techniques to predict heart disease such as Naive Bayes, Random Forest, SVM etc., and compares their accuracy scores. Later on, Stacking Ensemble Learning Technique boost our classification models' performance.

The WHO health organisation. estimates that 17.7 million people worldwide die suddenly each year due to cardiovascular conditions. The ability topeople to anticipate the complexity of their health at an early stage may assist them. system for forecasting cardiac disease. A doctor's examination or a number of medical tests, such as an ECG, Stress testing, heart MRI,etc., are the traditional techniques for heart disease prediction. Exists a vast quantity of hidden information in the already-available health care data. Having access to this secret knowledge facilitates making sensible selections. For valid results, advanced computer-based data Existing systems are good at correctly forecasting the outcome, but the complexity of health markers and additional data variables lay the groundwork for future systems. evolution of novel strategies.



Project Report on

Efficient Thyroid Disease Prediction using Features Selection and Meta- Classifiers

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHA.M

1RR21MC021

Under the Guidance of

Mrs. Vaibhava Sindhu PROJECT COORDINATOR Blitz Software LTD Bengaluru-560078

Dr T Subburaj

Associate Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Harsha M, bearing USN:1RR21MC021, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "Efficient Thyroid Disease Prediction using Features Selection and Meta-Classifiers" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

NOP **Internal Guide**

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Dr.T.Subburaj

Department of MCA,

Dr T Subburaj Associate Professor Department of MCA RRCE, Bengaluru-560074 12-07.2%

Head of the Department

RRCE, Bengaluru-560074

- 663 -

External Guide

Mrs.Vaibhava Sindhu Project Cordinator Blitz software ltd Bengaluru-78

Principal

Dr. Balakrishna R RAJARAJESWARI Principal of RRCELLEGE OF ENGINEER Bengaluru-560074 Ramohalli Cross, Dengahir

EXTERNAL VIVA

Name of the Examiner

1).....

2).....

Signature with Date

iii



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Ms. Harsha M</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC021) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Efficient Thyroid Disease Prediction using Features Selection and Meta- Classifiers

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFioor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@tiltztechnology.co.in Ph : 9591423924

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	RAJARAJESWARI COLLEGE OF ENGINEERING
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	We hereby certify that
	Harsha M (IRR21MCO21)
	Thyroid Disease Prediction with tenture
	Selection and Meta-classifiers
	Published in
	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
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	Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Thyroid illness, one of the most common medical diseases, can cause a variety of health problems. Thyroid dysfunction or problems affect 42 million Indians, according to recent studies. Thyroid problems, such as hypothyroidism or hyperthyroidism, are caused by thyroid hormone. TSH (Thyroid Stimulating Hormone), T3 (Triiodothyronine, T3-RIA), T4 (Thyroxine), and FTI (Free Thyroxine Index, FTI, T7) are thyroid trial mechanisms that are used to detect how thyroid hormone acts. Manually analysing these factors on vast databases to diagnose and forecast disease is time-consuming. A Decision Tree Classifierbased machine learning approach was utilized to develop a predictive model in the proposed system. According to the performance evaluation, the decision tree looks to generate superior results, with the greatest training accuracy of 100% and validation accuracy of 97%. Additionally, this findings may aid researchers in developing a solid model for identifying and categorizing hypothyroidism. Thyroid measurements, according to our findings, have a considerable effect on the clinical course of depression. Thyroid hormone testing should be pushed to standard clinical settings to detect which individuals require early or aggressive therapy to stop ongoing malfunction.



Project Report on

ELECTRICITY THEFT DETECTION IN SMART GRIDS BASED ON DEEP NEURAL NETWORKS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHAVARDHANA R

1RR21MC022

Under the Guidanceof

Mr. Raghavendra Guligare PROJECT COORDINATOR WebBlitz Softwares Bengaluru-560078

Dr. T Subburaj Associate Prof. and Head of the Department Department of MCA RRCE,Bengaluru-560074



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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. HARSHAVARDHANA R, bearing USN:1RR21MC022, student of 4^a semester MCA has satisfactorily completed the Projectwork-20MCA44 entitled " Electricity Theft Detection In Smart Grids Based On Deep Neural Networks " in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

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Internal Guide Dr. T Subburaj Associate Prof. and Head of the Department Department of MCA RRCE,Bengaluru-560074

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Head of Department Drat Subburaj H.O.D. Department of MGA37 RRCE, Besselurd 560074C A. RRCE, Besselurd 560074C A. SGC 074

Name of the Examiners

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External Guide Mr. Raghavendra Guligare Project Coordinator WebBlitz Softwares Bengaluru-560078

Principal_ Dr. Balakrishna.R, Principal of RRCE Bengaluru, 560074 Bengaluru, 560074

> COLLEGE OF ENGINEERING Camphalli Cross, Bengaluru-74

Signature with Date

EXTERNAL VIVA



Completion Certificate

This is to certify that Mr Harshavardhana R (USN: 1RR21MC022) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" Electricity theft detection in smart grids based on deep neural networks."

We wish him all the best and success in all future endeavours.

Regards,

Raghavendra Guligare





Power theft is a widespread issue has a detrimental impact on both power customers and power businesses. It impairs utilities firms capacity to grow economically, creates electromagnetic risks, and has an effect on consumers' high energy costs. The implementation of connected grids is crucial the certification of power theft because these systems create enormous amounts of data, including information on client use, which may be used in computer training and neural nets to identify electrical theft. This research offers techniques for detecting theft that usage bottomless neural nets to classify data using extensive characteristics in the temporal plus amplitude regions.

The rise of electronic grids, which provide regular rewards like increased energy efficiency, fewer power interruptions, and higher security, is a result of the rising need for energy. But single of major issues with smart grids is power theft, that's a major source of lost income for utility corporations. Therefore, unique the foremost concerns for organizations who distribute rechargeable power is electricity theft. This project's goal is to advance a real technique for detecting power theft in smart lattices that practices Reproduction Neural Grids (ANN). The suggested method would make use of data on power use that is taken from the well-known web resource kaggle. The preprocessed data will be used to feed the ANN, to train itself to recognize patterns and abnormalities in the data.

KEYWORDS: Electricity, Deep Neural Network, CNN, Artificial Neural Network.



Project Report on

RAPID BIRD SPECIES IDENTIFICATION USING AUDIO SIGNAL PROCESSING AND NEURAL NETWORK

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHITHA H N

1RR21MC023

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer BLITZ Technologies Bengaluru-560078

Mr. Dr. T SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



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2022-23



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mrs.HARSHITHA H N bearing USN:1RR21MC023, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "RAPID BIRD SPECIES IDENTIFICATION USING AUDIO SIGNAL PROCESSING AND NEURAL NETWORK" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

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Internal Guide Dr.T Subburaj Associate Professor HOD, Department of MCA RRCE, Bengaluru-560074

rnal Gu Saluada anda Embedded Software Developer

Embedded Software Developer BLITZ Technologies Bengaluru-560078

Principala Dr.Balakristina R COLLEGE-DAIBIERRIEERING Bamol Bimerlusy, Schuzzauru-7/

EXTERNAL VIVA

Name of the Examiners

HDD: Dementor of DICA ajarafeshikan College St Engineering

Head of the Department

Bangalore - 560 074.

Dr.T Sebburaj

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Signature with Date

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

ECHNOLOG

This is to certify that <u>Ms. Harshitha H N</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: IRR21MC025) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Rapid bird species identification using audio signal processing and neural network

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



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Certific	PUBLICATION
We hereby co	ertify that
Miss Harshitha	H.N
USN: IRB2IMCC	12.3
In recognition of the Publica Rapid bird species signal processing and	tion of the Paper Entitled Edentification using audio neural network
Publishe	d in
SHANLAX INTERNATIONAL JOURNAL O	FARTS, SCIENCE AND HUMANITIES
~ Argunation	-Auto.
Dr. N. Ayyanathan Editor in Chief	Er. S. Lakshmanan The Publisher

Because of several factors, including human influence, global warming, changes in the climate, forest fires or forest loss, etc., the bird species is changing dramatically nowadays. It is now feasible to monitor the bird population and their behaviour with the abet of automated bird species identification using artificial intelligence techniques. This study develops an automatic bird recognition system which requires no physical interaction because manually identifying various bird types takes a lot more time and effort. Convolutional neural networks are engaged to accomplish this goal as opposed to more conventional classifiers approximating SVM, Random Forest, and SMACPY. The keypoint is to determine the different bird species using a dataset that includes their various vocalizations.Preprocessing of the enter dataset will include building, silence elimination, rebuilding, and finally, a spectrum will be generated to serve as an input for a convolutional neural network, where CNN alterations, testing, and classification will then be performed. The output is created, the outcome is compared to pre-trained data, and birds are categorized based on their characteristics (size, color, species, etc.).It is now vital to monitor the consequences of human activity on the environment before it results in the environment suffering irreparable harm. Monitoring animal breeding behaviour, biodiversity, and population dynamics is lonetechnique to keep tabs on these consequences.



Project Report on

PLANT DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHMS

Submitted in partial fulfillment of the Requirements of the 4th Semester in MASTER OF COMPUTER APPLICATIONS

By

HARSHITHA P V

1RR21MC024

Under the Guidance of

Mrs. Vaibhava Sindhu Software Developer BLITZ TECHNOLOGY Bengaluru-560078

Dr. T Subburaj

Assoc. Prof, Department of MCA RRCE, Bengaluru-560074



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Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Miss. HARSHITHA P Vbearing USN:1RR21MC024, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "PLANT DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHMS" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Application.

Integrind Guide

Dr T Subburaj AssociateProfessor DepartmentofMCA RRCE,Bengaluru-560074

180000

Head of the Department Dr. T. Subburaj HOD, Department of MCA RRCE, Bengaluri 360074/neering Department College of College Statistics Sev 674-Bangalore - 560 674-

Vaibhava

Project Coordinator

BLITZTechnologies Bengaluru-560078

RH4 July 23

Principal Dr. Balakrishna. R Principal of RRCE Bengaluru-560078

EXTERNAL VIVA COLLEGE OF ENGINEERING Ramohall Cross, tiongeton, 37 Signature with Date

Name of the Examiners

2.....



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Certificate

Dear sir/Madam

This is to certify that <u>Ms. Harshitha P V</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC024) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- plant disease detection and classification using machine learning algorithms

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.biltztechnology.co.in / E-mail : hr@biltztechnology.co.in / info@biltztechnology.co.in Ph : 9591423924

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#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
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Mise Harshitha P.V
Plant Disease Defection and Classification
Uping Machine learning Algorithme
Published in ⁰
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agringen - Alio
Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Horticulture acknowledges a crucial role in the good of everyone's quick improvement and expanded interest in food in India. It is then anticipated that the collect yield will increase. One significant factor in the low gather yield is an illness caused by organic substances, pollution, and bacteria. One of the nearly everyone imperative and fundamental tasks in the area of development is the study of plant sickness. Using plant sickness identification procedures will often impede it. It takes a grouping of skill to physically detect, screen for, and treat plant illnesses. unpaid to the enormous amount of effort and the absurd amount of planning required, representation giving out is employed to diagnose plant diseases. Using AI estimate that obtain into story innovations like dataset construction, load photos, pre-getting ready, division, include extraction, preparation classifier, and characterization, plant sickness order should be conceivable. The chief purpose of this investigation is to fabricate a mock-up that classifies leaves into solid and unhealthy categories and forecasts plant illnesses. In this work, experts developed a model to recognize a few unique harvests and 26 illnesses from the public dataset, which includes 54,306 images of sound plant leaves and illnesses that were collected under controlled conditions. The ResNets calculation was the topic of this research. A unit of the false brain organization (ANN) is a remaining brain organization (ResNet). A leftover block from the ResNet calculation know how to be old too resolve the disappearing/exploding inclination issue. Making Leftover Organization also uses ResNet calculations. ResNets achieve a better product for the picture order.



Project Report on SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

JAI SHANKAR M

1RR21MC025

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Mrs. Deepa K R

Asst. Prof, Department of MCA RRCE, Bengaluru-560074



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#14 Ramohalli cross, Mysore Road Kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified

> Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. JAI SHANKAR M bearing USN:1RR21MC025, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Applications.

Guide

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengalura-560074

Head of the Department Dr. T. Subburaj MCA. HOD Benginpent of MCA- pineering Rajarajashara Bangarora 199020014.

enda

External Guide Mr. Sainadh Panda Embedded Software Developer ILACS Technologies Bengalura-560078

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EXTERNAL VIVA

Name of the Examiners

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Signature with Date



Certification

This is to certify that Mr. Jaishankar M (USN : 1RR21MC025) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "speech emotion feelings recognition biometric using machine learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)


Face authentication is now widely used, especially on mobile devices, rather than authentication using a personal identification number or an unlock pattern, due to its convenience. It has thus become a tempting target for attackers using a presentation attack. should be strong, Detecting Stress Using Wear ables They may be challenging to nsor because of this, and remember, and should be changed regularly to ensure security. Personal identification numbers and unlock patterns are more convenient than passwords, but the user is still required to remember them, and people nearby may be able to steal a peek at them. An even more convenient method is biometric authentication, which uses a biometric trait unique to the user, eliminating the need to remember anything. This article suggests employing public-key encryption along with keyword search to effectively reduce the computing workload of biometric identification systems while maintaining privacy. Fully homo morphic encryption is used for template protection to ensure the biometric data is protected over the long term. Since they are all lattice-based, applied cryptographic algorithms also provide post-quantum security. The system maintains the unprotected system's recognition accuracy throughout. The system determines if the person is authorised or not. If the user is authorised, they are able to examine the original data; otherwise, they are unable to do so. The system uses a random forest classifier to determine whether a person is authorised or not by utilising a machine learning algorithm.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on

"Deep Learning And sentiment analysis-Based Cryptocurrency Price Prediction

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATION

By JAVEED PASHA 1RR21MC026

Under the Guidance of Vaibhava Sindhu Project Coordinator ILACS Technologies J.P. Nagar, Bangalore 560010

Mrs.DEEPA K R

Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. JAVEED PASHA bearing USN:1RR21MC026, bearing students of 4th semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "Deep Learning And Sentiment Analysis-Based Cryptocurrency Price Prediction" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer

Applications.

ernal Guide

Mrs. Deepa K R

Associate prof Department of MCA RRCE, Bengaluru-560074 560078

Head of the Department

Dr. T Subburaj

Department of MCA Rajarajeshvint Conserve 074. Beng: Bangateso 7400 074. Lt

Ex ternal Guide Vaibhava Sindhu,

Project Coordinator ILACS Technologies J. P. Nagar, Bangalore -

Principal of RRCE

Berfgalbird 1560074 COLLEGE OF ENGINEERING Ramphail Cross, Centralium 70

EXTERNAL VIVA Ramohaili

Signature with Date

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Name of the Examiners

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In the last few years, use of social networking sites has increased tremendously. People use social media platforms to share their views on almost all subjects. These views are in various forms like, blogs, tweets, Facebook posts, online discussion boards, Instagram posts, etc. Sentiment analysis deals with the process of computationally defining and classifying the views expressed in the comment, post or document. Typically, the aim of sentiment analysis is to find out the customer's attitude towards a product or service. The proliferation of user-generated content on social media has made opinion mining an arduous job. As a microblogging platform, Twitter is being used to collect views about products, trends, and politics. The cryptocurrency market has been developed at an unprecedented speed over the past few years. Cryptocurrency works similar to standard currency, however, virtual payments are made for goods and services without the intervention of any central authority. Although cryptocurrency ensures legitimate and unique transactions by utilizing cryptographic methods, this industry is still in its inception and serious concerns have been raised about its use. Analysis of the sentiments about cryptocurrency is highly desirable to provide a holistic view of peoples' perceptions. In this regard, this study performs both sentiment analysis and emotion detection using the tweets related to the cryptocurrency which are widely used for predicting the market prices of cryptocurrency.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Smart contract-based agriculture food supply."

By

JAYASHREE P NIROLLI USN: 1RR21MC027

Under the Guidance of

Mr. Vaibhava Sindhu IlacsTechnologies, Project Manager Bengaluru-560104

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore Road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] JAYASHREE P NIORLII bearing USN:1RR21MC027, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Smart contract-based agriculture food supply" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

GUIDE

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074

HOD

Dr. T. Subburaj Department of MCA, RRCE, Bengaluru-560074

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EXTERNAL GUIDE

Mr. Vaibhava Sindhu HacsTechnologies Project Manager Bengaluru-560104

Dr. R Balakrishna Principal of RRCE, Bengaluru-560074

RAJARAJESWARI COLLEGE OF ENGINEERING Tamohalli Cross, Bringenero 27

External Viva

Name of the Examiners

1.....

2.....

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Signature with Date



Certification

This is to certify that Ms. Jayashree p nirolli (USN : 1RR21MC027) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Smart contract based agriculture food supply."

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

July 2023 Special Issue 1 Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582-0397 HANLAX INTERNATIONAL JOURNALS additor (Datasales a loar A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS **RAJARAJESWARI** COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Norolle (IRP2IMCO27 ayashue In recognition of the Publication of the Paper Entitled Smart Agreculture 1000 Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES no Argent Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

The complexity of a store network makes it extremely challenging to follow item wellbeing or quality worries, especially in the key farming food supply chains of individuals' everyday feasts. Numerous fundamental issues plague existing Farm alimentary networks have challenges such as data distrust amongst users and the centralised system, hard to interact as a effect of long supply chain periods, and various actors. This blockchain invention exposition successfully addresses the difficulty spot concern that occurred in the agricultural food store network identification architecture. This article describes a structure that utilises consortium and intelligent agreements for tracking and tracing the processes of farming food chains, implementing tracking and sharing across supply chains, and breaking down details as broadly as feasible in companies to remove the demand for central agencies and organisations whilst expanding purchases capture honesty and reliability, and security. as well as safety. Growers capture climatic and agrarian data on development in the Inter-Planetary File System (IPFS) and record file IPFS passwords in smart contract forms at the sametime, whichot only increases data security but also mitigates the bitcoin space inflation concern. This framework was utilised by ShanweiLvfengyuan Contemporary Agricultural Investment Co., Ltd. Despite a amount of limitations, the design has successfully incorporated elements such as separation and tracking for farming products via QR codes. As a outcome, the technique presented in thispaper is critical for organisations wishing to ensure the security and quality of products accountability.

Keywords: Blockchain technology, Supply chain management, Traceability, Transparency, Efficiency.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Fraud Detection on bank payment using Machine learning."

By JYOTI A DESAI USN: 1RR21MC028

Under the Guidance of

Mr. SAINADH PANDA,

CBNL, Project Coordinator Bengaluru-560104

MRS. PRIYANKA V GUDADA

Assistant Professor Department of MCA RRCE, Bengaluru-560074



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore Road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr/Ms.] JYOTI A DESAI bearing USN:1RR21MC028, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Fraud Detection on bank payment using Machine learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications

INTERNAL GUIDE

Mrs. PRIYANKA V GUDADA Assistant Professor Department of MCA RRCE, Bengaluru-560074

HOD Dr. T. Subburaj Department of MCA, RRCE, Brugabyru-S60074

Department of M.C.A. Sjarajestiwari College of Engineering Bangatore - 500 074.



EXTERNAL GUIDE

Mr. SAINADH PANDA, CBNL, Project Coordinator Bengaluru-560104

K+KK 14/7/23 PRINCIPAL

Dr. R Balakrishna Principal of RRCE, Bengahuru-560074

Principat RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengalura 24

External Viva

Signature with Date

Name of the Examiners

1.....

2.....



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com Ph : 9943994481 Vol. 11 Special Issue 1 July 2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate OF PUBLICATION

We hereby certify that

Jyoli. A. Desal (IRROIMCO28)

In recognition of the Publication of the Paper Entitled Fraud detection on bank payments

using Machine Learning Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

in Auguritan Dr. N. Ayyanathan

Editor in Chief

Er. S. Lakshmanan The Publisher

This article discusses fraud detection and strategies to fully automate it. It has become has become into a 23 necessity for everyone bank to detect fraud. Fraud is becoming increasingly prevalent, which finishes in many damages for the banks. Transactions create unique challenges for fraud exposure due to a scarcity of short-term processing. The foremost task is a feasibility study of chosen fraud detection methods. With the aid of models, these transactions are to be tested individually and further proceeded. We first define a detection task: attributes of the dataset, the metric choice, and any techniques to control such unbalanced datasets. This leads for the reason why underlying pattern generating the dataset results: For example, cardholders may improve their purchasing habits over periods, and fraudsters may change their tactics. Later, we highlighted several methods used to obtain the sequential features of credit card relations.

The practice of obtaining financial gains by dishonest and unlawful means it is known as financial fraud. Financial fraud, which is definite as the usage of dishonest methods to obtain financial gains, has recently grownup to be a severe threat to businesses and organizations. Despite several initiatives to curtail financial scam, it continues to negatively impact society and the economy since daily losses from fraud amount to significant sums of money. Several approaches for noticing fraud were originally made available several years ago. The common of old procedures are manual, which is not only timeconsuming, expensive, and inaccurate, but also unworkable. More research is being conducted, however they are ineffective at reducing losses brought on by fraud. Standard techniques for identifying these fraudulent activities, like human verifications and inspections, are inaccurate, expensive, and timeconsuming.

Keywords: Fraud detection, Machine learning, Bank payment, Fraud prevention, Risk management, Transaction monitoring, Anomaly detection, Pattern recognition.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"PNEUMONIA DETECTION USING DEEP LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

BY

LIKHITHA K B

1RR21MC029

Under the Guidance of

Mrs. Vaibhava Sindhu Project Coordinator BLITZ Technology. Bangalore-560078

Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. Likhitha K B bearing USN:1RR21MC029, student of 4th semester MCA has satisfactorily complete the **Project work – 20MCA44** entitled "PNEUMONIA DETECTION USING DEEP LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj Department of MCA RRCE Bengalurut Scoo74 Defailed College of Engineering cajarajoshwari College of Engineering Bangalore - 560 074.



External Guide Vaibhava Sindhu Project Coordinator BLITZ Tech. Bengaluru-560078

Principal Dr. R. Balakrishna Principal of RRCE Bengaluru - 560074 Frincipal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

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Signature with Date

EXTERNAL VIVA

Name of the Examiners

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Certificate

Dear sir/Madam

BLTTZ

This is to certify that <u>Ms. Likhitha K B</u> from "Rajarajeswari college of engineering", Bangalore with (USN: 1RR21MC029) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Pneumonia detection using Deep learning.

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.biltztechnology.co.in / E-mail : hr@biltztechnology.co.in / info@biltztechnology.co.in Ph : 9501423924 <text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

OF PUBLICATION

We hereby certify that

Lithitha .K.B

In recognition of the Publication of the Paper Entitled Preumonia Detection Using Deep Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES N HAT

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

Pneumonitis is a fatal disease and this harms human respiratory system. It makes the air sacs of lungs inflammatory. It can happen due to viral or bacterial infections. It creates difficulty in breathing and causes pain. It can be severe and fatal if not treated at the earliest. So, the detection of pneumonia is needed as soon as possible. Hence Making an is the initiative's primary goal. self-learning model whose training is done on multiple digital X-rays of chest to detect the pneumonia patients. This can help in the quick diagnosis of disease and give the treatment at the earliest. The model is trained on the ResNet and finetuned to give a good accuracy and prediction. The fine-tuned model can accurately classify the disease at 91% of accuracy.

Pneumonia is a severe and a widespread virus that kills millions of people year. It is a important factor to death, claiming over four million lives annually. Early detection of pneumonia is critical for prompt and useful health service significantly enhances patient outcomes. Unfortunately, accurately diagnosing pneumonia can be challenging, especially in resource limited settings where access to trained medical professionals is limited. Long-term learning is currently capable of a potent technique for analysing medical pictures in the past decade. It offers the potential to significantly increase pneumonia detection's precision and effectiveness, perhaps potentially preventing fatalties. Large volumes of knowledge can be analysed by systems that employ deep learning quickly and accurately, allowing medical professionals to make more informed decisions.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "A CARDLESS TRANSACTION USING BIOMETRIC

TRIATS FOR AUTHENTICATION"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MADHUKUMAR AP

1RR21MC031

Under the Guidance of

SURESH M P

Project Manager Dream Buzz solutions Mysore -570017

Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore Road Kumbalgodu, Bengahuru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. MADHUKUMAR A P bearing USN:1RR21MC031, student of 4"semester MCA has satisfactorily completed the Project work-20MCA44 entitled " A Cardless Transaction Using Biometric Triates For Authentication " in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Applications.

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Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengahuro-\$60074

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Head of the Department Dr. T. Subburaj HOD, Department of MCA RRCE Bartine D. 19974 A Rajarajeshvisin College of Engineering Bangatore - 560 614.

Name of the Examiners.

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LADAR DULL SOLUTION SUMMENT

External Guide Mr. Suresh M P Project Coordinator Dream Burz Solutions Mysuru - \$70017

Principal

Dr. Balakrishna R Principal of RRCT Bengalura-560078

BADAUSTERSON COLLEGE OF STREET, STR EXTERNAL VIVA

Samphohi Gross, Rongeland Signature with Dute





Traditional Automated Teller Machine (ATM) systems have long relied on physical cards as the primary means of user identification and authentication. While effective to some extent, this method poses certain security risks such as card theft, unauthorized access, and inconvenience in case of card loss. To address these concerns there is growing enthusiasm for developing card-less ATM systems that utilize approaches for biometric identification such as Face and fingerprint recognition, to enhance security and convenience.

Biometric identification offers a promising solution by leveraging unique physical and behavioural characteristics of individuals. Face and fingerprint recognition are among the most used biometric methods because of their distinctiveness and simplicity capture. These techniques rely on sophisticated algorithms an deep learning how to model accurately analyse and match biometric data, enabling reliable user authentication.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MAHADEV PRASAD H S

1RR21MC032

Under the Guidance of

Mr. Raghavendra Guligare Project Manager

Webblitz Softwares Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Mr. Mahadev Prasad H S bearing USN:1RR21MC032, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

EXTERNAL VIVA

16.02 Internal Guide

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Abras

Head of the Department

Dr. T Subburaj

Department of MCA Benjarty and of M.C.A. Bangalurun Scillion of M.C.A. Bangalurun Scillion of M.C.A. Bangalurun - 500 074.

External Guide

Mr. Raghavendra Guligare Project Manager Web blitz Software Bengaluru-560010

Principal

Dr. R. Bałakrishna Principal of RRCE Bengaluru - 560074

RAIARAIESISANI COLLECE OF ENGINEERING Ramohalli Create, Benguarae24

Signature with date

Name of the Examiners

2.....

1.....



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr. Mahadev prasad HS (USN: 1RR21MC032) from "RajaRajeswari College of Engineering"Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title :* DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING.*

We wish him all the best and success in all future endeavours.

Regards,



Raghavendra Guligare

2536. fat Floor, MKK Road, Near Kurempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in infu@webblitz.co.in Ph : 7405854253

Vol. 11 Special Issue 1 July 2023 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 HANLAX INTERNATIONAL JOURNALS editor Desarias Journals A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS **RAJARAJESWARI** COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 Certificate OF PUBLICATION We hereby certify that Mahader Prasad HS (IRR21MC032) In recognition of the Publication of the Paper Entitled Deep Learning Really Create an Impact Traffic Forecasting Vehicle in Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Angon Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Today's cities must deal with the issue of sustainable transportation, and anticipating traffic conditions is crucial to reducing traffic congestion. For instance, in navigation and route planning applications, forecasting path travel time is a key problem. Additionally, the widespread adoption of information and communication technology makes vehicle data a crucial source of real-time information for applications involving intelligent transportation systems. Data about traffic congestion and the difficulty of forecasting it are accessible. The capabilities of neural network methodologies are illustrated through a comparison of deep learning techniques.LSTM (Long Short Term Memory) in resolving the issue of traffic forecasting. Various tests are suggested to not only assess the developed Machine learning (Linear regressionmodels, but also to examine the extent to which traffic forecasting result reduce the loss value.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "A RESPONSIVE WEB VIEWAPPLICATION FOR ORPHANAGE

CONNECTING AND ADOPTION"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MALLIKARJUN BASAVARAJ YANKANCHI 1RR21MC033

Under the Guidance of

SURESH M P

Project Manager Dream Buzz solutions Mysore -570017

Mr.Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA RajaRajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2021-2022



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr.MALLIKARJUN BASAVARAJ YANKANCHI bearing USN:1RR21MC033, bearing students of 4th semester MCA has satisfactorily completed the Project work 20MCA44 entitled "A Responsive web view application for orphanage connecting and adoption" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mr.Shreedhar Maruti Kumbhar

Assistant professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MCA: A. Dopart Bangalum - 560074¹⁹ Bangaloro - 500 074.

Name of the Examiners

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2.....

For DREAM BLIZZ SOLUTIONS ONHM ACT SIRBORN

External Guide Mr.Suresh M P

Project Coordinator Cbnl Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishna Principal Principal of RRCERAJARAJESWARI RRCE, BengautiGESaberaGINEERING Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Signature with Date



PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. MALLIKARJUN BASAVARAJ YANKANCHI (Reg No: 1RR21MC033), a bonafide student of RAJARAJESWARI COLLEGE OF ENGINEERING was appointed as project intern to work on the project entitled as "A RESPONSIVE WEB VIEW APPLICATION FOR ORPHANAGE CONNECTING AND ADOPTION" for our

organization during April 1st 2023 to July 31st 2023, and has successfully completed thesystem analysis/coding/testing and implementation for this project.

During his/her tenure we have found him/her to be committed and punctual up to the industrialstandards. We wish him/her all success in their future endeavors.

Warm regards,

Suresh M P Head of the company

+91 88846 44589 Dreambuzz.in info@dreambuzz.in Vijayanagar 2nd Stage

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate

We hereby certify that

Mr. Mall Hearjun Basavaoraj yankanchi

(IRRDIMC033)

In recognition of the Publication of the Paper Entitled A gresponsere web vsew applecation for onphanage connecting and adoption

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

~ Agrinding

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The motivation behind this task is to address the basic requirement for a unified stage that interfaces shelters with planned new parents. By utilizing the force of innovation, our web view application means to overcome any barrier between shelters lodging kids needing cherishing homes and people or families looking to embrace. The objectives of our web view application are twofold: to give halfway houses a stage to feature profiles and data about the kids accessible for reception, and to enable expected new parents to look, associate, and start the reception cycle in an easy to use and effective way. Through this application, we endeavour to smooth out the reception interaction, diminish obstructions, and establish a protected and strong climate for the two halfway houses and new parents. By utilizing the force of web innovations, we expect to make a stage that works with associations as well as encourages straightforwardness, trust, and ideal correspondence.
VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Explainable Symptom-Based Artificial A template for thinking for leukaemia Detection

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MANOJ S

1RR21MC034

Under the Guidance of

Mr. SAINADH PANDA Project Coordinator Clout Business Network limited Bengaluru-560078

Dr. T SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



RAJARAJES WARICOLLEGE OF ENGINEERING

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> Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. MANOJ S bearing USN:1RR21MC034, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Explainable Symptom-Based Artificial A template for thinking for leukemia detection" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor, Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj Department MMCD. RRCTo Bangalura-560%74C.A. Rajarajeshwari Concept of Engineering Bangalore - 560 074.

Stuchpoola

External Guide Mr. Sainadhpanda Project Coordinator Clout Business Network limited Bengaluru-560078

Principatipal DR/Balakrishna, R COPPSIDD PIBRON ERING Bengaluru-560078 Ramolian Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

I..... 2

Signature with Date



Project Completion Certificate

Dear sir/madam

CBN

This is to certify that Mr. Manoj S (USN: 1RR21MC034)from-Raja Rajeswari College of Engineering ", Bangalore, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" Explainable Symptom - Based Artificial A template for thinking for Leukemia Detection"

Regards,

Sainadh Panda



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 568010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com 1h : 9945994481

July 2023 Vol. 11 Special Issue 1 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 INTERNATIONAL JOURNALS editor@chanlasjoursels.com | www.shanlasjournels.com A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Manoj S (1RR21H (034) In recognition of the Publication of the Paper Entitled Explainable Symptem Based Artificial-A mplate for thinking for Leukaenia Detection Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES N MA Dr. N. Ayyanathan Er, S. Lakshmanan Editor in Chief The Publisher

Along with to being fatal by nature, leukaemia is also very costly to treat. But early aemia discovery can save both lives and funds to those affected, particularly kids, for whom leukaemia is a common cancer type. The clarified trained machine learning model we offer in this research reliably identifies the risk of early-stage cancer using just symptoms. We additionally employ two machine learning methods, naive bayes decoder and geometric support machine, to show the power of each features on the dataset and enhance the outcomes of classifying models. Several ML models are trained on some of the data input and then tested on the related subset of data.

This procedure is called cross-validation in Cross-validation can accustomed to spot overfitting. The reliability, accuracy, recall, and the F-value were all highest for the based on results SVM method.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018, Karnataka, India



Project Report on

AIR QUALITY PREDICTION BASED ON MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MEGHANA R

1RR21MC035

Under the Guidance of Mr. Sainadh Panda

Project Coordinator

CBNL tech.

Bangalore-560078

Mr. Shreedhar Maruti Kambhar

Assistant Professor

Department of MCA

RRCE, Bangaluru-560074



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2022-2023

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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. Meghana R bearing USN: IRR21MC035, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "AIR QUALITY PREDICTION BASED ON MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

EXTERNAL VIVA

Internal Guide Mr. Shreedhar Maruti Kambhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

10mm

Head of the Department Dr. T Subburaj Department of MCA RRCE, Bengaluru - 5699749 Jangalore - 550 574. Bangalore - 550 574. External Guide

Mr. Sainadhpanda Project Coordinator CBNL tech. Bengaluru-560078

Principal

Dr. R. Balakrishna Principal of RRCE Bengalura 550074 BAMARAJESWARI COLLEGE OF ENGINEERING Ramohalli Crass, Bengalura-77

Signature with Date

Name of the Examiners

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Vol. 11 **Special Issue 1 July 2023** E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X NLAX INTERNATIONAL JOURNALS retur Bas A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Meghana R(IRR 21MC035) In recognition of the Publication of the Paper Entitled Machine Learning for Air Quality Prediction Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ he Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Given the rapid industrialization that has occurred in recent years, initiatives to safeguard the environment cannot be successfully ensured. Worryingly serious environmental difficulties that have over time grown to be the main issue harming the quality of life in the country. Therefore, in order to comprehend the potential air pollution process beforehand, we need to construct a reasonably good air quality prediction model. Conferring to the model's projected findings, it is crucial to set up and implement the appropriate controls to lessen smog. This learning makes wideus age of data mining techniques including smart optimisation algorithms, neural networks, and mutual data theory. As a training set and test set, we employ the fundamental information from open measuring locations that predicts long-term air quality. First, the association between all the monitored toxins is examined using the SOM neural network model for unsupervised grouping of pertinent pollutant data.

In many industrial and urban regions today, assessing the air quality has developed one among the most significantactions for the residents. The many types of pollution brought on by the use of power, transportation, fuel, etc. have a detrimental influence on the air quality. The accumulation of dangerous gases is seriously affecting the superiority of life in smart cities. We must implement effective air quality monitoring and prediction models that gather data on pollutant concentrations and provide assessments of local air pollution in command to covenant with the rising levels of air pollution. Particulate matter is composed of microscopic solid or liquid droplets that are so minute that breathing them in can have serious consequences on one's health. As a result, assessing and forecasting air quality has grown in significance. We will discuss the Random Forest Technique in this suggested system as a means of predicting and measuring pollution in large cities.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"MEDICAL GPT USING DEEP LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MONIKA R

USN: 1RR21MC036

Under the Guidance of DR. S. USHA Dean R& D, RRCE Bengaluru-560074

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of Master of Computer Applications RajaRajeswari college of engineering, Bengaluru



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] MONIKA R bearing USN:1RR21MC036, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Medical GPT Using Deep Learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide

Mr. Shreedhar K Assc. Professor Department of MCA RRCE, Bengaluru-560074

HoD

1 pm Dr. T. Subburaj Department of MCA RRCE, Bengaluru-560074

Department of M.C.A. Bajarajeshwari College of Engineer 9 Bangalore - 560 074.



External Guide Dr. S. Usha

diox

Dean R& D, RRCE Bengaluru-560074

Principal Provision

Dr. R Balakrishna **Principal of RRCE** Bengalury,560074

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners

1.....

2.....

Signature with Date

......



RajaRajeswari College of Engineering



Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliate to Yisvervaraya Technological University, Belagavi J #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Ms. Monika R [USN NO. 1RR21MC036] M.C.A. Final year student has done project work on "Medical GPT Using Deep Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

D. Or. Let With Regards

Dr. S Usha Dean R&D, RRCE, Bengaluru

RAJARAJESWARI COLLEGE OF ENGRIELING BENGALURU - 560 074,

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Benzalutu - 550074



<u>www.rrce.org</u> admission@rrce.org Ph.No:9008845678



It is necessary to have good health to live a happy life. However, obtaining a doctor's consultation for any health issue is quite complex. Here the concept is to use the Artificial Intelligence to construct a medical chatbot or a medicalGPT that can detect the illness and provide the basic information about them before consulting a doctor. The increasing demands and complexities in the healthcare industry have sparked the development and implementation of innovative solutions to provide the facility for the patient care. One such solution is the utilization of healthcare chatbots or MedicalGPT, which influence the artificial intelligence and natural language processing techniques to connect with patients and provide them with personalized and effective healthcare services. By enabling automated conversations and providing the real-time responses, chatbots have the potential to streamline the healthcare process, alleviate the burden on healthcare professionals and improve patient satisfaction. Some of the applications of healthcare chatbots across different domains include symptom assessment and triage, medication reminders and adherence support, mental health counseling, health monitoring and feedback, appointment scheduling, and general health education.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "MorseSpectraNet : A Concordant Synapse Morse Recognition and Detection Network by Deep Learning"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By NIRANJAN R

1RR21MC037

Under the Guidance of

Dr. S. Usha

Dean R & D

Department of CSE

RRCE, Bengaluru-560074

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA

Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to certify that Mr. NIRANJAN R bearing USN: 1RR21MC037, student of 4th Semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "MorseSpectraNet: A Concordant Synapse Morse Recognition And Detection Network By Deep Learning" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

4.92

Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

DP:TSubburáj^{M.C.A.} Rajarajethouring Department of MCA

RRCE, Bengaluru - 560074

External Guide Dr. S. Usha Deage R. K. Research & Innovation Department of CSE Head Dept of Computer Science & Engineering RRGE: Bengaluna 560074 neering

Principa

Dr. R. Balakrishna Principal Principal of BRASESWARI RRCEOBEIgaRine SOORFANG Ramohalli Cross, Bengaluru-74

Signature with Date

..............................

EXTERNAL VIVA

Name of the Examiners

1.....

2.....



CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Mr. NIRANJAN.R [USN NO 1RR21MC037] MCA. Final year student has done project work on "MorseSpectraNet : A Concordant

Synapse Morse Recognition And Detection Network By Deep Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering,

Bengaluru towards the fulfilment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

With Regards

Dean R&D,

RRCE, Bengaluru. Dr. S. USHA DEAN - Research & Innovation Professor & Head Dept of Computer Americe & Engineering Rajarajeswari College of Engineering

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Ben⊋aluru - 550074



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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertificate

We hereby certify that

Niranjan . R (IRR2INCO37)

In recognition of the Publication of the Paper Entitled <u>Morse Spactra net: A Concordant Synaple Mosse</u> <u>Recognition and Detection Network by Deepharning</u> Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

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Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The use of short-wave radio is crucial long-distance communication medium, and Morse's signals, which prioritize clarity and effectiveness, are used in both armed forces and civilians purposes. Despite years of study, many severe challenges in real communication have always limited the performances of systems for automatic Morse detectioning and identification. Using deep learning, we present MorseSpectraNet, a network that can detect as well as spectrogram Morse symbol decoding. The identification and detection modules of MorseSpectraNet may collaborate to extract relevant data using shared convolutions. For identification, Morse codewords obtained from feature plans are served into a Convolutional Re-current Neural Network (CRNN), whilst signal centrelines are utilised to regress bounding boxes for detection. To complete the training, the training loss of two distinct limbs are pooled. Experimental findings on four "simulated Morse + actual background" datasets show stateofthe-art detection and identification performance, demonstrating the suggested method's usefulness in overcoming four difficulties that has long prevented its implementation. MorseSpectraNet's integrated training approach and architecture outperforms in terms of accuracy, speed, and model size, its two-stage deployment.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

PRIVACY –PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING.

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

NISARGA B

1RR21MC038

Under the Guidance of

Mrs. Ajitha Embedded Software Developer Blitz Technology Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-202

#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Nisarga B, bearing USN:1RR21MC038, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "PRIVACY -PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer

Applications.

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Internal Guide Mr.Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE,Bengaluru-560074

< mmb

Head of Department Dr. T.Subburaj Department DFMCA, RRCE, Bengalum, 560074 Rajarajesnivari Contege of Engineering Bangalore - 560 074.

External Guide Mrs Ajitha Project Coordinator Blitz Technologies Bengaluru-560078

- Principal Dr.Balakrishna.R, Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

EXTERNAL VIVA

Name of the Examiners

1).....

2).....

Signature with Date



Certificate

Dear sir/Madam

CHNOLOG

This is to certify that <u>Ms. Nisarga B</u> from "Rajarajeshwari college of engineering", Bangalore with (USN: 1RR21MC038) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591423924

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
RAJARAJESWARI COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
Certificate
We hereby certify that
Nisarga B(IRR21MC038)
In recognition of the Publication of the Paper Entitled Big Data Privacy - Preserving Data Encryption
Strategy in Mobile Cloud Computing
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agrindan Ref.
Dr. N. Ayyanathan Er S Lakehmanan
Editor in Chief The Publisher

Privacy maintaining the encryption of data method is the process of encrypting dataset on big data in mobile computing. It selectively encrypts the grouping of it and its use for confidentiality under time limitations. Dynamic data selection and encrypting data required execution time. We use (D2ES)Algorithms for variable encryption of information for security of privacy. Many modern programmes forego data encryptions in order to balance security issues and a proper performance level. In this we are identifying the path when the record is transfer to the node. While transforming the file will be compressed and it sends to the receiver node. When receiving process file will be decrypted and merged and finally that will be outlet in the cloud server storage. We propose By applying necessary time to execute needs, safeguarding confidentiality is made possible.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

CROP CARE SUITE USING MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

NISCHITHA A P

1RR21MC039

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&I RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023

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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms.NISCHITHA A P bearing USN:1RR21MC039, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "CROP CARE SUIT USING MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

ENAM

Internal Guide

Shreedhar Maruti Kumbhar Assistance professor

Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MCAC A Department of MCAC A is engineering ajRUCE: Bengalury, 560074

EXTERNAL VIVA

Name of the Examiners

1.....

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External Guide Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Principa Dr. R. Balakrishna

Contraction of the second

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7*

Signature with Date

.....



RajaRajeswari College of Engineering



#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Ms. NISCHITHA A P [USN : IRR21MC039], a student of RajaRajeswari College of Engineering, has successfully completed the "CROP CARE SUITE USING MACHINE LEARNING" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

p. any ..

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Protestor & Head. Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BEINGALURU - 560 074.

July 2023 Special Issue 1 Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 HANLAX INTERNATIONAL JOURNALS editor@shanlas)ournats.co A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertificate OF PUBLICATION We hereby certify that Nischitha A P (1RR214(039) In recognition of the Publication of the Paper Entitled Crop Care Suite Using Machine Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ An Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Crop Care Suite is an advanced agricultural solution itjointlystrength of machine learning, the Flask framework, and specialized modules for crop recommendation, fertilizer suggestion, and plant disease detection. This comprehensive system analyzes crucial factors such as soil type, weather conditions, historical data, crop selection, soil composition, nutrient requirements, and image processing to provide farmers with accurate and personalized insights. By leveraging state-of-the-art ML algorithms, picturerunningmethods, and the versatility of the Flask framework, Crop Care Suite aims to revolutionize traditional farming practices. The primary objective of Crop Care Suite is to optimize crop productivity and reduce yield losses through intelligent decision-making. By considering factors like soil type and composition, the system generates precise recommendations for suitable crops and optimal fertilizer application. This data-driven approach ensures that farmers make informed choices and maximize their harvests while minimizing resource waste. Important characteristic of Crop Care Suite is its plant illness detection module. By analyzing images of plants, the system can identify changes of diseases and provide timely alerts to farmers. This early detection enables proactive measures to be taken, avoiding the flow of diseases and minimizing crop damage. Through accurate disease diagnosis and targeted treatment recommendations, Crop Care Suite helps farmers maintain the health and vitality of their crops. The implementation of Crop Care Suite is facilitated by the Flask framework, which provides a robust and flexible foundation for building web applications. Flask allows for seamless integration of various components, enabling the smooth operation of the crop recommendation, fertilizer suggestion, and disease detection modules. Its lightweight nature and extensive documentation make Flask an ideal choice for developing user-friendly interfaces and efficient data processing pipelines. Crop Care Suite is a groundbreaking agricultural solution that harnesses the power of machine learning, the Flask framework, and advanced modules for crop recommendation, fertilizer suggestion, By considering crucial factors and providing personalized insights, this system empowers farmers to optimize their farming practices, increase crop productivity, and mitigate yield losses.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on A Data Analytical Approach To The Cybercrime Underground TO Economy

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Nischitha M

1RR21MC040

Under the Guidance of

Ms.Kasthuri

Software developer

Techciti software pvt.ltd-Bangalore

Mr.shreedhar Maruthi Kumbhar

Assistant Professor Department of MCA RRCE,Bengaluru-560074



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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Nischitha M bearing USN:1RR21MC040, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "A Data Analytical Approach To The Cybercrime Underground to Economy" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Mr.Shreedhar Maruthi Kumbhar

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj FLOD Department of MCAC.A.

Bangatore - 560 074.

EXTERNAL VIVA



External Guide Miss.Kausthri

Project Manager Techciti Software Pvt.ltd Bengaluru-560104



Principal of RRCE Bengaluny 560074 COLLEGE OF ENGINEERING Samoballi Cross, Bengalury 74

Signature with Date

Name of the Examiners

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TechCiti Software Consulting Private Limited D-U-N-S No. : 86 14 54180

CIN: U72900KA2018PTC117376

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 0804162 8482 Email : info@techcitisoftware.in Website: www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT 5261 Date: 13th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Nischitha M (USN: 1RR21MC040) pursuing MCA from Rajarajeshwari College of Engineering, Bangalore has successfully completed her project with our company, she has been working on the project title: "A Data Analytical approach to the Cybercrime Underground to Economy" under the domain: Machine Learning with Python from April, 2023 to July, 2023.

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely,



Manager Human Resources Department TechCiti Software Consulting Private Limited

> Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7th Phase, Bengalura, Karnataka 560078. Landline: 080 4162 8482 Email: info@techcitisoftware.in Web: www.techcitisoftware.in



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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertiki OF PUBLICATION

We hereby certify that

Nishitha M(IRR21MC040)

In recognition of the Publication of the Paper Entitled <u>A Oata Analytics Approach to the</u> Cybercrime Underground Economy

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agming

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

As we know the largest trouble done by cyber-attacks (e.g., Malware, Denial-of- service, phishing, inside Threats) and cyber-crimes done day-to-day in some particular Institutions, the government sector, and some organizations struggled, with the cybercrime done by some of the new organizations through cyber-attackers. they operate dark websites markets and ethical hacking attacks successfully.Cybercrime huge network troubles are arises of highly recommended network-based (e.g., Malware, phishing, Caas) cuber-crimes most of done in some business models.Some research is growing for unauthorized to access Information and guide information to the practical situation of cyber security and they improve implement applications.

Underground Economy chance to lose money and secrete banking information and financial information they attack. Might know that underground criminal business model crime-as-a-service (Caas) we have chance losses financial and banking information. Some of the group of hacking community the can be understand of the large set information and they develop the strategy and implement design and algorithm. Furthermore, it provide the practical information and how the government and organization its takes a action against cybercrime. for example in 2017 Wanna Cry 100 country for nearly 45000 attacks against the cybercrime.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY

Submitted in partial fulfilment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

PRASAD H R

1RR21MC041

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&I RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA

RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr.PRASAD H R bearing USN:1RR21MC041, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

Shreedbar Maruti Kumbhar Assistance professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MCAt C.A. Depart of MCAt C.A. BECE: Beingalunisa560074

EXTERNAL VIVA

Name of the Examiners

1..... 2..... Low External Guide Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Principa

Dr. R. Balakrishna

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARJ COLLEGE OF ENGINEERING Ramohalli Crass, Bengaluru-7/ Signature with Date



RajaRajeswari College of Engineering



(Approved by AICTE, New Delht, Gave, of Ramataka, Allifered to Viveervaryay Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Mr. PRASAD H R [USN : IRR2IMC041], a student of RajaRajeswari College of Engineering, has successfully completed the "BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated his knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENIGALURU - 560 074,

	Vol. 11 Specia	al Issue 1 July 2023
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	#14, Ramohaui Cr Mysore Road, Ban	galore - 560074
	Certifice	ate
	We hereby cert	ify that
	Prasad H R 4	RR21MC041)
	In recognition of the Publication Bug Tracking for Im	on of the Paper Entitled proving Software
	Reliability Using I	jango
	Published	in
	SHANLAX INTERNATIONAL JOURNAL OF	ARTS, SCIENCE AND HUMANITIES
	N Argundon	-Al-
	Dr. N. Ayyanathan	Er. S. Lakshmanan
	Editor in Chief	The Publisher

The Bug Tracking System (BTS) is an automated software application designed to track and manage reported bugs during software testing. This system, implemented using Django and Python, offers valuable benefits to employees and managers in various organizational settings. By effectively monitoring and resolving software issues, the BTS contributes to the improvement of software quality and overall reliability. The BTS incorporates anomaly detection techniques to enhance its efficiency Anomaly detection plays a crucial role in identifying unusual patterns or behaviours within the software, enabling early detection and proactive resolution of potential bugs. This proactive approach leads to better software quality and reliability, reducing the inefficiencies caused by software errors.

The integration of user permissions and privileges within the BTS ensures that developers and testers have distinct rights when interacting with the software. This feature enhances security and control over the bug tracking process, facilitating promising association amid group of people while protecting sensitive information. In summary the Bug Tracking System (BTS) implemented using Django and Python offers a comprehensive solution for tracking and managing software bugs. With its anomaly detection capabilities and user permissions, the BTS improves software reliability and contributes to the overall enhancement of software quality in organizational settings.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Parkinson's Disease Detection using Machine Learning: Current Trends and Future Perspectives"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATION

By

PREMANTH GOWDA T S

1RR21MC042

Under the Guidance of

Vaibhava Sindhu Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

Priyanka V Gudada Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution)2021-2022



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. PREMANTH GOWDA T S bearing USN:1RR21MCO42, students of 46 semester MCA has satisfactorily completed the Project work 20MCA44 entitled "PARKINSON'S DISEASE DETECTION USING MACHINE LEARNING CURRENT TRENDS AND FUTURE PERSPECTIVES" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department H.O.D. DIDIE Stobie of Engineering Rajarajeshwari College of Engineering Desangation MCA074.

RRCE, Bengaluru - 560074

EXTERNAL VIVA

External Guide Vaibhava Sindhu

Project Manager **Ilacs** Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishnashale Styage Principal of RRCE OF ENGINEERING RRCE, Bengaluru - 560074

Signature with Date

Name of the Examiners

1..... 2.....



Certification

This is to certify that Mr. Premanth gowda T S (USN : 1RR21MC042) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Parkistons disease detection using machine learning."

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com



First of all, Alzheimer defines the disorder as a neurologic illness that affects the brain and spine. As a result, sufferers have trouble speaking, walking, and trembling when moving. Our approach investigates how to categorise of sounds from a characteristic collection for diagnosing the disorder Parkinson's (PD). The neural networks we like to utilise in our system are from machine learning. People with PD typically include low-volume sounds with a homogenous quality. The audio characteristic dataset from the College of California, Irvine the database, as healthy as provision ramsey and XGboost classification methods, are characteristically rummage-sale in our approach. The Matthew characteristic statistic (MCC) of 89% and a height resolution of 96% produced by XGBoost allowed the algorithm to determine whether not gold sufferer is sound.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

PHARMACEUTICAL GUIDANCE SYSTEM MACHINE LEARNING ENABLED MEDICATION SUGGESTIONS

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Pushpalatha G

1RR21MC043

Under the Guidance of

Ms.Kasthuri

TechCiti software Pvt.Ltd

Bengaluru-560078

Mrs. Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Pushpalatha G bearing USN:1RR21MC043, student of 4^a semester MCA has satisfactorily completed the Project work-20MCA44 entitled "Pharmaceutical Guidance System: Machine Learning-Enabled Medication Suggestions" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

EXTERNAL VIVA

Internal Guide Mrs. Priyanka V Gudada Assistant Professor, Department of MCA RRCE, Bengaluru-560074



External Guide Ms.Kasthuri Project Coordinator TechCiti Software Consulting Pvt Ltd Bengaluru-560104

Head of Department

Dr. T.Subburaj HOD, Department of MCA, -jaraj procest Build and States of the Bangalore - 560 074,

Name of the Examiners

1)	
2)	

Principle

Dr.Balakrishna.R. Principal Principal of RRABESWARI BengafiPU-566074ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with Date



TechCiti Software Consulting Private Limited

CIN: U72900KA2018PTC117376

D-U-N-S No. : 86 14 54180

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email : info@techcitisoftware.in Website: www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT5255 Date: 13th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Pushpalatha G (USN: 1RR21MC043) pursuing MCA from Rajarajeshwari College of Engineering. Bangalore has successfully completed her project with our company, she has been working on the project title: "Pharmaceutical Guidance System: Machine Learning-Enabled Medication Suggestions" under the domain: Machine Learning with Python from April, 2023 to July, 2023.

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely.



Manager Human Resources Department TechCiti Software Consulting Private Limited



Machine learning's value has soared in diverse applications, driving automation in creative work. We present a medication suggestion engine to lighten experts' workload. Our method suggests medications effectively. COVID-19 has strained clinical resources, leading to scarcity of experts, equipment, and medications. People resort to self-medication without guidance, worsening the health situation. Bow, TF-IDF, Word2Vec, and Manual Feature are the tools we employ. for emotion prediction. By employing categorization algorithms, we analyse and select appropriate medications. Accuracy, accuracy, remembrance, f1score, and AUC score are all important metrics. evaluate predictive sentiments. Results favour LinearSVC with TF-IDF.Vectorization, works superior to every other model, with an accuracy rate of 93%.

KEYWORDS- Medicine, Machine learning, Patients.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

DDoS Attack Analysis Using Machine Learning Technique

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

RAHUL R BHAT

1RR21MC044

Under the Guidance of

Mr. Raghavendra Guligare

PROJECT COORDINATOR WebBlitz Softwares Bengaluru-560078

Mrs. Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008CertifiedInstitution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Rahul R Bhat, bearing USN:1RR21MC044, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "DDoS Attack Analysis Using Machine Learning Technique" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada Associate Professor Department of MCA RRCE, Bengalaru-560074 Oppartment of M.C.A. Rajarajethumer College of Engineering Bangalore - 500.074 Head of the Department Dr.T.Subburaj Department of MCA, RRCE, Bengaluru-560074 External Guide Mr. Raghavendra Guligare Project Coordinator WebBlitz Softwares Bongaluru-78

Principal Dr.Balakrishna R

Principal of RRCE RADARAJESWAR Bengaluru-560074(LEGE OF ENGINEERUNG Samehalli Criss, Bengaluru-7

EXTERNALVIVA

Name of the Examiner

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Signature with Date

WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr Rahul R Bhat (USN: 1RR21MC044) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" A Machine Learning-Based Classification and Prediction Technique for DDoS Attacks."

We wish him all the best and success in all future endeavours.

Regards,





2936, 1st Floor, MKK Rosd, Near Kuvempu Metro Station, Rajajinagar Ind Stage, Bangalore - 560 010. Website : https://www.webbitz.co.in / E-mail : hr@webbitz.co.in info@webbitz.co.in Ph : 7400884253

	Vol. 11 Special Issue 1 July 2023 E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X
	SHANLAX INTERNATIONAL JOURNALS
	A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal
	DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
	RAJARAJESWARI COLLEGE OF ENGINEERING
	#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
	Certificate
	We hereby certify that
	Rahul R Bhat (12R21MC044)
	A Machine Learning Based Classification
	and trediction rechnique 107 2005 million
A T A	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
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	Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Consequently, the exploitation of the gaps in the security of Internet of Things (IoT) devices the quantity of cyber-attacks and data breaches has significantly increased across various corporations, companies, and industries. Because it can extract and learn deep characteristics from known attacks and detect unknown attacks without the To identify cyber attacks without the requirement for manual feature engineering, machine learning has been employed. Although the machine learning (ML) a strategy has been used since Intrusion detection, the attack remains a major threat of the 13 Internet. The core idea behind this project is identifying or detecting the attacks which in occurred in the network. Now growth of social network will get increased in every day to day basis. However, The question of identifying the assaults is provoking. This project will dynamically identify the attack by analysing the information of the KDDCUP Dataset. The feature scaling method is applied and normalise the assortment of independent variables or data aspects. The feature reduction PCA algorithm is implemented and to find the directions of maximum variance in highdimensional data and projects it onto a new subspace with equal or fewer dimensions than the original one. Finally the classification ML algorithm is applied and classify the data. The final report is generated in accordance with attacks and the normal event.

KEYWORDS:DDOS, Machine learning, Cyber Attacks,PCA Algorithm.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA ,BELAGAVI



Project Report on

A SYSTEMATIC ANALYSIS OF INFORMATION MININGMETHOD TO FAULT PREDICTION IN POWER ELECTRONIC SYSTEMS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Rohith K R

1RR21MC045

Under the Guidance of

Mrs. Vaibhava Sindhu

Project Manager BLITZ Technologies Bengaluru-560078

Mrs. Priyanka V gudada

Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Rohith K R bearing USN:1RR21MC045, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "A Systematic Analysis of Information Mining Methods to Fault Prediction in Power Electronic Systems" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

InternalGuide Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bengaluru-560074

H.O.D. Head of the Department Department of M.C.A. Dr. T Subburaj Rajarajeshwari College of Engineering Department of MCA Dangalory - 560 07 f. RRCE, Bengaluru - 560074



Mrs. Vaibhava Sindhu Project Manager Blitz Technologies Bengaluru-560078

Principal

Dr. R. Balakrishna Principal of RRCE^{ARAJESWARI} Bengaluru^{CO56074}OF ENGINEERII Ramohalli Cross, Bengalun

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

Signature with Date

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Rohith K R</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC045) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- A Systematic Analysis of Information Mining Methods to Fault Prediction in Power Electronic Systems

During the project work, He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591423924



Early fault detection in power electronic systems (PESs) to maintain reliability is one of the most important issues that has been significantly addressed in recent years. In this paper, after reviewing various literature based on fault detection in PESs, data mining-based techniques including artificial neural network, machine learning, and deep learning algorithms are introduced. Then, the fault detection routine in PESs is expressed by introducing signal measurement sensors and how to extract the feature from it. Finally, based on studies, the performance of various data mining methods in detecting PESs faults is evaluated. The results of evaluations show that the deep learning-based techniques given the ability of feature extraction from measured signals are significantly more effective than other methods and as an ideal tool for future applications in power electronics industry are introduced.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

DL BASED HUMAN ASSULT DETECTION

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

SHRADDHA S

1RR21MC046

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&D RRCE, Bangaluru-560074

Dr. T Subburaj

Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application <u>PROJECT CERTIFICATE</u>

This is to certify Mr. DEERAJ C bearing USN:1RR21MC015, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BIRD BOOK USING DJANGO" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

DR. T Subburaj Head Of The Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburgi Denomicit of MCS.A. ajarajestwari College RREingBongatähir - 560074

pul. C

External Guide

Dr. S Usha Dean, RRCE Department of R&D RRCE, Bengaluru-560074

Princips

Dr. R. Balakrishna

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with Date

EXTERNAL VIVA

Name of the Examiners

1..... 2.....



RajaRajeswari College of Engineering

(pproved by AICTE, New Delbi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Ms. SHRADDHA S [USN : IRR21MC046], a student of RajaRajeswari College of Engineering, has successfully completed the "DL BASED HUMAN ASSULT DETECTION" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

p. p.y.

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

do

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENGALURU - 566 074.



The DL-based Human Assault Detector (DBHAD) is an innovative security setup that includes DL and ML methods to detect and prevent potential assaults. This advanced system incorporates features such as face expression detection, body motion tracking, and proximity alert, providing real-time monitoring and timely alerts for potential threats. By analyzing facial expressions, tracking body movements, and monitoring proximity between individuals, DBHAD enhances security measures in public spaces, workplaces, and educational institutions. The face expression detection feature of DBHAD utilizes deep learning algorithms to analyze and interpret individuals' facial expressions, enabling the system to identify suspicious behaviour and alert security personnel promptly. The body motion tracking feature employs motion sensors to track and monitor individuals' movements, effectively identifying abnormal or potentially threatening behaviour. Additionally, the proximity alert feature, powered by YOLO (You Only Look Once) technology, continuously monitors the distance between individuals, issuing alerts when people are in close proximity. DBHAD offers versatility and efficiency, surpassing single-sensor systems. With its multi-faceted framework and deep learning algorithms, it provides a comprehensive approach to threat detection. The system's customization options make it suitable for various settings, while its real-time monitoring capabilities and proactive alerts contribute to enhanced security and prevention of potential assaults.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

BLOCKCHAIN-BASED MANAGEMENT FOR ORGAN DONATION AND TRANSPLANTATION

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

SHREYA PRAKASH HEGDE

1RR21MC047

Under the Guidanceof

Mrs Vaibhava Sindhu. Project Manager ILACS Technologies Bengaluru-560078

Mrs. PRIYANKA V GUDADA

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross,Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Shreya Prakash Hegde, bearing USN:1RR21MC047, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "BLOCKCHAIN-BASED MANAGEMENT FOR ORGAN DONATION AND TRANSPLANTATION" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide Mrs. PRIYANKA V GUDADA Assistant Professor Department of MCA RRCE,Bengaluru-560074

H.O.O. Department of M.O.K. Tajartjestwart Column Engineering Bang A. See 074 Head of Department Dr. T.Subburaj Department of MCA,

RRCE, Bengaluru-560074

14

External Guide Mrs.Vaibhava Sindhu Project manager Ilacs Technologies Bengaluru-560078

Principal

Dr.Balakrishna.R, Principal Principal of RRCEAJARAJESWARI Bengaluru-56(2074 GE OF ENGINEERING Namohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners

Signature with Date

1).....

2).....



Ms. Shreya Prakash Hegde (USN: 1RR21MC047) Rajarajeswari College Of Engineering Bangalore

Ilacs, Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

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(Mohammed Ilyas)

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Certifican	LIGATION				
We hereby certify	We hereby certify that				
Shreya Prakash +	legde (IRR 21MCO47)				
In recognition of the Publication Management of Organ	of the Paper Entitled 2 Donation and				
Transplantation using	Block Chain				
Published in	Published in				
SHANLAX INTERNATIONAL JOURNAL OF AR	TS, SCIENCE AND HUMANITIES				
~ Againt	Aut				
Dr. N. Ayyanathan	Er. S. Lakshmanar				
Editor in Chief	The Publisher				

Gift of an organ transplantation systems now face a variety of requirements and obstacles in relation to registration, donor-recipient matching, organ removal, organ delivery, and transplantation, all of which are hampered by legal, clinical, ethical, and technical restrictions. The result is a comprehensive organ donation and transplantation system is essential to provide a fair and efficient procedure that improves patient experience and confidence. In this work, we present a private Ethereum block chain-based system for managing organ donation and transplantation in a completely decentralized, secure, traceable, auditable, private, and trustworthy manner. We create smart contracts and offer six algorithms, along with information on their implementation, testing, and validation. We assess the performance of the suggested solution by conducting privacy, security, and confidentiality assessments and comparing it to current solutions.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "E-PUNCTURE"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

TILAK H N

1RR21MC048

Under the Guidance of

DR. S. Usha

Dean R&D,

RRCE,

Bangalore 560074

PRIYANKA V GUDADA

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074

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2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. TILAK H N bearing USN:1RR21MCO48, bearing students of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "E-PUNCTURE" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T SubburajC.O. Department of MCA Repartment of MCA RRCESBengkhan-5600074-

External Guide Dr. S. Usha Dean R&D, RRCE Bangalore 560074

Dr. R. Balakrishna

Principal of RRCE Principal RRCERBengalury v 560074 COLLEGE OF ENGINEERING Ramohalli Cress, Bengsluru-7/

EXTERNAL VIVA

Name of the Examiners

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Signature with Date


RajaRajeswari College of Engineering 🍹

(by AUCTE, Hew Dulla, Gest. of Karaataka, Affiliats to Verservaraya Technological Uncernity, Belagavi) #14, Ramohalli Cross, Kambalgodu, Mysore Road, Beogaluru – 560074

CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Mr. Tilak H N [USN NO. 1RR21MC048] M.C.A. Final year student has done project work on "E-Puncture" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

p.or.

With Regards

OX.

Dean R&D, RRCE, Bengaluru.

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BEINGALURU - 560 074.

#14. Ranohalli Cross, Kumbalgodu, Mysore Road, Benzaluru - 550074



www.rrce.org admission@rrce.org Ph.No:9008845678



E-Puncture is an innovative Android application designed to provide reliable and efficient puncture repair services. The application aims to assist people who encounter a punctured vehicle while traveling, particularly in unfamiliar locations, by helping them find prompt assistance and getting their vehicles repaired without hassle.

The traditional challenges faced by individuals in such situations include a lack of knowledge about nearby garages, unfamiliarity with the surrounding area, breakdowns occurring in deserted or remote locations, and the difficulty of finding a reliable and skilled mechanic to handle the repairs. E-Puncture addresses these problems by leveraging the capabilities of modern technology and mobile applications.

Using GPS technology, E-Puncture determines the user's precise location and provides a list of nearby garages. This functionality ensures that users can quickly identify and reach out to the nearest service providers. Furthermore, the application allows users to specify the nature of their breakdown or puncture issue, enabling the selected garage to appropriately assess the situation and allocate a suitable mechanic for the job.

Once the user requests assistance through the application, one of the available garages will accept the job and dispatch a mechanic to the traveller's location. This on-demand approach ensures a swift response and allows the mechanic to reach the user promptly, reducing the waiting time and inconvenience associated with traditional repair services.

The development of the E-Puncture application is facilitated by Android Studio, a powerful integrated development environment (IDE) for creating Android applications. Additionally, the application leverages the capabilities of Google Cloud Firebase, which offers a range of custom tools and libraries beneficial for the development of Android-based mobile and tablet applications. Firebase provides essential features such as a NoSQL database (Fire store), Google Maps integration for location-based services, and a rich set of graphical user interface (GUI) and user interface (UI) components.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018, Karnataka, India



Project Report on

"STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINELEARNING METHODS" Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

Submitted By

UDAY S N

1RR21MC049

Under the Guidance of

Ragavendra G

Software Developer

Web Blitz Software

Bengaluru-560010

Priyanka V Gudada

Assistant Professor

Department of MCA

RRCE, Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road KumbaIgodu ,BengaIuru -560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. Uday S N bearing USN:1RR21MC049, student of 4th semester MCA has satisfactorily completed the Project work — 20MCA44 entitled "STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINE LEARNING METHODS" in the academic year 2022 -2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

an.

Internal Guide Mrs. Priyanka V Gudada Assistant Professor Dept. of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA Department of MCA Separtment of MCA Bangalore - 560 074. April)

External Guide Mr. Ragavendra Guligere Project Manager Web Blitz Software Bengaluru-560010

Dr. R. Balakrishna

Principal of RRCE

Bengaluru n 560074 RAJAR MESWARI COLLEGE OF FINGHTHOMG Ramphalli Critici Libe galuru-7.1

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

Signature with date

Completion Certificate

WEBBLITZ SOFTWARES

This is to certify that Mr Uday S N (USN: IRR21MC049) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINELEARNING METHODS."

We wish him all the best and success in all future endeavours.

Regards,



Raghavendra Guligare

2936, 1st Floor, MKK Road, Near Kovernou Metro Station, Rajajinagar 2nd Stage, Bangatore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

Vol. 11 Special Issue 1 July 2023 E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X HANLAX INTERNATIONAL JOURNALS - 20.00 A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 Certificate We hereby certify that Uday SN (LRR 21MC049) In recognition of the Publication of the Paper Entitled Stress Identification in IT Employees Using Machine Learning Methods Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Again Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Data changes are made using SQL, or Structured Query Language. We'll also provide you a general understanding of database structure, show you how to install MySQL safely, and offer you cutting-edge recommendations for maximizing the value of your data.

Stress is visible surface rise among all people in the modern world with all of the latest technological gadgets. So, while the wealth, individuals are not happy. Stress is the sensation of pressure. Stress can be either physical, mental, or emotional. Identification of the strain level that disrupt our socioeconomic way of life requires mechanisms for regulating stress. The World Health Organization, also known as the WHO, estimates that one in four persons have stress-related psychological problems. Stress in people leads to psychological and social problems, a loss of concentration at work, poor relationships with coworkers, despair, and in the worst cases, suicide. In order to help persons who are stressed manage their stress, counselling must be made available. While it is hard to totally eliminate stress, you can benefit from adopting precautions. Now, only specialists in medicine and physiology can analyze the mental state of somebody. Of the more popular approaches to identifying stress is a questionnaire-based method. Our project's main the aim is to use sophisticated via methods for image analysis and data mining spot indicators of stress in IT professionals. Our system is an advancement over earlier methods of stress identification, which failed to account for the feelings of the worker or live monitoring.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on

"Recognising Consciousness Problems in Brain Injuries Using EEG Coupling and Machine Learning"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VARUN R

1RR21MC050

Under the Guidance of VAIBHAVA SINDHU

Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

PRIYANKA V GUDADA

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution)



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. VARUN R bearing USN: 1RR21MCO50, bearing students of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Recognising Consciousness Problems in Brain Injuries Using EEG Coupling and Machine Learning" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant Professor

Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subhuraj D. Department wr Mre A.C.A. tajarajeshwari College of Engineering RRCIB: Balagestan 65880074

Name of the Examiners

1..... 2.....

External Guide Vaibhava Sindhu

Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishna Principal of RRCE RRCE, Bengaluru - 560074

EXTERNAL VIVA

Signature with Date

Principal RAJARAJESWARI COLLEGE OF ENGINEERING Camohalli Cross, Bengaluru-74



Certification

This is to certify that Mr. Varun.R (USN : IRR21MC050) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Recognising Consciousness Problems in Brain Injuries Using EEE Coupling and Machine Learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(project Manager)

#64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078

Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertifica PUBLICATION

We hereby certify that

Varun R (IRR21MC050)

In recognition of the Publication of the Paper Entitled Recognising Consciousness Problems in Brain Injuries using EEG Coupling and ML

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agand

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The computational electroencephalogram (EEG) is recently garnering significant attention in examining whether the EEG features can be utilised as fresh predictors for finding signs of modest brain injuries and the prediction of healing. In this study, an electronic method for automating DoC (Disorder of consciousness) identification by gathering data from electroencephalogram, or EEG, data is proposed. Power Spectra Density Difference (PSDD) including its recursive Cosine curve (CPSDD) is a novel related metric that is given. The subsequent processing steps.

As a result, it is crucial to devise a strategy for meticulously flagging and extracting clean EEG data to retrieve high-quality discriminative traits picking traits using PCA The strategy then uses a team machine learning method to group brain-injured folks to DoC (positive, negative, and neutral) groups. Our suggested method for using a deep learning algorithm in high accuracy and prediction status.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Dual Access Control for Cloud-Based Data Storage and Sharing"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VIDYASAGAR

1RR21MC051

Under the Guidance of

AJITHA PROJECT COORDINATOR

Blitz Technologies Rajajinagar ,Bengaluru-560010

Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysure road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. Vidyasagar bearing USN:1RR21MCO51, bearing students of 4th semester MCA has satisfactorily completed the Project work 20MCA44 entitled "Dual Access Control for Cloud-Based Data Storage and Sharing" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide

Mrs.Priyanka V Gudada Assistant professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subbyraj Department of MCA RRCE, Bengaluras- 560074

EXTERNAL VIVA

Name of the Examiners

1..... 2.....



External Guide Mrs.Ajitha Project Coordinator Blitz technologies Bangalore-560010

Principal

Dr. R. Balakrishna Principal Principal of RRCE RAJARAJESWARI RRCE, Bengalur@U560074ENGINEERING Tamohalli Cross, Bengaluru-

Signature with Date

.....

.....



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Vidyasagar</u> from "Rajarajeshwari College of engineering", Bangalore with (USN: 1RR21MCO51) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Dual Access Control for Cloud Based Data Storage and Sharing

During the project work , He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu





since of the service's effectiveness as low-cost administration, stored in the cloud services for saving data have piqued the interest of both academia and business in recent years. Because it offers services via a distributed network, service providers must utilise safe retention and sharing mechanisms to maintain information security and consumer privacy. Cypher is the most a widely used method of avoiding the disclosure of private information hacked. However, just data encryption (for example, using AES) fails to tackle the actual necessity for managing it. Furthermore, an Proper surveillance over file requests must also be addressed so that Financial Deny of Programme (EDoS) attempts do not disrupt service delivery. We explore dual access control in this study's setting of online storage, in the sense that we build controls over both file access and download requests without sacrificing privacy or speed. In this cram, two dual authentication systems are constructed, one for every of two distinct settings. The systems' privacy and testing are also offered.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI-590018



Project Report on

"FRAUD DETECTION AND ANALYSIS FOR INSURANCE CLAIM USING MACHINE LEARNING"

Submitted in partial fulfillment of the requirements of the 4th semester in

MASTER OF COMPUTER APPLICATIONS

By

YASHASWINI K S

1RR21MC053

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Prof. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore Road Kumbalagodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore Road Kumbalagodu, Bengaluru- 560074(An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master Of Computer Application

This is to certify that Mrs. Yashaswini K S, bearing USN: 1RR21MC053, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Fraud Detection and Analysis For Insurance Claim Using Machine Learning" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Application.

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Deepa K R Professor Department of MCA RRCE, Bengaluru-560074

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Head of the Department Dr. Subburaj Dep Department of MCA Rejamiestiv BRCE: Bengalin u Schull 4 Baumgroon Division



External Guide Mrs. Mrs. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Principal Dr. Balakrishna R PrintipantieRREE COBEngaRinie5600741NG Namohalli Cross, Bengaluru-7/

EXTERNAL VIVA

Name of the Examiner

1.....

2.....

Signature with date

......



Ms. Yashaswini K S (USN: 1RR21MC053) Rajarajeswari College Of Engineering Bangalore

Ilacs Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

(Mohammed Ilyas)



Vol. 11 Special Issue 1

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SHANLAX INTERNATIONAL JOURNALS

A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate OF PUBLICATION

We hereby certify that Yashaswini KS (IRR21140053)

In recognition of the Publication of the Paper Entitled Machine Learning is used to Detect Fraud in Insurance Claims

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Avinnes

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

An insurance company operating as a commercial venture continues to be dealing with deception instances of various types. The sum declared by fraudulent is considerable, which may result in significant challenges; so, along with to the administration, other organisations are seeking to identify and reduce such activities. Such fraud occurred in every aspect of protection guarantee with high seriousness, for example, protection asserted towards vehicle area is deception that are frequently claimed and apparent type, which have to be possible by counterfeit mishap guarantee, as the result, we want to support a task that works on a protection guarantee informative index to identify extortion and phoney situations. The venture uses AI computations to build a model to name and characterize the guarantee. Furthermore, to focus on relative examination of The AI computations utilized in chaotic framework gathering with regards to the sensitive precision, precision, assessment, etc., . For fake exchange approval, an artificial intelligence (AI) model is built using the PySpark Python Package.

According to estimates, deception has been on increase throughout all initiatives, costing the protection area billions of dollars each year. Protection extortion is a criminal act committed with the intent of profiting financially. This is currently the most difficult issue that many insurance companies throughout the globe are dealing with. Almost all, if not every one flaw an assessment for fraudulent cases have be identified as a essential element. Protection extortion is an exploitative strategy that is frequently used for financial gain. Such deceptive cases constantly cost the security industry a large sum of money and result in billions of dollars in unnecessary costs, as result, the urge to use PC solutions to avoid extortion exercises grew, delivering clients a trustworthy and reliable environment as a result. In an addition to significantly lowering fabrication accusations.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"HOSPITAL AND DOCTOR RECOMMENDATION WITH DISEASE PREDICTION USING MACHINE LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

YATHISHWAR B

USN: 1RR21MC054

Under the Guidance of DR. S. USHA Dean R&D, RRCE Bengaluru-560074

DR. T. SUBBURAJ HOD & Associate Professor Department of Master of Computer Applications RajaRajeswari college of engineering, Bengaluru



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore Road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] YATHISHWAR B bearing USN:1RR21MC054, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Hospital And Doctor Recommendation With Disease Prediction Using Machine Learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

External Viva

m Internal Guide

Dr. T. Subburaj HOD & Associate Professor Department of MCA RRCE, Bengaluru-560074

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HOD

Dr. T. Subburaj Department of MCA RRCE, Bengaluru-560074

Department of tA.C.A. jarajostiwari Cotago, or Engineering Bangalore - 560 074.

Name of the Examiners

1.....

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External Guide

Dr. S. Usha Dean R& D, RRCE Bengaluru-560074

Principa

Dr. R Balakrishna Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature with Date





CERTIFICATE

Subject: Project Completion Certificate.

This is to certify that Mr. Yathishwar B [USN NO. 1RR21MC054] M.C.A. Final year student has done project work on "Hospital and Doctor Recommendation with Disease Prediction Using Machine Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

p.our.

With Regards

Dr. S Usha Dean R&D, RRCE, Bengaluru

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENGALURU - 560 074.

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Benzaluru – 550074



www.rrce.org admission@rrce.org Ph.No:9008845678



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificat

We hereby certify that

Yathishwar B(1RR)1MC054)

In recognition of the Publication of the Paper Entitled <u>Hospital and Doctor Recommendation with</u> <u>Discuse Prediction Voing Machine Learning</u>

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

This project presents a system that combines machine learning algorithms for disease prediction and hospital/doctor recommendation, with the aim of providing personalized suggestions to patients based on their health conditions and preferences. The system involves the collection of a comprehensive dataset comprising patient records, medical history, symptoms, laboratory results, and treatment outcomes. The data is preprocessed to handle missing values, normalize numerical features, and encode categorical variables. Feature selection and extraction techniques are then applied to identify the most informative features for disease prediction, considering factors such as age, gender, medical conditions, symptoms, and previous diagnoses. ML models, including logistic regression, decision trees, random forests, support vector machines (SVMs), or neural networks, are trained on the preprocessed data to predict the likelihood of specific diseases based on the patient's features. Concurrently, a recommendation system is developed to suggest suitable hospitals and doctors, taking into account factors such as the predicted disease, geographical location, specialty, patient reviews, and availability. The system is integrated into a user-friendly application or web portal to enable real-time data processing and prompt recommendations. Evaluation of the system is conducted using metrics like accuracy, precision, recall, and user feedback, with ongoing refinement to enhance its performance and relevance. This project aims to enhance healthcare outcomes by utilizing machine learning techniques to predict diseases and provide tailored recommendations, empowering patients to make informed healthcare decisions and enabling healthcare providers to deliver more efficient and personalized care.

KEYWORDS: ML; Disease Prediction; SVM (Support Vector Machine); Decision tree.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Online Bullying Detection Using Machine Learning and Deep Learning

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

YOGEESH D R

1RR21MC055

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Dr. T. SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr.Yogeesh D R bearing USN:1RR21MC055, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Online Bullying Detection Using Machine Learning and Deep Learning" in the academic year 2022-2023 as prescribedby VTU for IV Semester of Master of Computer Applications.

Internal Guide Dr.T Subburaj Professor, HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr.T Subhugaj Department of MCAr on C.A. RRCE Bengaluru-560074 ngineering Bangatore - 560 074.

External Guide Mr.Sainadh Panda Embedded Software Developer ILACS Technologies Bengaluro-560078

Principal ipat Dr. Balakrishna R COLPrincipal of RRCE Bengaluru-S60078 Tamohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

2.....

Signature with Date



ILACS TECHNOLOGIES

Certification

This is to certify that Mr. Yogeesh D R (USN : 1RR21MC055) undergoing MCA from "Rajarajeswari College Of Engineering", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Online Bullying Detection Using Machine Learning And Deep Learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

Special Issue 1 **July 2023** Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 INTERNATIONAL JOURNALS editor@shanlaxjournals.com | www.shanlaxjournals.com A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertifica We hereby certify that Yogersh DR (1RR21MC055) In recognition of the Publication of the Paper Entitled Bullying Detection using Machine Online Learning and Deep Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES NA Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Using cardinal technologies cause the appearance of cyberbullying and Then use the network has become has become major source for it compared to mobile phones, platforms such as gaming and messaging. Cyberbullying can appear over multiples of ways. includes sexual remarks, threats, hate mails and posting false things about someone and this will seen and read by millions of people. Compared to traditional bullying, cyberbullying has a longer lasting effect on the victim which can affect them physically or emotionally or mentally or in all the forms. Number of suicides due to cyberbullying has increased in recent years and India is one among the four countries that has more number of cases in cyberbullying. Prevention of cyberbullying has become mandatory in universities and schools due to rising cases since 2015. This study uses robotic intelligence and deep learning to automatically identify cyberbullying comments techniques. Metrics such as reliability, vigilance, and memory and F1-score used To judge the model performance. It is with a precision of 95.47%, it was discovered that the deep learning technique known as the Gated Recurrent Unit performed better than all the other strategies examined in this essay.

social media usage systems, which is very common has led to an increase in incidents of cyberbullying, It could result in very serious mental effects and emotional effects on victims. The aim This project's The aim are to build Using deep learning, one may find instances of online bullying. online platforms posts using networks with long short-term memory (LSTM). The available research is directed towards mature languages and highlights a huge newly accepted resource poverty gap languages. This proposed system utilises Long-Short Cognition model (LSTM), a deep learning strategy for identifying and avoiding cyberbulling actions. The project consists of several modules, such as collecting information Plus information processing, model development, and evaluation.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"DUAL SERVER PUBLIC KEY AUTHENTICATED ENCRYPTION WITH KEYWORD SEARCH"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

BY

VARSHINI S

1RR21MC058

Under the Guidance of Raghavendra Guligare Project Manager Webblitz Softwares Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar Assistant Professor

Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Ms.VARSHINI S bearing USN:1RR21MC058, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "DUAL SERVER PUBLIC KEY AUTHENTICATED ENCRYPTION WITH KEYWORD SEARCH" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

Internal Guide

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Sm Head of the Department

Dr. T Subburaj Department of MCA Recention of MCA Pajarajostiwan Bengalurui 560094ng Bangalore - 560 074.

External Guide

Mr. Raghavendra Guligare Project Manager Web blitz Software Bengaluru-560010

Principal

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Dr. R. Balakrishna Principal of RRCE Bengaluru - 560074 Principal RAJARAJESWARI EXTERNAL VIVA COLLEGE OF ENGINEERING Ramohally Cross Benchlury-7'

Name of the Examiners

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2.....



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Ms Varshini S (USN: 1RR21MC058) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed her project work from April 2023 to July 2023.

Project Title:" Dual-server public-key authenticated Encryption with Keyword Search."

We wish her all the best and success in all future endeavours.

Regards,

Raghavendra Guligare



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253
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Dr. N. Avvanathan	-Jup.
Editor in Chief	The Publisher

It is a difficult problem to rapidly and safely search sensitive data in cloud storage. The searchable encryption approach offers a safe way to save data without sacrificing its usefulness or confidentiality. Key-based security with recherche of keywords subfield of searchable encryption that has received a set of attention from researchers. However, the inside keyword supposition bother can be used to compromise the best part of classic PEKS methods. All new PEKS schemes will likely withstand the inside keyword guessing attack. IKGA mitigation has long proven ineffective and challenging, and the mainstream of current PEKS methods fall short of meeting their security objectives. We define the concept of Confidentiality with Dual-Server Public-Key Identification and Search Retrieval (DPAEKS), which safeguards against IKGA by utilizing two servers that do not communicate, and enables the authentication property, To be able to deal with the aforementioned issues. Next, we offer a DPAEKS architecture without bilinear pairings. Our system is really effective and offers great security, according to experimental results obtained using a real-world dataset, making it in practical applications.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

MULTI-AUTHORITY ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION FOR PERSONAL HEALTH RECORD

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VINAY G B 1RR21MC060

Under the Guidance of

Mr. MOHAMMED ILYAS

Project Coordinator ILACS Technologies, Bangalore-560074

Mr. SHREEDHAR MARUTI KUMBHAR

Assistant prof. Department of MCA RRCE, Bengaluru-560078



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 90012008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. VINAY G B bearing USN:1RR21MC060 student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Multi-authority Access Control with Anonymous Authentication for Personal Health Record" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Applications.

-Infernal Guide Shreedhar Maruti Kumbhar Assistant prof.

Department of MCA RRCE, Bengaluru-569074

Head of the Department Dr. T Subburaj Department of MCA RRCE: Bengalutter of MCA RRCE: Bengalutter of MCA Bangalore - 530 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Mohammed Ilyas Project Coordinator

ILACS Technologies Bengaluru -560078

Principal

Dr.R. Balakrishna Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Comballi Cross, Bengaluru-7/

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Signature with Date

Vol. 11	Special Issue 1 July 2023
E-ISSN: 2582	2-0397 P-ISSN: 2321 - 788X
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Controlling Access	with Multi-Authority & Identifi
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SHANLAX INTERNATIONAL JOUR	D. 1
Dr. N. Avyanathan	Alla
Editor in Chief	Er. S. Lakshmanan The Publisher
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A clever health system that benefits both patients and physicians is a private medical record (PHR) system. A semi-trusted provider of cloud services often manages and stores PHRs in the cloud. Yet there is still a chance that untrusted people and semi-trusted parties might see confidential health information. A customer-centric PHR sharing architecture is suggested in this approach to preserve patient privacy and control over their PHRs. Before outsourcing, all PHRs in this system are secured with multi-authority attribute-based encryption. It enables very fine control of entry to PHRs and addresses the primary hosting issue. In order to guarantee data integrity on the cloud and protect the user's identity during authentication, a private login session between the cloud or the user is also suggested. The new online-offline attribute-based sign that the proposed authentication is based on is issued. It may increase patients' control over their PHRs by making the encrypted PHRs resistant to collusion attempts and preventing forgery throughout the sharing time.



RajaRajeswari College of Engineerin @ #== @

#14, Ramohalli Cross, Kambelgada, Mysers Rosd, Bengabers - 560074

Department of Computer Science & Engineering

Project Batch List

Batch	USN	NAME	Guide Name	Title of the Project	
	1RR19CS062	Keerthana R	Dr Selvi	to be an effection and remedies using ML model	
1	1RR19CS075	Madhushalini M		Marvire origen	
	1RR19C5094	Nandish K			
	IRR19CS104	Praywal R		Air rollution Prediction using Machine Learning	
3	1RR19C5109	Pruthvi Raj	- Dr Balakrishna	An politika C	
	1RR19CS111	Putha Sri Hari Reddy			
E States	1RR19CS005	Adarsh Murthy T M	-	a officient Virtual dressing room for augmentation real	
-	1RR19CS009	Ajay M S			
1	1RR19CS039	Goutham M	- Mr Shasidhar	An efficient visual and a	
1	1RR19C5040	Govardhan G P	1		
11-2-40	1RR19CS016	Anusha V			
100	1RR19CS034	Gadappara Kokila	1	a duraged shopping trolly with automatic billing	
4	1RR19CS014	Anusba B	Mr Saravana Perumai	Advanced shopping and	
3	1RR19CS061	Keenhana			
1	1RR19CS019	Avinaasi Li			
S 6	1RR19CS025	Chaitanya Mahaprabhu Sm	1	Enhanced Least significant Replacement algothimn in	
3	1RR19CS017	Arshiya Nazneen	Mrs Snraksba	Apatial Domain of Stegnography	
and the second	IRR19CS033	Farheen Taj	1		
AN CLIME	IRR19CS060	Keerthan R			
	IRR19CS049	Hrithik K A	Me Bai Famor	Human facial activity recognition	
6	1RR19CS064	Kesari Nandan	Mr Raj Kumar	minin focus exception of	
1	1RR19CS054	K Shivukumar			
and the second	1RR19CS056	K Yashwanth Chowdary	Mrs Deepa		
120	1RR19CS018	Augustin Avinash I		Facial emotion recognition with CNN	
107.00	1RR19CS022	Bangaru Aditya		taria tarian terger	
17 Alt	1RR19CS078	Mareddy Christofar			
- destroit	1RR19CS164	Tejas V	Mr Auntin Jose	Earthquake Location and Magnitude Est	
History and	1RR19CS167	Varsha P			Earthquake Location and Magnitude Estimation with
8	1RR19CS169	Vasantha D V		Graph Neural Networks	
-11-2-2	IRR19CS170	Vijeth S Gowda			
741 1 1	1RR19CS138	Shireesha Y A	Dr Kamal Raj Brain tumor segmentation using CNN algorithm		
The let of	1RR19CS148	Sindhu Shree.V		Brain tumor segmentation using CNN algorithma and	
9.	1RR19CS161	Sushmitha.M		image proce	image processing
10-24	1RR19C5168	Varshitha . H			
Valence I	1RR19CS026	Chaithanya.M	Dr Usha S		
10	1RR19CS053	Jesica Gy		Smart home automation, security and energy optimization	
Terrent	1RR19CS072	Lavanya N Murthy			
CHULL HALF	1RR19CS162	Sved Mansoor	Dr Usha S		
11	1RR19C5182	Zahid Hussain Lone		House Price Prediction using AIML/ Deep learning	
f to	1881905008	Afroz Alam		++122512+1421123+1275425244784224421112451114451	
1	1881905180	Yashwanth M			
in The	1RRIG/SIA	Karthik T	Mr. Sunil	Predicting Stock Market Trends Using Machine Learning	
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13	1RR19CS129	Samyekthn S		
	1RR19CS149	Sucha Aparna	Ms Manasa GV Kumar/	An approach towards building an IoT based smart class
	1RR19CS160	Suryakanth Mastappa Naik		Poorm
14	1RR19CS103	Pragathi K		
	1RR19CS100	Parameshwari M	Mr. Sunil	A statement - Based Brain Hemorrhans classification
	1RR19CS002	Abhishek K		Neural Network - Dased Brann Head CT Scan
	IRR19CS031	Devaraja		and the second se
15	1RR19CS013	Anuj Raj		Improving Learning experience of a student hy pretecting early experience using artificial Intelligence and machine
	1RR19CS123	Sagar R	Dr Porkodi	
	1RR19CS140	Shree Krishna		
	IRR19CS174	Vishal L		Jearning
- All	1RR19CS122	Sagar K	-	
16	1RR19CS134	Shankarling Kalashetty	No end	CliniVault-Text detection from medical records using
5	1RR19CS132	Santosh K	Mr. Sanil	Machine learning
The trail	1RR19CS030	Deekshitha U M		
17	1RR19CS041	Gunasree N A	-	
11	1RR19CS046	Harshitha V	Dr Kirubha	IoT in Indian Agriculture using wireless Sensor Networks
11 130	IRR19CS043	Harshitha Morty K	-	
Strengton Strengton	1RR19CS092	Nagaprasad K R		
10	IRR19CS114	Rahul Rai K J	-	
7.000	IRR19CS115	Rakesh P M	Dr Schvi	Activating Self driving based on the driver behaviour
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21	1RR19CS157	Sumaiya Nadeem		
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23	1RR19CS173	Vinushreee K.	Dr Balakristena	
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Project Co-ordinators

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



A PROJECT REPORT ON

"ANANYA KRUSHI"

Submitted in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE & ENGINEERING

Submitted by

SANTHOSH N (1RR20CS404)

JEEVAN Y (IRR19CS052)

SOWMYA M N (IRR19CS152)

Under the guidance of:

Dr. Kamal Raj T

Assoc. Professor Department of CSE RajaRajeswari College of Engineering



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

certified that project work entitled

"ANANYA KRUSHI"

Carried out by SANTHOSH N (1RR20CS404) JEEVAN Y (1RR19CS052) SOWMYA M N (1RR19CS152)

The bonafied student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the report. The project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester of said degree.

Signature of guide Dr. Kamal Raj T Assoc. Professor, Dept. of CSE RRCE, Bangalore

Signature of HOD Dr. S Usha Prof. &HOD, Dept. of CSE RRCE, Bangalore

EXTERNAL VIVA-VOCE

Signature of Principal

Dr. R Belakrishen Prof. As driver Swari COREPGET SPENGINEERING Rambholit, Brogaldengaluru-74

ignatur 2023

Examiners: Dr. M. Sel

The Internet of Things (IoT), which gives farmers access to real-time data and insights about many parts of their farms, has emerged as a game-changer in the agricultural industry. The management of water content and soil condition are two important areas where IoT-based solutions have been implemented.

We provide an overview of an Internet of Things-based intelligent agricultural system for managing water content and tracking soil condition. The system is made up of a network of sensors and actuators that are placed in agricultural fields and used to gather and transmit information on different soil factors like moisture content, pH levels, and temperature. The sensors also gather information on the weather, which includes temperature and rainfall, all of which have a significant impact on soil moisture levels.

The information gathered by the sensors is then transmitted to a central computer, where machine learning techniques are used to process and analyse it. In order to help farmers manage their crops effectively, the algorithms give them actionable knowledge regarding the state of their soil. For instance, farmers can start smart irrigation techniques to give water to the crops based on their unique demands if the data shows that the soil is too dry.

The irrigation system also uses smart technology, which sends water to the crops based on how much moisture they need. This prevents overwatering and ensures that the crops receive the appropriate amount of water for growth. It also minimises water waste,

Overall, the IoT-based intelligent farming system for monitoring soil quality and controlling water content provides farmers with an economical and effective solution to manage their crops. The system enables farmers to make knowledgeable decisions regarding crop management, resulting in improved crop yields and a more sustainable agriculture sector by delivering real-time data and insights on soil conditions.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON "ENVIRONMENTAL MONITORING USING WIRELESS DEVELOPMENT MODULE WITH LoRaWAN"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted By

BHOOMIKA G K(1RR19CS023) CHANDANA R (1RR19CS028) BHARATHI R (1RR18CS026)

Under the Guidance of

Dr. S USHA Prof. & HOD, Dean Research Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSOREROAD, BANGALORE-560074

> (An ISO 9001:2008 Certified Institute)(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Certified that project work entitled "ENVIRONMENTAL MONITORING USING WIRELESS DEVELOPMENT MODULE WITH LoRaWAN"

Carried out by BHOOMIKA G K (IRR19CS023) CHANDANA R (IRR19CS028) BHARATHI R (IRR18CS026)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semestar.

Signature of guide

Dr. S Usha Prof. & HOD, Dean R&D Dept of CSE RRCE, Bengaluru

Signature of HOD

Dr. S Usha Prof. & HOD, Dean R&D Dept of CSE RRCE, Bengaluru

External Viva-Voice

Signature of Principal

Dr. R Balakrishna Prof. & Principal RRCE, Bengaluru Principal

RAJARAJESWARI COLLEGE OF ENGINEERING Pamehalli Cross, Bengaluru-7*

Signature

Examiners:

Jary selis

The Internet of Things (IoT)-based smart street light utilizing a LoRa chip is a system that uses the Long Range (LoRa) wireless communication protocol and IoT technologies to increase the efficiency of street lighting. A LoRa chip is used in this system to enable communication between the street lights and a central control unit. Long-range communication is made possible by the LoRa chip with little power consumption, making it appropriate for usage outside. Our research proposed the prototypes of a Long Range (LoRa) network for agriculture application, an agriculture service platform is developed to support environmental monitoring and to improve the efficiency of agricultural management. Which focuses on low-cost and effectiveness with multi-wireless environment sensor nodes in a network, each sensors node consisting of several sensors such as a soil moisture sensor, a temperature and humidity sensor, a raindrops sensor, and a LDR sensor.

The soil moisture sensor has been designed with 4 copper sensing-rods that a longest copper rod act as a ground signal level and other copper sensing-rods using for measures moisture at each soil depth. The different levels of soil depth with respect to the ground surface. As compare to Wi-Fi module, mobile communication, Bluetooth another wireless technique a Heltec LoRa esp32 sx1276 acts as a LoRa wireless communication module for long-range environment data transfer.

The proposed network that operating with two wireless communication frequency bands, 925.2MHz for node-to-gateway communication and 2.4GHz (WLAN) for gateway-to-cloud communication. Furthermore, the proposed network with three wireless sensor nodes and a single LoRa gateway was experimental. From the experimental results, the sensor node able to environmental sensing and transfer data to the gateway. The environmental data of soil moisture under the ground surface 20cm, 40cm, and 60 cm more than 90% accuracy compared to the standard instrument. Additionally, the LoRa transceiver range is approximately 600 meters (Non-line-of-sight: NLOS) and the LoRa gateway automatically transmits environmental data to the cloud storage every 15 seconds.

VISVESVARAVA TECHNOLOGICAL UNIVERSITY "Juana Saugama", Belagavis 590018



A PROJECT REPORT ON

"Deep Neural Network Model For Automatic Disease Detection In

Citrus Fruit And Leaves"

Submitted in partial fulfiliment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE & ENGINEERING

Submitted by SAHANA B M (IRR19CS124) SAHANASHREE (IRR19CS126) VAIDHEHI A (IRR19CS166) VOGITHA (IRR20CS407)

Under the guidance of:

Ms. Manasa G V Kumar

Asst. Professor Department of CSE RajaRajeswari College of Engineering



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074

(An ISO 9001:2008 Certified Institute) (2022-2023)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Juana Sangama", Belagavi- 590018



A PROJECT REPORT ON

"Deep Neural Network Model For Automatic Disease Detection In

Citrus Fruit And Leaves"

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COMPUTER SCIENCE & ENGINEERING

Submitted by SAHANA B M (IRR19CS124) SAHANASHREE (IRR19CS126) VAIDHEHI A (IRR19CS166) VOGITHA (IRR20CS407)

Under the guidance of:

Ms. Manasa G V Kumar

Asst. Professor Department of CSE RajaRajeswari College of Engineering



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute)

(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that Project work entitled "Deep Neural Network Model For Automatic Disease Detection In

Citrus Fruit And Leaves"

Carried out by SAHANA B M (IRRI9CS124) SAHANASHREE (IRRI9CS126) VAIDHEHI A (IRR19CS166) YOGITHA (IRR20CS407)

The bonafide student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the report. The technical seminar report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester of said degree.

anasa

Signature of guide Ms. Manasa G V Kumar Asst. Professor, Dept. of CSE RRCE, Bangalore

Signature of HOD Dr. S Usha Prof. &HOD, Dept. of CSE RRCE, Bangalore

EXTERNAL VIVA-VOICE

Examiners:

2. Dr. M. SELM 2. Dr. howlanna GJ

Signature of Principal Dr. R Balakrishna Prof. & Principali

Dept, of CALESWARI RRCE, Bangalore COLLEGE OF ENGINEERING Bamphalli Cross, Benijaluru-7/

Signature

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



"EYERIS: AN AID FOR BLIND ASSISTANCE"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING Submitted By LAMALI AKSHAYA (1RR19CS050) KV. HIMASAI (1RR19CS054) KIRAN N (1RR19CS065) MOHAMMED REEHAN ALAM (1RR19CS086)

Under the Guidance of

DR. KAMAL RAJ ASSOSICATE PROFESSOR

Dept. of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (2022-2023) RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "EYERIS: AN AID FOR BLIND ASSISTANCE" Carried out by

> LAMALI AKSHAYA (1RR19CS050) KV. HIMA SAI (1RR19CS054) KIRAN N (1RR19CS065) MOHAMMED REEHAN ALAM (1RR19CS086)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the

Eighth semester. · lama

Signature of guide

DR. KAMAL RAJ Associate professor Dept of CSE RRCE, Bengaluru

Signature of HOD

Dr. S USHA Prof. & HOD Dept of CSE RRCE, Bengaluru

Signature of Principal

DR.BALA KRISHANA Prof. & Principal RRCE, Bengaluru

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

External Viva-Voce

Examiners:

2. Dr. Gowerown hd

Signature

There is little aid for blind assistance, Therefore, it is necessary to put into action a tool that helps them with their daily tasks. There are existing systems and software that provide visual assistance for reading and accessing a few devices, but these systems lack when the disabled person wants to do some basic tasks like identifying the surroundings in front of them such as a person or object. Therefore, very few mechanisms are invented that aid communication between the blind person and the deaf-dumb person. This project is designed to aid and help a blind person or partially impaired eyesight. This system is developed to aid blind persons without a guardian needed. The software and hardware are designed in a way that helps to detect objects, people, and gestures in vision and recognize them. This is a method that implements object detection and person recognition. For communication between dead-dumb and blind people, we use Sign language which is detected and recognized, and the same is notified to the user. The object or sign is transmitted to a blind person in the form of audio. The idea is to make blind people's lives independent and affordable by offering them affordable solutions.

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We are thankful and convey sincere gratitude to the DR. BALA KRISHANA, Principal, Rajarajeswari College of Engineering, Bangalore.

We convey our sincere gratitude to DR.S USHA, Professor & Head, Department of Computer Science & Engineering, for her support and co-operation, valuable suggestion, and encouragement during the development of the project we also extend our thanks to her invaluable guidance to imbibe knowledge for the success of this project.

We convey our sincere thanks to DR.S USHA, Dean Research, Department of Computer Science & Engineering, for her meticulous support, continuing co-operation, valuable suggestion, and encouragement during the development of the project we also extend our thanks to her for her invaluable guidance to imbibe requisite knowledge for the success of this project.

We convey our sincere gratitude to **DR. KAMAL RAJ**, Associate Professor, Department of Computer Science & Engineering, for her meticulous support continuing co- operation, valuable suggestion and encouragement during the development of project. We also extend our thanks to her for invaluable guidance to imbibe the requisite knowledge for success of our project, as an internal guide.

We truly thank our parents who have encouraged us and supported in every stage of this project.

Last but not the least, our wishes to the entire Computer Science Department for their guidance, encouragement, inspiration and co-operation at all stages of the progress in this project without which it wouldn't have been a success.

Finally, we express our heartfelt regards to all those who helped us to complete this major project work successfully by providing support, suggestions, advice, guidance and needed encouragement.

> I AMALI AKSHAYA [1RR19CS050] KV HIMASAI [1RR19CS054] KIRAN N [1RR19CS065] MOHAMMED REEHAN ALAM [1RR19CS086]

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"Fast and Lightweight Human Pose Estimation"

Submitted in the partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Submitted by NAGASHREE S (IRR19CS093) NAYANA B C (IRR19CS095) PREETHI B SHETTY (IRR19CS106) PRIYANKA H K (IRR19CS108)

Under the Guidance of

Mrs. HEMAVATHLJ

Assistant Professor

Dept. of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING **MYSORE ROAD, BANGALORE-560074**

> (An ISO 9001:2008 Certified Institute) (2022-23)



RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"Fast and Lightweight Human Pose Estimation"

Carried out by

NAGASHREE S (1RR19CS093) NAYANA B C (1RR19CS095)

PREETHI B SHETTY (IRR19CS106)

PRIYANKA H K (1RR19CS108)

The student of "RajaRajeswari College of Engineering" in partial fulfilment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the

academic requirements in respect of project work prescribed for the Eighth semester.

Signature of the Guide

[Mrs.Hemavathi J] Assistant Professor,Dept. of CSE RRCE, Bangalore Signature of HOD [Dr.S Usha]

Prof.&HOD,Dept. of CSE RRCE, Bangalore

External Viva-voce

Signature of Principal

[Dr. R Balakrishna] Principal RRCE, Bangalore COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signatu

22/6/23

Examiners:

1. Dr. M.SELVI 2. Dr houranne hs

Although achieving significant improvement on pose estimation, the major drawback is that most top-performing methods tend to adopt complex architecture and spend large computational cost to achieve higher performance.

Due to the edge device's limited resources, its top-performing methods are hard to maintain fast inference speed in practice. To address this issue, we proposed the fast and lightweight human pose estimation method to maintain high performance and bear the less computational cost.

Especially, the proposed method consists of two parts, i.e., the fast and lightweight pose network (FLPN) for pose estimation and a novel lightweight bottleneck block for reducing computational cost, which can integrate the simple network and lightweight bottleneck into an efficient method for accurate pose estimation.

In terms of lightweight bottleneck block, we introduce the structural similarity measurement (SSIM) to refine the appropriate ratio of intrinsic feature maps and reduce the model size. Furthermore, an attention mechanism is also adopted in our lightweight bottleneck block for modelling the contextual information.

We demonstrate the performance of the proposed method with extensive experiments on the two standard benchmark datasets by comparing our method with state-of-the-art methods. On the COCO keypoint detection dataset, our proposed method attains a similar accuracy with these state-of-the-art methods, but the computational cost of these top-performing methods is more than 7 times that of ours.



ACKNOWLEDGEMENT

Any achievement, be it scholastic or otherwise does not depend solely on the individual efforts but on the guidance, encouragement and cooperation of intellectuals, elders and friends. A number of personalities, in their own capacities have helped me in carrying out this project.] would like to take this opportunity to thank them all.

I wish to express my profound gratitude to Dr. A.C Shanmugam, R.R.C.E, Bengaluru for his moral support towards completion of my internship.

I wish to express my profound gratitude to Dr. R Balakrishna, Principal, R.R.C.E, Bengaluru for his moral support towards completion of my internship.

I would like to express my deepest gratitude to Dr. S Usha, Head of Department, Computer Science and Engineering, R.R.C.E, Bengaluru, for his continuous support and encouragement.

I would like to acknowledge the unbridled enthusiasm of my guide Mrs. Hemavathi J, Assistant Professor, Department of Computer Science and Engineering, R.R.C.E, Bengaluru, for his encouragement and valuable guidance throughout my internship.

I thank my Parents, and all the teaching and non-teaching faculty members of Department of Computer Science and Engineering for their constant support and encouragement.

> NAGASHREE S (1RR19CS093) NAYANA B C (IRR19CS095) PREETHI B SHETTY (IRR19CS106) PRIYANKA H K (1RR19CS108)



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"CLINIVAULT: ELECTRONIC MEDIAL REPOSITORY"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted By

SAGAR K(1RR19CS122)

SANTOSH K (1RR19CS132)

SHANKARLING KALASHETTY(1RR19C134)

Under the Guidance of

Mr. Sunil A

Assistant Professor

Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"CLINIVAULT: ELECTRONIC MEDICAL REPOSITORY"

Carried out by

SAGAR K(1RR19CS122)

SANTOSH K(1RR19CS132)

SHANKARLING KALASHETTY(1RR19CS134)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the Seventh semester.

Signature of guide

[Mr. Sunil A] Asst. Prof., Dept. of CSE **RRCE**, Bangalore

Signature of HOD

Dr. S Usha Prof. & HOD, Dept. of CSE **RRCE**, Bangalore

External Viva-Voce

.....

Signature of Principal

[Dr. R Balakrishna] Principal RRCE, Bangalore Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74 Signature:

Allight

D. C.Y. IGISISS

Examiners:

Do AKJAN K.H

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-590018



A PROJECT REPORT ON "FAKE ACCOUNT DETECTION ON TWITTER USING

MACHINE LEARNING"

Submitted in partial fulfillment for the requirements for the award of the degree of

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE & ENGINEERING

Submitted By

SHREYANKA J T(1RR19CS141) SHRIDEV UDUPA E S(1RR19CS142) SOMESHWAR S(1RR19CS151) VINUSHREEE K(1RR19CS173)

> Under the Guidance of Dr. R BALAKRISHNA Principal, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (2022-23) RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"Fake Account Detection on Twitter Using Machine Learning"

Carried out by

SHREYANKA J T(1RR19CS141) SHRIDEV UDUPA E S(1RR19CS142) SOMESHWAR S(1RR19CS151) VINUSHREEE K(1RR19CS173)

The student of "RajaRajeswari College of Engineering" in partial fullfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of Guide

[Dr .R BALAKRISHNA] Principal Prof. & Principal BRCE, Bengaluru COLLEGE OF EINGINEERING Ramohalli Cross, Bengaluru-7/

Signature of HOD

[Dr. USHA SAKTHIVEL]

External Viva

Prof. &HOD RRCE, Bengaluru

Signature of Principal

[Dr.R BALAKRISHNA]

Prof. & Prof.

Signature Ravjech 1915/2013 Word 1915/23

Examiners: njeot Kurnar

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"LANE DETECTION AND SELF DRIVING APPLICATIONS FOR

ADAS"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted By

MONIKA N (IRR19CS089)

P S VIJAYRANGAN(1RR19CS099)

ROHAN R (IRR19CS118)

SPOORTHY K S (IRR19CS153)

Under the Guidance of Mrs. Megha L Assistant Professor Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING **MYSORE ROAD, BANGALORE-560074** (An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"LANE DETECTION AND SELF DRIVING APPLICATIONS FOR

ADAS"

Carried out by MONIKA N (IRR19CS089) P S VIJAYRANGAN(IRR19CS099) ROHAN R (IRR19CS118) SPOORTHY K S (1RR19CS153)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the Eighth semester.

d. Degre

Signature of guide

[Mrs. Megha L] Assistant Prof., Dept. of CSE **RRCE**, Bangalore

..... Signature of HOD

[Dr. S Usha] Prof. & HOD, Dept. of CSE RRCE, Bangalore

External Viva-Voce

......

Signature of Principal

[Dr. R Balakrishna] Principal Principal RRCEABARALESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74*

Signature:

M.W22 15/2023

Examiners:

marina GS

According to the WHO, 1.35 million people die in traffic accidents each year. Technology is improving every year, which has made it possible to integrate artificial intelligence even into cars. Significant development has occurred in recent years in creating lane detection algorithms that can precisely identify and track lane markings in vast variety of driving situations, including low light and bad weather. The deployment of self-driving vehicles based on ADAS technology has been carefully examined. Autonomous Vehicles are another name for the Self-Driving Cars. This vehicle has the capacity to perceive its surroundings. The various components in the car will operate according to these processed sensed characteristics without the need for a human operator. An autonomous vehicle functions similarly to a regular vehicle but has no human driver. The software section that makes up autonomous vehicles is essential. Between Hardware Components and Applications, the Software Architecture serves as a link. Self-Driving Cars include two vital components. These automatic functions, which operate without human intervention, are Lane Detection and Traffic Signal Detection. In this paper, a machine learning algorithm is proposed. This algorithm is mostly used to create shape algorithms to assist in lane detection and traffic sign detection by detecting shapes and lane. Both of these applications were developed in Python utilizing the OpenCV2, NumPy libraries, and CNN algorithm for Edge detection. Overall, lane detection is an important technology for the creation of ADAS and self driving applications. Ongoing research aims to increase the precision and robustness of these systems to guarantee their safety and dependability in actual driving situations.

Keywords: - Self-Driving, ADAS System, CNN, OpenCV, Lane Detection.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"Object Detection and Segregation Using R-CNN"

Submitted in the partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

By MD SAIF (1RR19CS080) LIYAKAT ALI(1RR19CS073) PREM KUMAR J (IRR19CS107) KUSH UPADHYAY(1RR19CS069)

Under the Guidance of Dr. Kirubha D. Associate Professor, Dept. of CSE, RRCE.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)



RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"Object Detection and Segregation Using R-CNN"

Carried out by

MD SAIF (1RR19CS080) LIYAKAT ALI (1RR19CS073) PREM KUMAR J (1RR19CS107) KUSH UPADHYAY(1RR19CS069)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the Eighth semester of Bachelor Of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

D. Ont-1215123

Signature of guide

[Dr. Kirubha D] Associate Professor, Dept of CSE, RRCE, Bangalore

Signature of HOD

Dr. R. Balakrishna Dr. S. USHA] Prof. & HOD, Dean(Research) COLLEGE & FANGINEERING Dept of CSE, RRCE, Bangalore amolRRCEzdBangbergaluru-7n

Signature of Principal

External Viva-Voce

1. Dr. M. SELV)

Examiners:

2. DY Gowsanna GJ

Signature M-W2215/2023 Gamanna 22/5/2015


ACKNOWLEDGEMENT

Any achievement, he it scholastic or otherwise does not depend solely on individual efforts but on the guidance, encouragement, and cooperation of intellectuals, elders, and friends. A number of personalities, in their own capacities, have helped us in carrying out this work. We would like to take this opportunity to thank them all.

We wish to express our profound gratitude to Dr. A.C Shanmugam, Chairman, R.R.C.E, Bengaluru for his moral support towards the completion of Our Project.

We wish to express our profound gratitude to Dr. R Balakrishna, Principal, R.R.C.E, Bengaluru for his moral support towards the completion of Our Project.

We would like to express our deepest gratitude to Dr. Usha Sakthivel, Head of Department, Computer Science and Engineering, R.R.C.E, Bengaluru, for her continuous support and encouragement.

We would like to acknowledge the unbridled enthusiasm of our Project guide Dr. Kirubha D, Associate Professor, Department of Computer Science and Engineering, R.R.C.E, Bengaluru, for her encouragement and valuable guidance throughout Our Project.

We thank our Parents, and all the teaching and non-teaching faculty members of the Department of Computer Science and Engineering for their constant support and encouragement. Last, but not least, We would like to thank our friends who provided us with valuable suggestions for our work during the Project.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON "DEVELOPMENT AND ANALYSIS OF POTHOLE DETECTION AND ALERT BASED ON NODEMCU"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING Submitted By

GANAVI C V (IRR19CS035) HARSHITHA JAYASREE R (IRR19CS045) HEMANTH R (IRR19CS047)

Under the Guidance of

Mrs. Hemavathi J

Assistant Professor Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "DEVELOPMENT AND ANALYSIS OF POTHOLE DETECTION AND ALERT BASED ON NODEMCU" Carried out by

GANAVI C V (IRR19CS035) HARSHITHA JAYASREE R (IRR19CS045) HEMANTH R (IRR19CS047)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Mrs. Hemavathi J Assistant Professor Dept of CSE RRCE, Bengaluru

10105/202

Signature of HOD

Dr. S Usha Prof. & HOD, Dean R&D Dept of CSE RRCE, Bengaluru

External Viva-Voice

Signature of Principal

Dr. R Balakrishna Prof. & Pfincipal^{II} RRCRABERGINEWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signatur

Examiners:

2. Dr Gowsanna GJ

ABSTRACT

The objective of this project is to develop an IoT-based pothole detection system that helps in identifying and alerting road users about the presence of potholes on the road. The system is designed using NodeMCU, an ultrasonic sensor, a GSM module, and a GPS module, which are integrated to detect potholes, capture the location of the potholes, and alert the user.

The system works by using the ultrasonic sensor to detect the presence of a pothole. When a pothole is detected, the GPS module captures the location of the pothole, and the GSM module sends a message to the user's phone, alerting them about the pothole's presence and providing the location information. This information can help road users to avoid the pothole and reduce the risk of accidents.

This system is an innovative solution to the problem of potholes on roads. By alerting road users about the presence of potholes, the system helps to improve road safety, reduce accidents, and save lives. The system is also cost-effective and can be easily implemented on existing roads without the need for significant modifications.

This project focuses on the development of an IoT-based pothole detection system that provides an efficient and effective solution for detecting potholes and alerting road users. The proposed system is expected to contribute significantly to road safety and help reduce accidents caused by potholes.

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"GRAPE LEAF DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING"

Carried out by

MUKTHA S (IRR19CS091)

MITALI SHARMA (IRR19CS083)

MANOJ GOWDA U K(1RR18CS073)

MOHAMMED SAYED S (IRRISCS076)

The students of "Rajarajeswari College of Engineering" in partial fulfilment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of the Guide [Mrs.M.Jeniga Gemsy Thepora] Assistant Professor, Dept. of CSE, RRCE



Signature of HOD [Dr.S Usha] Prof.&HOD, Dept. of CSE, RRCE

Signature of Print [Dr. R Balakri Principal,RRC Baigloreral RAJARAJESWA COLLEGE OF ENGIN Bamohalli Cysts, Ba

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"GRAPE LEAF DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING"

Submitted in the partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Submitted by

MUKTHA S (IRR19CS091)

MITALI SHARMA (IRR19CS083)

MANOJ GOWDA U K(1RR18CS073)

MOHAMMED SAYED S (IRR18CS076)

Under the Guidance of

Mrs.M.JENIGA GEMSY THEPORA

Assistant Professor Dept. of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (2022-2023)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "JnanaSangama", Belagavi-590018, Karnataka, India



A PROJECT REPORT

"AN EFFICIENT VIRTUAL DRESSING ROOM OF AUGMENTATION REALITY"

Submitted in the partial fulfillment of the requirement for the award of degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted by Mr. ADARSH MURTHY T M [1RR19CS005] Mr. AJAY M S [1RR19CS009] Mr. GOUTHAM M [1RR19CS039] Mr. GOVARDHAN G P [1RR19CS040]

> Under the Guidance of Mr. SHASHIDHAR V B.E. M.E., Assistant Professor Dept. of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARICOLLEGE OF ENGINEERING MYSORE ROAD, BANGALURU-560074 (An ISO 9001:2008 Certified Institute) (2022-2023) RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

"An Efficient Virtual Dressing Room of Augmentation Reality"

Carried out by Mr. ADARSH MURTHY T M [1RR19CS005] Mr. AJAY M S [1RR19CS009] Mr. GOUTHAM M [1RR19CS039] Mr. GOVARDHAN G P [1RR19CS040]

Bonafide students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University. Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of guide

[Mr. SHASHIDHAR V] Asst. Prof., Dept. of CSE RRCE, Bengaluru.

Examiners:

Dr. USHA SAKTHIVELI Prof. & HOD, Dept. of CSE RRCE, Bengaluru.

External Viva-Voce

Signature of HOD

Signature of Principal

RRCEAHEngaluru COLLEGE OF ENGINCERING Ramohalli Cross, Bengaluru-7

Signatu

Shanleare Gonda .S.R

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON "TRACKING AND MONITORING OF AGRICULTURAL FOOD SUPPLY DURING TRANSPORTATION USING IOT"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted By

SHAFIYA ASHUMA A (IRR19CS133) SUMAIYA NADEEM (IRR19CS157) YASHASWINI C E (IRR19CS178) SMARTHI B (IRR18CS136)

Under the Guidance of Mr. VM. SARAVANAPERUMAL

> Associate Professor Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

> (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"TRACKING AND MONITORING OF AGRICULTURAL FOOD SUPPLY DURING TRANSPORTATION USING IOT" Carried out by

SHAFIYA ASHUMA A (IRR19CS133) SUMAIYA NADEEM (IRR19CS157) YASHASWINI C E (IRR19CS178) SMARTHI B (IRR18CS136)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya TechnologicalUniversity, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide Mr. VM. SaravanaPerumal Associate Professor Dept. of CSE RRCE, Bengaluru

Signature of HOD Dr. Usha S HOD & Dean Research Dept. of CSE RRCE, Bengaluru

Signature of Principal Dr. R. Balakrishna Prof. & Principal RRCE, Bepghlethal BAJARAJESWARJ COLLEGE OF ENGINEERING Bamohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

Signatura

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018



A PROJECT REPORT ON

"FIRE AND GUN VIOLENCE BASED ANOMALY DETECTION SYSTEM USING DEEP NEURAL NETWORKS"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted By

R SHOBHA (1RR19CS112) SHRISTI J (1RR19CS143) SAHANA RAJA (1RR19CS125)

Under the Guidance of

Dr. D Kirubha

Associate Professor

Dept of CSE, RRCE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"FIRE AND GUN VIOLENCE BASED ANOMALY DETECTION SYSTEM USING DEEP NEURAL NETWORKS"

Carried out by R SHOBHA (1RR19CS112) SHRISTI J (1RR19CS143) SAHANA RAJA (1RR19CS125)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the

Eighth semester.

Signature of guide

[Dr. D Kirubha] Associate Professor Dept of CSE RRCE, Bengaluru

Signature of HOD

[Dr. Usha Sakthivel] Prof. &HOD Dept of CSE RRCE, Bengaluru

External Viva-Voce

Signature of Principal

[Dr. R Balakrishna] Prof & Principal RRCE, Bengaluru

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signatur

Examiners:

1. Dr. Garranna C

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Padmitha S	PV Sailakshuni	Kushala VK	Kavya C	Prashunth R S	Pavan M	Manoj M.R.	Manoj Kumar S	Stahma G S	Suprithu S	Monika M K	Nayana S R	Hollen Loukham	Gagan SJ	Dhanush D	Vivek M R	Hasavaraju M	Chundun J	Akanksh Sherry	Ajay A M	Nitish Yumnum	Muneeb Gull	Gowtham DM	Lohnith,N	Students Name (Batch wise)		Project Bate	ari College o Delhi, Gevt. of Karnataka, Affi alli Cross, Kumbalgodu,
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				Smart stairlift for disable/elderly people using: Node MCU				Recognization of ADHD				Robot for the traetment of Communicable Diseased patients					Control of Long Hange Quadcopter Using Node MCU			cloud Computing	for based integrated Health care monitoring wytem on			Title of the Project		cation Engineering ar 2022-23	al University, Belagavi) 50074

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EV Charging using solar energy	Dr. D Sobya	Roopa .R	1RR19EC065	B6
		Poorva Pai	1RR19EC053	
		Sherlin Jagath J	1RR19EC072	
using piezoelectric sensors	Dr. Sumitha Manoj	Sanjana H	IRR19EC069	B5
Power Concession through Human locomotio		Prathyusha H Kumar	IRR19EC058	
		Prajwal Prasad R	IRR19EC056	
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		Yashas J	IRR19EC103	
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Implementation AES 256 on FPGA	Dr Vilava S M	TEJAS I TELKAR	1RR19EC090	2
		SWETHA S	1RR19EC088	
		Surya D	1RR19EC085	
Outlier detection for different applications	Dr. Muruganandham A	Amaresh Sarawad	IRR19EC006	B2
		Vinay HR	1RR19EC100	
		Sukruthi R Gowda	1RR19EC082	
billing system	DI. Naligatati L	Varnitha M Shet	1RR19EC095	19
Automatic milk quality analyzing with	D- Danasiah I	Sonali S	1RR19EC079	
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Title of the Project	Guide Name	Name Of The Students	USN	Batch No.
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SADHANA R

Prof. V Sripathi

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Department of Electronics & Communication Engg.

edited by

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NBA ACCREDITED Dept.

18ECP78 - PROJECT WORK Academic Year 2022-2023

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi – 590018



"FOREST FIRE DETECTION USING OPTIMIZED SOLAR POWERED WIRELESS SENSORS NETWORKS AND LORA TECHNOLOGY"

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Sabasi	tted by
RAHUL M R	(1RR19EC061)
SUJAY G S	(IRRI9ECONT)
MADESH N	(1RR20EC400)

Under the guidance of

MRS. VANI S BADIGER Assistant Professor dept of ECE



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Phase 2 Project Report on

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ELECTRONICS AND COMMUNICATION ENGINEERING

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RAHUL M R	(IRR19EC061)
SUJAY G S	(IRR19EC081)
MADESH N	(IRR20EC400)

Under the guidance of

MRS. VANI S BADIGER Assistant Professor dept of ECE



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ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FOREST FIRE DECTECTION USING SOLAR POWERED WIRELESS SENSORS NETWORK AND LORA TECHNOLOGY" is a bonafide work carried out by RAHUL M R (IRR19EC061), SUJAY G S (IRR19EC081), MADESH N (IRR20EC400) in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Mrs. Vani S Badiger

815/23 Signature of the HOD

Dr.L. Rangaiah

Signature of the Principal

Dr. R. Balakrishna RAIARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Name of the Examiners:

1. Dr Rangariah L 2. Dr Streedhar Kubbur

Signature with date:

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi — 590018



A Project Report on

AUTOMATIC MILK QUALITY ANALYZING WITH BILLING SYSTEM

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERIN

Submitted by

SUKRUTHI R GOWDA	(IRR19EC082)
SONALI CHAVAN S	(IRR19EC079)
VARNITHA M SHET	(IRR19EC095)
SNEHA G	(IRR19EC077)

Under the guidance of

Dr. L. RANGAIAH Professor and Head Department of ECE



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



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SNEHA G	(IRR19EC077)

Under the guidance of Dr. L. RANGAIAH Professor and Head Department of ECE



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2022-2023

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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled AUTOMATIC MILK QUALITY ANALYZING WITH BILLING SYSTEM is a bonafied work carried out by SUKRUTHI R GOWDA(IRR19EC082), SONALI CHAVAN S(IRR19EC079), VARNITHA M SHET(1RR19EC095), SNEHA G(1RR19EC077), in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide UIS Signature of the HOD

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Dr. L. Rangaiah

Dr. L. Rangaiah

Signature of the Principal

Dr. Balakrishna R RAJARAJESWARI COLLEGE OF ENGINEERING Tamoballi Gross With date: 74 ceell 23

Name of the Examiners: 1. Dr Rangascht 2. Doe Shaila k

51/05/2020

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



Project Report on

"Implementation of ChaCha and DES ciphers for Cryptographic Authentication"

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

MEGHANA N NUTHANA G N PAVITHRA P POOJA R

(1RR19EC037) (1RR19EC046) (1RR19EC050) (1RR19EC052)

Under the guidance of

Prof.CHAITHANYA S Assistant Professor Department of ECE



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



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Submitted by

MEGHANA N

NUTHANA G N (IRR19EC046)

PAVITHRA P

(IRR19EC050)

(IRR19EC052)

(IRR19EC037)

POOJA R

Under the guidance of Prof.CHAITHANYA S

Assistant Professor Department of ECE



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ELECTRONICS & COMMUNICATION ENGINEERING



This is to certify that the project work entitled "IMPLEMENTATION OF CHACHA AND DES CIPHER FOR CRYPTOGRAPHIC AUTHENTICATION" is a bonafide work carried out by MEGHANA N (IRR19EC037), NUTHANA G N (IRR19EC046), PAVITHRA P (RR19EC050), POOJA R (IRR19EC052) in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022—2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

S. chathary fizz

Signature of the Guide

Prof. Chaithanya S

ealf (15/23

Signature of the HOD

Dr. L. Rangaiah

Signature of the Principal

Dr. R Balakrishna RAJARAJESWARI COLLEGE OF CHICAGE CHING Ramohol

Signature with da

Name of the Examiners: 1. Dr.Shree Dhur Kebbur

2. Dr. A. Hungenenthem

DECLARATION

We, MEGHANA N (IRR19EC037), NUTHANA G N (IRR19EC046), PAVITHRA P (RR19EC050), POOJA R (IRR19EC052) students of 8^s semester BE in Electronics and Communication Engineering, **RajaRajeswari College of Engineering**, **Bengaluru** hereby declare that the project work entitled "IMPLEMENTATION OF CHACHA AND DES CIPHERS FOR CRYPTOGRAPHIC AUTHENTICATION" submitted to the Visvesvaraya Technological University during the academic year 2022-23, is a record of an original work done by us, under the guidance of Prof. Chaithanya S, Assistant Professor Electronics & Communication Engineering, RajaRajeswari College of Engineering, Bengaluru. This project work is submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Electronics & Communication Engineering. The results embodied in this have not been submitted to any other University or Institute for the award of any degree.

NAME OF THE STUDENTS WITH SIGNATURE

MEGHANA N

NUTHANA G N

PAVITHRA P

POOJA R

(1RR19EC046) (1RR19EC050)

(IRR19EC037)

(1RR19EC052)

Nuthana GNI

DATE: 24 05 2003 PLACE: BENGALURU

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



Project Report on "STOCKPILE TRACK OFF APPROACH"

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

RITHIN D	(1RR19EC064)
SADHANA R	(1RR19EC066)
SHWETHA	(1RR19EC076)
SURIYAPRABHA S	(1RR19EC084)

Under the guidance of

V SREEPATHI Asst. Professor Dept. of ECE



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagvi, Approvedby AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



Project Report on "STOCKPILE TRACK OFF APPROACH"

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

RITHIN D(IRR19EC064)SADHANA R(IRR19EC066)SHWETHA(IRR19EC076)SURIYA PRABHA S(IRR19EC084)

Under the guidance of

V SREEPATHI Asst. Professor Dept. of ECE



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagvi, Approvedby AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhij #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project work entitled "STOCKPILE TRACK OFF APPROACH" is a bonafied work carried out by RITHIN D (1RR19EC064), SADHANA R (1RR19EC066), SHWETHA (1RR19EC076), SURIYAPRABHA S (1RR19EC084) in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Mr. V Sreepathi

Signature of the H

Dr. L. Rangaiah

Signature of the Principal

Dr. Balakrishna R RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Name of the Examiners: 1. Deshreedhul Kubbur

2 Dr. A. Hunger and hom

Signature with date 24/5/22 24/10/2

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi – 590018



Final Project Report on

"CAN BASED AUTOMOTIVE SURVEIL" Submitted in partial fulfilment of the requirement for the award of degree of BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

SWATHI J SPANDANA C S SVED AVEZ HUSSAIN TOUSIF ALI MUZAWAR (1RR19EC087) (1RR19EC080) (1RR19EC089) (1RR19EC082)

Under the guidance of

Prof. AJAY M Assistant Professor Dept. of ECE



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagvi, Approved by AICTE, New Delhi]#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "CAN BASED AUTOMOTIVE SURVEIL" is a bonifide work carried out by SWATHI J (IRR19EC080), SPANDANA C S (IRR19EC080), SYED AVEZ HUSSAIN (IRR19EC089), TOUSIF ALI MUZAWAR (IRR19EC092) in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Ajay M

Signature of the HOD Dr. L. Rangaiah

Signature of the Principal Dr. R. Balakrishna Principal RAJARAJESWARI COLLEGE OF ENGINEERING Tamohalli Cross, Bengaluru-7/

Signate with date: Dast

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Name of the Examiners: 1. Dr. Shrichur Kubbur 2. Dr. Kangarah L

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(Approved by AICTE, New Delhi, Govt. of Kurnataka, Affiliated to Visvessraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 **Department of Mechanical Engineering**



Ref: RRCE/ME/AY:2022-23/ST/8thsem/No.7

Date: 15/02/2023

Details
Project
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Guide signature	-ACH-	11.	200	1		5	3	.)		(in	~ /		jog	and the	je je
Project Title			FUNCTIONAL HEXACOPTER	DRONE		DESIGN AND FABRICATION OF TWO AXIS PNEHMATIC	MODERN TILTING TRAIKER	t		MAXIMISED PRODUCTION OF	ABSORBER TUBES OF A FLAT	COLLECTOR		DEVELOPMENT OF ORIGAMI	INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF	<u>}</u>
Guide Name			Dr. Ramesh C				Dr.Vishwanath K.C				Reddy				Dr.Satheesha V	
Student Name	KIRAN B H	SAAICHARAN V	NAVEEN KUMAR R	SURYAR	DARSHAN RATHOD B U	SANDEEP V S	SARATH KUMAR V	VISHNU S R	KISHAN S	ARPAN KARMAKAR T	MOHIN KHAN	VAISHNAVI NAGUR	ABINT	HARIKRISHNA NAYAK	RAHUL S	SIDDARTH S
NSU	1RR19ME007	1RR19ME018	1RR19ME012	IRR17ME115	1RR19ME003	1RR19ME020	1RR19ME021	1RR19ME023	1RR18ME020	1RR19ME002	1RR19ME010	1RR19ME022	1RR19ME001	IRR19ME005	IRR19ME017	1RR18ME053
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(Approved by AICTE, New Delhi, Gavt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Department of Mechanical Engineering



ProHub-MEad Bept. of Mechanical Engineertan RAJARAJESYMMU COLLEGE OF Kumhenseertan

(pf.K.S. Madhu

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JnanaSangama, Belagavi - 590018



Final Project Report on

"Development of Multi-functional Hexacopter Drone"

Submitted in partial fulfillment of the requirement for the award of deree of BACHELOR OF ENGINEERING

Z

MECHANICAL ENGINEERING

Submitted by

IGI/ IN MAL	DD10ME0181
EN KUMAR (1R)	RR19ME012)

Under the Guidance of

Dept. of Mechanical Engineering Prof. & Head of the Department Dr. RAMESH C





Accredited by NBA & NAAC, Affiliated to VTU, Belagvi, Approved by AICTE, New Delhil

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2022-2023

DEPARTMENT OF MECHANICAL ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delbi] RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

(IRR19ME012), SURYA R (IRR17ME115), bearing in the partial fulfiliment of 2th the report deposited in the departmental library. The Project report has been approved as it entitled, "DEVELOPMENT OF MULTI FUNCTIONAL HEXACOPTER DRONE" is a bonafide work carried out by, KIRAN B Semester, Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University (VTU), Belgaum during the academic year 2022-23. It iscertified that all corrections / suggestions indicated for internal assessment have been incorporated in H (IRR19ME007), SAAICHARAN V (IRR19ME018), NAVEEN KUMAR This is to certify that project work

satisfies the academic requirements.

Signature of the Guide Dr. Ramesh C)

Signature of the HOD

(Dr. Ramesh C)

201201202 Signature of the Coordinator Ratharely

(Dr. Satheesha V)

L

Signature of the Principal Principal COLLEGE OF ENGINEERING (Pr), R., Belgky (shna)

Signature with date Keninder 25/5/2 Ramohalli Cross, Bengaluru-7/

Name of the Examiners: 1. K-S. Woudhu

Manjeroter

ri

PROJECT REPORT

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DESIGN AND FABRICATION OF TWO AXIS PNEUMATIC MODERNTHLING

TRAILER"

Submitted 3

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELGAUM



In the partial fulfiltment of the requirement for the

FINAL YEAR REPORT

MECHANICAL ENGINEERING

Submitted by

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19ME021) 19ME020)

19ME003)

19ME023)

Under the Guidance

5

Dr.VISHWANATH K C Associate Professor

Department of Mechanical Engineering

NOWLEDEE 15 POINTS

DEPARTMENT OF MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALAGODU, BENGALURU - 560074.

2022-23
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074. (Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Dethi) RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

assessment have been incorporated in the report deposited in the departmental library. The Project work phase-2 report has been approved as it satisfies the academic requirements in Engineering of the Visvesvaraya Technological University (VTU), Belgaum during the academic year 2022-23. It is certified that all corrections / suggestions indicated for internal (IRR19ME023),bearing in the partial fulfillment of 8th Semester, Mechanical Certified that the project work phase 2 entitled, "DESIGN AND FABRICATION OF TWO AXIS PNEUMATIC MODERN TILTING TRAILER", is a bonafide work carried out in the department by, DARSHAN RATHOD B U (1RR19ME003), SANDEEP V S (1RR19ME020), SARATH KUMAR V (1RR19ME021),VISHNU S respect of project work prescribed 8th Semester, Mechanical Engineering.

Signature of the Guide

(Dr.VISHWANATH K C)

Signature of the HOD

(DR. RAMESH C)

Examiners:

External Viva-Voce

RAJARAJESWARI

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Ramohalli Cross, Bengaluru-74

Signature

COLLEGE OF ENGINEERING

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K3: R

(DR. R. BALAKRISHNA)

Signature of the Principal

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(DR. SATHEESHA V)

25/20/20 Signature of the Coordinator 2 Headly

PROJECT REPORT

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"MANIMISED PRODUCTION OF HOT WATER USING A NOVEL ABSORBER TUBES OF A FLAT PLATE COLLECTOR"

Project Sponsored By

Karnataka State Council for Science and Technology ತಂತ್ರವಿದ್ಯಾ ಮಂಡಳಿ हरात्राह कल, उख्तु संग्रे



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



IN PARTIAL FULLFILLMENT OF THE REQUIREMENT FOR THE

8TH SEMESTER

MECHANICAL ENGINEERING

ARPAN KARMAKAR.T (IRR19ME002)

SUBMITTED BY

(1RR18ME020)

(IRR19ME022)

(IRR19ME010)

MOHIN KHAN

VAISHNAVI N

KISHAN N

RAJARAJESWARI COLLEGE OF ENGINEERING

8

KUMBALAGUDU, BENGALURU-560074

DEPARTMENT OF MECHANICAL ENGINERING

Dr. N. SREENIVASALU REDDY

UNDER THE GUIDANCE OF

ASSSOCIATE PROFFESSOR IN

RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belgavi, Approved by AICTE, New Delhi] #14, RAMOHALLI CROSS, MYSORE ROAD, KUMBALAGODU, BENGALURU

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

satisfies the academic requirements in respect of project work prescribed 8th Semester, the report deposited in the departmental library. The project report has been approved as it that all corrections / suggestions indicated for internal assessment have been incorporated in Certified that the project work entitled, MANIMISED PRODUCTION OF HOT WATER (IRR18ME020), VAISHNAVI N (IRR19ME022), MOHIN KHAN (IRR19ME010) bearing in the partial fulfillment of 8th Semester, Mechanical Engineering of the Visvesvaraya Technological University (VTU), Belgavi during the academic year 2022-23. It is certified USING A NOVEL ABSORBER TUBES OF A FLAT PLATE COLLECTOR. is a bonafide work carried out in the department by, ARPAN KARMAKAR.T (IRR19ME002), KISHAN N Mechanical Engineering.

Dr. N. Sreeniertsalu Reddy

Signature of guide

Ramohalli Cross, Bengaluru-74 COLLEIEPOPPERERERIER Dr. R.Balakrishna

-S. Noullin Manfinal N Name of Examiner

EXTERNAL VIVA

Dr. Satheesha

Signature of coordinator

EGE OP

Della della

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E St Signature with date Signature of HOD Bengality - L.

24/9/2

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UG PROJECT REPORT

0n

"THE DESIGN AND DEVELOPMENT OF ORIGAMI INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF"

Submitted

2

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



In the partial fulfilment of the requirement for the award

of the degree

BACHELOR OF ENGINEERING

5

MECHANICAL ENGINEERING

Submitted by

ABIN T	(1RR19ME001)
HARIKRISHNA NAYAK	(1RR19ME005)
RAHUL S	(1RR19ME017)
the second of the second of	(C20324010101010

SIDDARTHS

(IKKI8ME023)

Under the Guidance

Department of Mechanical Engineering Associate Professor UNIC .

DEPARTMENT OF MECHANICAL ENGINEERING

P

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALAGODU, BENGALURU - 560074

2022-23

DR. SATHEESHA V

5

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.

DEPARTMENT OF MECHANICAL ENGINEERING



Certified that the project work entitled, "THE DESIGN AND DEVELOPMENT OF for internal assessment have been incorporated in the Report deposited in the fulfilment for the award of Bachelor of Engineering/ Bachelor of Technology in Mechanical Engineering of the Visvesvaraya Technological University (VTU), Belagavi during the academic year 2022-23. It is certified that all corrections/suggestions indicated departmental library. The project report has been approved as it satisfies the academic carried out by Mr. ABIN T, (IRR19ME001), Mr. HARIKRISHNA NAYAK, a bonafide student of RAJARAJESWARI COLLEGE OF ENGINEERING in partial ORIGAMI INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF (IRR19ME005), Mr. RAHUL S, (IRR19ME017), Mr. SIDDARTH S (IRR18ME053), requirements in respect of Project work prescribed for the said degree.

3 25/5/23 22 Signature of the Coordinator Signature of the Principal co(Dr. R. Balakrishna) LAH . Signature with date (Dr. Satheesha V) 6 Cathor . External Viva - Voce: Signature of the Guide K.S. Mord Name of the examiner Manjundler Signature of the HOD (Dr. Satheesha V) (Dr. Ramesh C) N

PROJECT WORK PHASE-2 REPORT

0

"ENHANCEMENT OF HEAT TRANSFER USING WAVY SHAPED RECIEVER TUBE OF PARABOLIC TROUGH COLLECTOR"

Submitted

2

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELGAUM



In the partial fulfillment of the requirement for the 8th SEMESTER

MECHANICAL ENGINEERING

Submitted by

KAUTUK GAONKAR **B V NAVTHEJ** DARSHAN V AJAY KP

(IRR18ME013) (IRR19ME013) (IRR18ME001) (IRR18ME017)

Under the Guidance

5

Associate Professor Mr. Dhananjay B S

Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

WOWLEDGE IS POWER

KUMBALAGODU, BENGALURU - 560074.

2022-23

(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi) RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work phase 2 entitled, "ENHANCEMENT OF HEAT TRANSFER USING WAVY SHAPED RECIEVER TUBE OF PARABOLIC TROUGH COLLECTOR", is a bonafide work carried out in the department by, AJAY K (IRR19ME013), DARSHAN V (IRR18ME013), bearing in the partial fulfillment of 8th P (IRR18ME001), KAUTUK GAONKAR (IRR18ME017),B V NAVTHEJ Semester, Mechanical Engineering of the Visvesvaraya Technological University (VTU), Belgaum during the academic year 2022-23. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project work phase-2 report has been approved as it satisfies the academic requirements in respect of project work prescribed 8th Semester, Mechanical Engineering

M M M M M Guide

(Mr Dhananjay B S)

Signature of the HOD M. W. Marter

(DR. RAMESH C)

KSMOO Man Examiners:

External Viva-Voce

Signature of the Coordinator (DR. R. BAHAKBISHNA) Signature of the Principal (DR. SATHEESHA V) Selend 0:1

20

Ramohadi Cross, Bergaluru-7/ COLLEGE OF ENGINEERING RAJARAJESWARI

25/15/23 ed 2/28 KN Signature

PROJECT WORK PHASE-2 REPORT

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"FABRICATION AND DEVELOPMENT OF AUTOMATICSHOE

CLEANING AND POLISHING MACHINE"

Submitted

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELGAUM



In the partial fulfillment of the requirement for the 8th SEMESTER

MECHANICAL ENGINEERING

Submitted by

MOHAMMED MUSTAFA MANNAN MOHAMMED IRFAN F ABHISHEK A THMA

(IRR19ME009) (1RR18ME005) (IRR19ME004) (1RR19ME008)

Under the Guidance

5

Department of Mechanical Engineering Prof. Praveen Kumar S P Associate Professor



DEPARTMENT OF MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALAGODU, BENGALURU - 560074.

2023-23

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074. (Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi) RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Belgaum during the academic year 2022-23. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project work phase-2 report has been approved as it satisfies the academic requirements in respect of project work prescribed 8th Semester, Mechanical MUSTAFA MANNAN (IRR19ME009), bearing in the partial fulfillment of 8th Semester, Mechanical Engineering of the Visvesvaraya Technological University (VTU), AND is a bonafide work carried out in the department by, AMIT A (IRR18ME005), F ABHISHEK (IRR19ME004), MOHAMMED IRFAN (IRR19ME008), MOHAMMED DEVELOPMENT OF AUTOMATIC CLEANING AND POLISHING MACHINE" Certified that the project work phase 2 entitled, "FABRICATION Engineering

Argument of the Guide

(Prof. Praveen Kumar S P)

Signature of the HOD

(DR. RAMESH C) ÷

External Viva-Voce

East providence Star

Examiners:

Nanjust. N

Signature of the Principal (DR. SATHEESHA V)

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Settloogler

Signature of the Coordinator

samohalii Giove, Beng-Juru-77 (DR. R. BAEAKRISHNA) COLLEGE OF ENCINEERING RAJARAJESWARI

525 Ulan stra Signaturo

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELGAUM



PROJECT WORK PHASE-2 REPORT

no

"Self Balancing Two Wheee"

8th SEMESTER MECHANICAL ENGINEERING In the fulfillment of the requirement for the

Submitted by

R.karthikeyan

(1RR19ME006)

Prajwal Gowda ML

(IRR19ME032)

Under the Guidance of Dr RAMESH C Assistant HOD

Department of Mechanical Engineering

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING

NEDGE IS POM

KUMBALAGODU, BENGALURU - 560074.

2022-23

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074. (Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi) RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



Certified that the mini project work entitled, "Self Balancing Two wheeler", is a bonafide work carried out in the department by, R.karthikeyan(1RR19ME006), Prajwal gowda ML (IRRISME032)

T

CERTIFIC

bearing in the partial fulfillment of 8th Semester, Mechanical Engineering of the 2022-23. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project Visvesvaraya Technological University (VTU), Belgaum during the academic year work phase-1 report has been approved as it satisfies the academic requirements in respect of project work prescribed gth Semester, Mechanical Engineering.

ignature of the Guide (Dr.Ramesh C)

+ Signature of the HoD

(Dr.Ramesh C)

A X UM

w. Henry

e of the Coordinator Signature of the Principal (Dr. R. Balakrishna) : Satheesha V)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum-590018



PROJECT REPORT ON

"FABRICATION OF GROUND NUT PLUCKING AND SORTING MACHINE"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

5

MECHANICAL ENGINEERING

Submitted By

(1RR19ME014)	(IRR19ME015)	(1RR19ME016)
N HTNAHSIN	POORVIK S B	PRADVOTHA A

SACHIDANANDA D S (IRR19ME019)

Under the guidance of

K S MADHU Associate Professor Dept. of ME RRCE



OF ENGINEERING MYSORE ROAD, BANGLORE-560074 (An IOS 9001:2008 Certified Institute) RAJARAJESWARI COLLEGE 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE 560074 (An ISO 9001:2008 Certified Institute)



. ENGINEERING

CERTIFICATE DEPARTMENT OF MACHANIZON

Certified that the project work entitled

"FABRICATION OF GROUND NUT PLUCKING AND SORTING MACHINE"

Carried out by

(IRR19ME014)	(1RR19ME015)	(1RR19ME016)	A D S (IRR19ME019)
N HTNAHSIN	POORVIK S B	PRADYOTHA A	SACHIDANAND.

The students of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visveswaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of the Guide

20/28

Saflaceler

Signature of the Coordinator

(Dr. Satheesha V)

(Prof. K.S Madhu)

n. f. When-

Signature of the HoD

Signature of the Principal

REA R

(Dr. R p.Retakrishna)

(Dr.Ramesh C)

COLLEGE OF ENGINEERING

RAJARAJESWARI

Examiners:

External Viva-Voce

K.S. Moolhu

Manimathin

Tamohalli Signafaragajuru. Lafed assista 325

RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

DEPARTMENT OF MECHANICAL ENGINEERING



Department of Mechanical Engineering

Assistant Professor

RADHAKRISHNA R K

Under the Guidance of

(IRR18ME027) (IRR18ME018) (IRR18ME058) NAVEEN KUMAR S K MURGESH Y M KAVANA KS YUGAL H

(IRR19ME011)

Submitted By

MECHANICAL ENGINEERING

In the partial fulfitment of the requirement for the award of the Degree

BACHELOR OF ENGINEERING

III

*EVALUATION OF SOME THERMAL AND FRACTURE TOUGHNESS PROPERTIES

no

Project Report

OF HYBRID FIRER COMPOSITES"

Submitted

JNANASANGAMA, BELGAUM-590014, KARNATAKA.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

2

(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi) #14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074. RAJARAJESWARI COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Calific Certified that the mini project work entitled, STUDY OF THERMAL AND FRACTURE TOUGHNESS PROPERTIES OF HYBRID FIBER COMPOSITES", is a bonafide work carried out in the department by, MURGESH Y M (IRR19ME011), KAVANA K S (IRRISME018), NAVEEN KUMAR S K (IRRISME027), YUGAL H (IRRISME058), bearing in the partial fulfilment of 7th Semester, Mechanical Engineering of the Visvesvaraya Technological University (VTU), Belgaum during the academic year 2022-23. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project work phase-1 report has been approved as it satisfies the academic requirements in respect of project work prescribed 7th Semester, Mechanical Engineering.

Signature of the Guide

(Prof. Radhakrishna R K)

Signature of the HOD

(Dr. C. Ramesh) ×

Signature of the Coordinator

(Prof. Madhu K S)

Signature of the Principal (Dr.R. Balakrishna)

Domin-72 DMIUSCI. RAIARAJESVUNRI COLLEGE OF

Ramohali 26

External Viva-voce

Modu west N Examiners ÷



RajaRajeswari College of Engineering





#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

Department of Master of Computer Applications

S.No	USN	Name	Guide Name	Titles
1	1RR21MC001	A Rajkumar	Mrs. Deepa K R	Deep Learning based attack detection for Cyber physical system cyber security
2	1RR21MC002	Abhishek S	Mrs. Deepa K R	Traffic Accident Risk Prediction Using Machine Learning
3	1RR21MC004	Amrutha S	Mrs. Deepa K R	Predicting Stock market trends using continuos and binary algorithms
4	IRR21MC005	Anusha S	Mrs. Deepa K R	Toxic Speech Classiffication Using Machine Learning
5	1RR21MC006	Archana R	Mrs. Deepa K R	Machine Learning Algorithm Evaluation For Detection of Fake Bank Currency
6	1RR21MC007	Ashish krishna P	Mrs. Deepa K R	SDN Shield : NFV Based Defense Framework Against DDoS Attacks on SDN Control Plane
7	1RR21MC008	Bhavana G	Mrs. Deepa K R	Spammer Detection and Fake User Identification on Social Networks
8	1RR21MC009	Bhavaya C	Mrs. Deepa K R	Master Face Attacks on Face Recognition Systems
9	1RR21MC010	Bhavyashree V	Mrs. Deepa K R	A Malware Detction Approach using Authoencoder in Deep Learning
10	1RR21MC011	Chandan K	Mrs. Deepa K R	DSAS : A secure Data sharing and Authorized searchable Framework for e-Health
11	1RR21MC012	Chandana K L	Dr. T. Subburaj	Fake Job Post Prediction using Random Forest Classification Method
12	IRR21MC013	Chandana N L	Dr. T. Subburaj	Real Time Human Detection and Counting
13	1RR21MC014	Darshan P	Dr. T. Subburaj	Water Quality Classification Using SVM amd XGBoost Method
14	IRR21MC015	Deeraj C	Dr. T. Subburaj	BIRD BOOK
15	IRR21MC016	Dhanushree R S	Dr. T. Subburaj	Real Time Passenger Train Delay Prediction Using Machine Learnig : A Case Study with Amtrak Passenger Train Routes
16	1RR21MC017	Diana Jennifer S	Dr. T. Subburaj	Detection of Phishing Websites Using Machine Learning
17	1RR21MC018	Faisal Pasha A	Dr. T. Subburaj	Prediction of used car Prices Using Artificial Neural Networks and Machine Learning
18	1RR21MC019	Gagan G R	Dr. T. Subburaj	Heart Disease Prediction Using Machine Learning and Data Anlaystics Approach
19	1RR21MC020	Girish	Dr. T. Subburaj	Enhancing Academic Achievement : An Automated Student Tracking Control System
20	IRR21MC021	Harsha M	Dr. T. Subburaj	Efficient Thyroid Disease Prediction Using Features Selection and Meta Classifiers

Project List



RajaRajeswari College of Engineering (Approved by AICTE, New Defid, Govt, of Rarmataka, Affiliated to Vieweswaraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074



Department of Master of Computer Applications

21	IRR21MC022	Harshavardhana R	Dr. Annu sharma	Electricity theft Detection in smart grids basd on deep neural networks
22	1RR21MC023	Harshitha H N	Dr. Anu Sharma	Automated Bird Species Identification using AudioSignal Processing and Neural Network
23	1RR21MC024	Harshitha P V	Dr. Annu Sharma	plant Disease Detection and classification Using Machine Learning Algorithm
24	1RR21MC025	Jaishankar M	Dr. Annu Sharma	Recognise the Speech Emotion Using Support Vector Machine
25	1RR21MC026	Javeed Pasha	Dr. Annu Sharma	DL-Guess : Deep Learning and Sentiment Analysis Based Cryptocurrency Price Prediction
26	1RR21MC027	Jayashree	Dr. Annu Sharma	Smart Contract based Agricultural Food Supply Chain Traceability
27	1RR21MC028	Jyoti A Desai	Dr. Annu Sharma	Fraud Detection on Bank Payments Using Machine Learning
28	1RR21MC029	Likhitha K B	Dr. Anu Sharma	Pneumonia Detection using Deep Learning
29	1RR21MC030	Madhu Srinivas	Dr. Annu Sharma	Underwater Image Classification based on CNN Algorithms
30	1RR21MC031	Madhukumar A P	Dr. Anu Sharma	Cardless Transaction Using Biometric triats for Authentication
31	1RR21MC032	Mahadev Prasad H S	Mr.Shreedhar	Deep Learning for Road Traffic Forecasting : Does it make a differece?
32	1RR21MC033	Mallikarjun B	Mr.Shreedhar	A Responsive Web View Application for Orphanage connecting and Adaption
33	1RR21MC034	Manoj	Mr.Shreedhar	Symptom Based Explainable Artificail Intelligence Model for Leukemia Detection
34	1RR21MC035	Meghana R	Mr.Shreedhar	Air quality Prediction based on Machine Learning
35	1RR21MC036	Monika R	Mr.Shreedhar	Health Care GPT
36	IRR21MC037	Niranjan R	Mr.Shreedhar	MorseSpectraNet: A Concordant Synapse Morse Recognition and Detection Network by Deep Learning
37	1RR21MC038	Nisarga B	Mr.Shreedhar	Privacy Prevention Data Encryption Strategy for Big Data in Mobile cloud Computing
38	1RR21MC039	Nischitha A P	Mr.Shreedhar	Crop Yield Prediction and Fertilizer Prediction
39	1RR21MC040	Nischitha M	Mr.Shreedhar	A Data Analystics Strategy to the Underground Economy of Cybercrime
40	1RR21MC041	Prasad H R	Mr.Shreedhar	Bug Tracking system
41	1RR21MC042	Premanth Gowda	Mrs. Priyanka V G	Parkinsons Disease Detection using Machine Learning
42	IRR2IMC043	Pushpalatha G	Mrs. Priyanka V G	Drug Recommender System Using Machine learning for Sentiment Analysis of Drug Reviews
43	1RR21MC044	Rahul R Baht	Mrs. Priyanka V G	A Machine Learnig based Classification and Prediction Technique for DDoS Attacks
44	IRR21MC045	Rohith K	Mrs. Priyanka V G	Data Mining Applications to Fault Duagnosis in Power Electronic Systems : A Systematic Review



RajaRajeswari College of Engineering





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Department of Master of Computer Applications

45	1RR21MC046	Shraddha S	Mrs. Prisonte V.C.	
46	1RR21MC047	Shreya P Heade	Mrs. Privatka V G	DL Based Human Assault Detector
47	1RR21MC048	Tilak H N	Mirs. Priyanka V G	Blockchain-Based Management for Organ Donation and Transplantation
48	10001040040	this firs	Mrs. Priyanka V G	E-Puncture
	TRR2TMC049	Uday S N	Mrs. Priyanka V G	Detection of Stress in IT Employees using Machine Learning
49	1RR21MC050	Varun R	Mrs. Priyanka V G	Detecting Disorders of Consciousness in Brain Injusies From EEG Connectivity Through Machine Learning
50	1RR21MC051	Vidyasagar	Mrs. Priyanka V G	Dual Access Control for Cloud based Data Storage and Sharing
51	IRR21MC052	Vinod Kumar G	Mrs. Deepa K R	Improving the Reliability of Network Intrusion Detection Systems through Dataset Integrations
52	1RR21MC053	Yashashwini K S	Mrs. Deepa K R	Fraud Detection and Analysis for Insurance Claim using Machine Learning
53	1RR21MC054	yathiswar B	Dr. T. Subburaj	Hospital and Doctor Recommendation with Disease Prediction using Machine Learning
54	1RR21MC055	Yogeesh	Dr. T. Subburaj	Detect Cyberbullying using Machine learning and Deep learning
55	1RR21MC056	Dhanush R	Dr. Annu Sharma	Liver Disease Prediction Using Ensemble Techniques
56	1RR21MC058	Varshini S	Dr. Anu Sharma	Dual Server Public Key Authenticated Encryption with Keyword Search
57	1RR21MC059	SAI PONAPPU REDDY	Mr.Shreedhar	Multi authority Attribute Based Keyword search over Encrypted cloud data
58	1RR21MC060	Vinay G B	Mr.Shreedhar	Multi authoruty Access control with Anonymous Authentication for Personal Health Record

Cordinator

Barrow HOD

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on

"Deep Learning-Based Digital Physical System Threat Identification A Study of Information security"

Submitted in partial fulfilment of the Requirements of the 4th Semester in **MASTER OF COMPUTER APPLICATION**

By A RAJ KUMAR 1RR21MC001

Under the Guidance of

SAINADHPANDA

Project Coordinator CBNL Technologies Rajajinagar, Bangalore 560010

Mrs.DEEPA K R

Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. A RAJ KUMAR bearing USN:1RR21MC001, bearing students of 4th semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "Deep Learning-Based Digital Physical System Threat Identification A Study of Information security" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal/Guide Mrs. Deepa K R

Associate prof Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subhuraj). Dependen of MCA^A C.A. Rajarning hwan C. Bang SBgalupso 569074

Gustpula

External Guide Sainadh panda,

Project Coordinator CBNL Technologies

Rajajinagar, Bangalore 560010

COLLEGE OFFICE ORDERING

EXTERNAL VIVA

Name of the Examiners

I	•		•	•	•	•	1	•	•		•	•			1					
2		•																 		

Signature with Date

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CLOUT BUSINESS NETWORK LIMITED.

Dear Sir/Madam,

We are glad to inform you that Mr. <u>A Raj Kumar</u> (USN: 1RR21MC001) from "RajaRajeswari College Of Engineering", **Bangalore**, We are pleased to offer an Project in our organization from April 2023 to July 2023.

Project will be the property of CBNL (Clout Business Network Limited) or its clients and to be treated as confidential & not shared with third parties.

With Regards

Sainadh Panda



Vol. 11 Special Issue 1 July 2023 E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X SHANLAX
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RAJARAJESWARI COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
Certificate
We hereby certify that
A Ray Kumar (1RR21MC001)
In recognition of the Publication of the Paper Entitled Oeep Learning Based Digital Physical System
Threat Identification - A Study of Information Security
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agringen - Alto.
Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

DECLARATION

I, A RAJKUMAR (USN:1RR21MC001), students of 4th Semester, Department of MCA, Rajarajeswari College Of Engineering, Bengaluru-74, declare that the project entitled "Deep Learning-Based Digital Physical System Threat Identification A Study of Information security" is a record of the original work done by me under the guidance and supervision of Mrs.DEEPA K R, Assistant Professor, Department of MCA, RRCE and this project work has not formed the basis of any Degree/Diploma/Fellowship or similar title to any candidate of any university.

Name: A RAJ KUMAR USN: 1RR21MC001

A. Rejbur Signature of the candidate

ABSTRACT

With the booming of cyber-attacks and cyber criminals against cyber-physical systems (CPSs), discovering these attacks remains challenging. In the contemporary cyber environment, disruption surveillance represents one of the major security issues. A sizable number of methods that are constructed on machinery understanding practices have been created. Therefore, in classification to identify the infiltration, we have created the machine learning procedures. Hidden education (DL) delivers superior performance to traditional machine learning (ML) solutions. Whenever there is adequate data, DL models almost deliver excellent results. However, DL models have been slowly applied to answer the CPS cybersecurity issue contrasted among other tackles such as NLP, image processing, software vulnerability, and many more. It is also practical that many DL models have been proposed in recent publications to detect CPS cyber-attacks. A widely accepted view to explain the difficulty of detecting cyber-attacks on CPSs was accredited to the degree of complexity when superposing cybersecurity over CPSs. In this systemUNSW-NB15 dataset was transferred from dataset storage place. Then, we have to implement the distinct categorization set of rules such as Logistic regression (LR) and LSTM. The experimental results shows that the accurateness for both algorithms.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

UTILISING DEEP LEARNING AND MACHINE LEARNING CONCEPTS TO FORECAST SHARE TRADING CHANGES

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

AMRUTHA S

1RR21MC004

Under the Guidance of

Mrs. Vaibhava Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Ms.Amrutha.S bearing USN:1RR21MC004, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "UTILISING DEEP LEARNING AND MACHINE LEARNING CONCEPTS TO FORECAST SHARE TRADING CHANGES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj H.O.D. De Department of MCAneering arajesh RRCE Bengalum 4 560074 Bangalore

EXTERNAL VIVA

Name of the Examiners

1.....

2.....



Project Manager Ilacs Technologies Bengaluru-560078

Principal 0141723

Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramphalli Cross, Bengaluru-74 Signature with Date



Certification

This is to certify that Ms. Amrutha S (USN : 1RR21MC004) undergoing MCA from "RajaRajesheshwari College of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Using Deep Learning and Machine learning concepts to forecast share trading changes"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,

Q

Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
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Certificate
We hereby certify that
Amrutha S (IRR21MC004)
In recognition of the Publication of the Paper Entitled Utilising Deep Learning & Machine Learning Concepts to Forecast Share Trading Changes
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agringer - Style.
Dr. N. Ayyanathan Editor in Chief Editor in Chief The Publisher

ABSTRACT

Due to several relevant elements, historically, the life of stock market movement has been confusing for investors. Using deep computing in machine learning model, this cram intends to drastically minimise The peril of a trend prediction. For experimental assessments, four market segments from the Stock markets in Tehran are chosen: fuel, mineral rights, diversified finance, and fundamental metals. This research contrasts nine machine learning model, with Dynamic Boosting, Random Forest, Decision Tree, aextreme gradient boost, Support Vector Classifier, Nave Bayes, the the k-n Neighbours Logistic (KNN) Regression, and Artificial Neural Network (ANN) in addition two effective deep learning techniques (Long Short-Term Memory and Recurent Neural Network (RNN)) (LSTM)).

Our input values are 10 technical indicators drawn ten years of historical data data, with two possible outcomes. Initial, the signals are calculated using stock trading values as constock trading values as continuous data, and tinuous data, and then they are converted binary data earlier use. Considering the input methods, Every forecasting model is assessed using three metrics. The assessment findings show that for continuous data, LSTM and RNN beat other prediction models significantly. Furthermore, the findings reveal that those deep learning approaches are the best in binary data evaluation; nevertheless, the difference becomes less significant Since the notable gain in model execution on the second way.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA ,BELAGAVI



Project Report on

DETECTION OF HARMFUL TALK UTILISING MACHINE LEARNING TECHNIQUES

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

ANUSHA S

1RR21MC005

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager Ilacs Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Ms.Anusha.S bearing USN:1RR21MC005, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "DETECTION OF HARMFUL TALK UTILISING MACHINE LEARNING TECHNIQUES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Jupg Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA A RRCE, Bengaluru - 560024ring Rajarajeshwan College - 560 074. Bangalore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Mr. Vaibhava Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Principal Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074

Signature with Date



Certification

This is to certify that Ms. Anusha S (USN :1RR21MC005) undergoing MCA from "Rajarajeswari college of engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title: "Detection of Harmful Talk Utilising Machine Learning Techniques"

She has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

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1	Certificate
	We hereby certify that
	Anusha S(1RR21M(005)
	In recognition of the Publication of the Paper Entitled Detection of Harmful Talk Utilising
	Machine Learning Techniques
	Published in
	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
	~ trade
	Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

ABSTRACT

In today's era of online social networking sites, there is a massive surge in the propagation of toxic content speech. They provide many betterments. However, persons with considerable differences in their viewpoints have contributed to an increase in lethality of people in internet posts and debates. With the outbreak of the pandemic, corporations, educational institutions, students, and the general public have all increased their usage in web sites. For a long time, the growing popularity of internet platforms like Twitter and Facebook has remained a major cause of anxiety. Furthermore, given the diversity of these platforms' users' histories, beliefs, race, and customs, many of them choose to use disparaging, abusive, and antagonistic language while connecting with those do not share their background. This online toxicity has been increasing exponentially by advancements provided by these social media platforms in this emerging world under the cloud of anonymity.

Social media and the internet are now fundamental components of how people disseminate and receive information. The way that individuals communicate has changed substantially over the past ten years, partly as a consequence of social media's pervasive rise. It has made it possible for a world that is more connected and informed, but it has also given the best method to a brand-new phenomenon: poisonous speech. Obtainability of an open platform for the creation, discussion, and sharing of content, some quite opportunistic people have taken part in poisonous speech and generally critical comments.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

MACHINE LEARNING ALGORITHM FOR DETECTION OF FAKE BANK CURRENCY

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By ARCHANA R MULGE

1RR21MC006

Under the Guidance of

Ms. Kasthuri Project Manager TechCiti Technologies Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Ms.Archana RMulge bearing USN:1RR21MC006, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "MACHINE LEARNING ALGORITHM FOR DETECTION OF FAKE BANK CURRENCY" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

EXTERNAL VIVA

al Guide

Mrs.Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Pepartment

Dr. T Subburgi H.O.D. Department of MCAC A. Department of MCAC A. Separation of MCAC A. Department of MCAC A. Department of MCAC A. Department of MCAC A.



1.....

2.....

External Guide

Ms.Kasthuri Project Manager TechCiti Technologies Bengaluru-560078

51417/23 **Principal**

Dr. R. Balakrishna

Principal of RRCE

RRCE,Bengaluru-560074 EAL-SCHEMINS COLLAR, OF ENGINEERING COLLAR, OF ENGINEERING Rameholishing Congolutur-7 Rameholishing Congolutur-7



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CIN: U72900KA2018PTC117376

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Ref.No.TSCPL/2023-2024/HRD/INT5240 Date: 11th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Archana R Mulge (USN: 1RR21MC006) pursuing MCA from Rajarajeshwari College of Engineering, Bangalore has successfully completed her project with our company, she has been working on the project title: "Machine Learning Algorithm Evaluation for Detection of Fake Bank Currency" under the domain: Machine Learning with Python from 08-05-2023 to 10-07-2023.

We have found her to be a self -starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely,



Manager Human Resources Department TechCiti Software Consulting Private Limited

> Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7th Phase, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email: info@techcitisoftware.in Web: www.techcitisoftware.in



In order to create instability in the money supply and profit from the fact that our country's bank currency is the single most significant asset that our country owns, criminals circulate counterfeit notes in the financial market that appear to be identical to the real notes. These notes seem to have been copied almost exactly from the actual notes. It has been observed that there is a spike in the market circulation of counterfeit cash during times of demonetization. This has been noted to be the case. In the majority of instances, a human being will require a number of specialist features established for the purpose of identification in order to differentiate between a genuine and a counterfeit note. These elements were designed specifically for the purpose of identification. This is due to the fact that a false note will often have elements that are identical to those seen on a real note. It is possible to tell the difference between banknotes that have been issued properly and those that have been printed fraudulently, although doing so can be challenging. As a result of this, there is a requirement for a common system that can be used at automated teller machines as well as banks. It is required to develop an effective algorithm in order to construct such an automated system. This algorithm must be able to determine whether the banknote in question is legitimate bank currency or counterfeit bank cash. For the purposes of achieving the goals of constructing this system, this is absolutely necessary. This is due to the fact that in order to manufacture believable counterfeit banknotes, a significant amount of accuracy is required. In this study, we attempt to recognise real bank currency by applying six distinct supervised machine learning algorithms on a dataset that was collected from the machine learning repository at the University of California, Irvine. The purpose of this study is to improve our ability to identify authentic banknotes from counterfeit ones. In order to put this plan into action, we have relied on a variety of strategies that have proven to be effective in the past. As a continuation of our prior study, we have included an algorithm known as LightGBM and analysed its performance in comparison to the performance of other algorithms.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

SDNShield: NFV-Based Defense Framework Against DDoS Attacks on SDN Control Plane

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

ASHISH KRISHNA P

1RR21MC007

Under the Guidance of

Mrs.Vaibhava Sindhu

ILACS Technologies

Bengaluru-560078

Mrs. Deepa K R

Assistant Professor Department of MCA RRCE,Bengaluru-560021



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Ashish Krishna P bearing USN:IRR2IMC007, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "NFV-BASED ATTACK DEFENCE ARCHITECTURE FOR SDN MANAGEMENT LAYER " in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

tany Guide

Mrs.Deepa K R Assistant Professor Department of MCA RRCE,Bengaluru-560074

External Guide

Mrs.Vaibhava Sindhu Project Manager ILACS Technologies Bangalore-560078

J Bran

Head of Department Dr. T.Subburaj Department of MCA. RRCE Bangalarii Segarah Department College of English Department College of English Sigaraje Shuari College of English Bangaloro - 550 014.

Principal Dr.Balakrishna.R, Principal Principal of RRCE AJARAJESWARJ Bengaluru-560074 GE OF ENGINEERINI Ramohalli Cross, Bengaluru

EXTERNAL VIVA

Name of the Examiners

1).....

2).....

Signature with Date

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Certification

This is to certify that Mr. Ashish Krishna P (USN : 1RR21MC007) undergoing MCA from "Rajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "SDNShield: NFV-Based Defense Framework Against DDoS Attacks on SDN Control Plane."

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)



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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS	
RAJARAJESWARI COLLEGE OF ENGINEERING	
#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074	
Certificate	
We hereby certify that	
Ashish Krishna P(12R21 MC007)	_
In recognition of the Publication of the Paper Entitled NFV Based Attack Octance Architecture	-
for SDN Management hayer	-
Published in	
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANI	TIES
Alter Alter	
Dr. N. Ayyanathan Editor in Chief Editor in Chief	anan

iv

Similar to cloud computing, software-defined networking technology is a network management strategy that increases network performance and monitoring by enabling dynamic, programmatically efficient network design. CoFence, our proposed DDoS security system, empowers a space helps-area coordinated effort network across NFV-based space organizations. Domain networks can pool their resources with the aid of CoFence to defend against several DDoS attacks.We explicitly develop a unique asset distribution strategy for spaces that is fair, productive, and impetus viable. Maximizing a utility function based on reciprocity, the resource provider domains decide how much to give to each seeking peer. In this game, each domain has some ability to maximize its own utility. Maximizing a utility function based on reciprocity, the resource provider domains decide how much to give to each seeking peer. In contrast, the degree of demand that must be communicated to the resource supplier domains in order to obtain adequate support is determined by the resource demanding domains. The aftereffects of our reproduction show that the expected asset dispersion is compelling, impetus viable, fair, and equal. The honeypot is generally used in this undertaking to recognize gatecrashers. It distinguishes any unsafe movement did by means of the web.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Facial Detection System Master Strike

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYA C

1RR21MC009

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Mrs. DEEPA K R

Asst. Professor Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Ms.BHAVYA C bearing USN:1RR21MC009, student of 4thsemester MCA ha satisfactorily completed the Project work-20MCA44 entitled "Facial Detection System Maste Strike" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Compute Applications.

Mrs.Deepa K R Asst.Professor Department of MCA RRCE, Bengaluru-560074

1 dana

Head of the Department Dr. JepSubburaj M.C.A. HOD Department of Mef. Engineering NRCT Benealere 568604074.

External Guide Mr.Sainadh Panda Embedded Software Developer ILACS Technologies Bengaluru-560078

Principal Dr. Balakrishna R Principal Coll Coll Balagore Homesen Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

1...... 2.....

Signature with Date



Certification

This is to certify that Ms. Bhavya C (USN : 1RR21MC009) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Facial Detection System Master Strike"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)



Face authentication is now widely used, especially on mobile devices, rather than authentication using a personal identification number or an unlock pattern, due to its convenience. It has thus become a tempting target for attackers using a presentation attack. should be strong, Detecting Stress Using Wearables They may be challenging to nsor because of this, and remember, and should be changed regularly to ensure security. Personal identification numbers and unlock patterns are more convenient than passwords, but the user is still required to remember them, and people nearby may be able to steal a peek at them. An even more convenient method is biometric authentication, which uses a biometric trait unique to the user, eliminating the need to remember anything. This article suggests employing public-key encryption along with keyword search to effectively reduce the computing workload of biometric identification systems while maintaining privacy. Fully homo morphic encryption is used for template protection to ensure the biometric data is protected over the long term. Since they are all lattice-based, applied cryptographic algorithms also provide post-quantum security. The system maintains the unprotected system's recognition accuracy throughout. The system determines if the person is authorised or not. If the user is authorised, they are able to examine the original data; otherwise, they are unable to do so. The system uses a random forest classifier to determine whether a person is authorised or not by utilising a machine learning algorithm.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

AN AUTOENCODER-BASED

MALWARE DETECTION APPROACH FOR DEEP LEARNING

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYASHREE V

1RR21MC010

Under the Guidance of

Mr.Sainadh Panda Project Coordinator Clout Business Network Limited Bengaluru-560078

Mrs.Deepa K R

Assistant Professor Department of MCA RRCE, Bengaluru-560074



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PROJECT CERTIFICATE

This is to Certify that Bhavyashree V, bearing USN IRR2IMC010, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "AN AUTOENCODER-BASED MALWARE DETECTION APPROACH FOR DEEP LEARNING" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internet Guide Mrs.Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074

(m

Name of the Examiners

External Guide Mr.Sainadh Panda Project Coordinator CBNL Bengaluru-560078

Principa

Dr.Balakrishna Rincipal Principal of RRCBAJESWARI Bengaluro+\$60074F ENGINEERING Ramohalli Cross, Bengaluru-7

Signature with Date

..............................

1)..... 2).....

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EXTERNAL VIVA

#14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru- 560074 (An ISO 9001-2008 Certified Institution)



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Project Completion Certificate

Dear sir/madam

This is to certify that Ms. Bhavyashree V (USN: 1RR21MC010)from"Raja Rajeswari College of Engineering", **Bangalore**, has successfully completed her projectfrom April 2023 to July 2023.

During project She has implement Advance Frameworks & She was very much interested to learn the functions of our core sector .

Title: "An autoencoder based malware detection approach for deep learning"

1. Ant Jack

Regards,

Sainadh Panda



ACKNOWLEDGEMENT

I am overwhelmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in the completion of this Project Work.

I am deeply indebted to our beloved Principal, **Dr.Balakrishna R** RajaRajeswari College of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HoD, **Dr.T.Subburaj** Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide Mrs.Deepa K R, Assistant Professor, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's My Pleasure to thank Clout Business Network Ltd for providing me the best platform to complete the project work and glad to thank the external guide, Project Coordinator, Bengaluru-560078.

I also express my heartfelt thanks to all the teaching and non-teaching staff members of MCA Department for their encouragement and support throughout this work.

Bhavyashree V (1RR21MC010)

Nowadays, when it results in malware detection, the increasing limits of classical detection approaches, additional to the improved precision of detection methods based on artificial intelligence algorithms, are shifting research findings in this area in favour of the latter. Asan outcome, we present something new. A malware finding model is included in this research. This kind using model of deep learning combines a grey-scale image representation of malware with an autoencoder network, investigates achieving successthe grey-scale image approach harmful software according to the autoencoder reconstruction error, and leverages dimensionality.

The reduction qualities of theauto encoder are used to distinguish malicious software from benign software. The proposed detection model obtained model of deep learning 96% and a consistent F-score of around 96% when used. We gathered an Android-side dataset that outperforms standard machine learning detection algorithms.Malware detection, autoencoders, malware pictures, and mobile application security are all available.

KEYWORDS: Autoencoder, Greyscale picture, F-score terms to create this article.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"SPAMMER DETECTION AND FAKE USER IDENTIFICATION ON SOCIAL NETWORKS"

Submitted in partial fulfillment of the requirements of the 4th Semester in MASTER OF COMPUTER APPLICATIONS

By

BHAVANA G

1RR21MC008

Under the Guidance of

Ms. VAIBHAVA SINDHU Embedded Software Developer Blitz Technology Bengaluru-560010

Mrs. DEEPA K R Assistant Professor Department of MCA RRCE, Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to certify that BHAVANA G bearing USN:1RR21MC008, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "SPAMMER DETECTION AND FAKE USER IDENTIFICATION ON SOCIAL NETWORKS" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide

MOLDEEPA KR Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

DR. T SUBBURAJ Department of MCA, RRCE, Bengaluru-560074 External Guide Ma. VAIBHAYA SINDHU Embedded Software Developer Blitz Technology Bengaluru - 560010

DR. BALAKRISHNA R Principal of RRCE Bengalutu -560074

RAJARAH SWITH COLLEGE DE 24 DE DING Ramph de la completation?

EXTERNAL VIVA

Name of the Examiners

1).....

2)....

Signature with Date



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Ms. Bhavana G</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC008) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Spammer Detection and Fake User Identification on Social Networks

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalors - 560 010. Website : www.bitztechnology.co.in / E-mail : hr@bitztechnology.co.in / info@bitztechnology.co.in Ph : 9591423924



Millions of people utilise social networking sites across the world. Users interactions with social sometimes unfavourable consequences. Majority of the social media networks have turned into a platform for scammers to disseminate a large volume of useless and harmful content. For instance, spam. Unwanted tweets are sent to consumers by phoney users in an effort to advertise services, which not only damage real users but also cause resource use to be disrupted. Furthermore, the capacity of spreading false information provided to consumers under false pretences has increased, giving to the spread of hazardous content. Detecting spammers and identifying phoney Twitter accounts has recently approaches for spotting spammers. Furthermore, a taxonomy for identifying Twitter spam methodologies is offered, which categorises the strategies in light of their capacity to detect: (i) false material, (ii) spam based on URL, (iii) spam in hot topics, and (iv) fake users.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA BELAGAVI



Project Report on

A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

CHANDAN K

1RR21MC011

Under the Guidance of

SAINADH PANDA

Project Coordinator Clout Business Network Limited Bangaluru-560010

DEEPA K.R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify Mr. CHANDAN K bearing USN:1RR21MC011 student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Applications.

DEEPA K.R

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Departmetit of MGAC A RROB/Bengaluru- 5600740-76 rajarajeshwan Bangalore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2....

External Guide

SAINADH PANDA

Clout Business Network Limited Bengaluru -560074

Dr. R. Balakrishna Principal Principal Principal CBeligatum El\$600741NG Pamohalli Cross, Bengalum 74

Signature with Date

......



CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Ms. CHANDAN K (USN: 1RR21MC011)from"Raja Rajeswari College of Engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:"DSAS: A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System"

Regards,

Sainadh Panda



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 160010 Website : www.cbnBech.com E-mail : hr@cbnBech.com / info@cbnBech.com Ph : 9943994481

By sharing protected private Records of health (PHRs) with physicians or institutes engaged in medical research, a growing percentage of patients in the ehealthcare system possess access to high-quality medical services. One significant problem, though, is which the encrypted PHRs make it difficult to search for information effectively, which reduces data utilization. Another problem which this and that the method e providing medical care necessitates a doctor's constant availability online, which may be too expensive for certain professionals to afford (for example, to be absent occasionally). This study develops a new, practical, secure proxy searchable re-encryption technique that enables medical service providers to do remote PHR monitoring and research in a secure and effective manner. Only authorized doctors or research institutions the ability to access patient health records (PHRs)through our system, DSAS, which ensures their privacy and confidentiality. Additionally, Alice (the doctor-in charge) can delegate medical research and use to Bob (the doctor-in-agent) or an individual research institution by means That mist server, thereby minimizing information exposure in the sky We formalize the explanation behind security and demonstrate our scheme's security. Finally, performance analysis demonstrates the effectiveness of our plan.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

LIVE COUNT AND DETECT HUMANS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

CHANDANA N L

1RR21MC013

Under the Guidance of Dr. S Usha

> Project Coordinator Department of R&D

RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. CHANDANA N L bearing USN:1RR21MC013, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "LIVE COUNT AND DETECT HUMANS" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

H.O Internal Guide ATC UL

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

U St

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj⁴ C A Beach & C A Beach &

RRCE, Bengaluru - 560074

EXTERNAL VIVA

Name of the Examiners

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D. Out. **External** Guide

Dr. S Usha

Dean, RRCE

Department of R&D

RRCE, Bengaluru-560074

Principa Dr. R. Balakrishna

and the transferration

Principal of RRCE Bengalura 20074 COLLEGE OF ENGINEERING Tamohalli Cross, Bengalura-27

Signature with Date

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RajaRajeswari College of Engineering



With A and the second s

PROJECT CERTIFICATE

This is to certify Ms. CHANDANA N L. [USN: IRR2IMC013], a student of RajaRajeswari College of Engineering, has successfully completed the "LIVE COUNT AND DETECT HUMANS" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

D. Quy .. With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Computer Science of Engineering RAJARAJESWARU COLLEGE OF ENGINEERING DENGALURU - 560 074.

ACKNOWLEDGEMENT

I am over helmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in completion of this **Project** Work.

I am deeply indebted to our beloved our Principal, **Dr. R. Balakrishna**, Rajarajeswari College Of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HOD, **Dr. T Subburaj**, Associate Professor and HOD, Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide **Dr. T Subburaj** Associate Professor and HOD, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's my pleasure to thank **RRCE** for providing me the best platform to complete the project work and glad to thank the external guide **Dr. S Usha**, Dean, Department of R&D, Bangalore-560074

I also express my heartfelt thanks to all the teaching and nonteaching staff members of MCA Department for their encouragement and support throughout this work.

CHANDANA N L 1RR21MC013

[ii]

The aptitude to accurately count and detect humans in real-time is a valuable application in various domains, including surveillance, crowd management, and social distancing enforcement. In this project, we advocate a Python-based solution that leverages computer vision techniques to achieve live human count and detection. Our approach utilizes a amalgamates of image processing, deep learning, and object detection algorithms to accurately identify and track human bodies within a given video stream or image. To begin, we employ pre-trained deep neural network, such as the Single Shot MultiBox Detector (SSD) or You Only Look Once (YOLO), to detect humans within the video frames. These models have undergone extensive training on large-scale datasets and are capable of detecting humans with high precision and recall. By using such models, we can rapidly identify the presence of humans in the scene. Once humans are detected, we employ advanced image processing techniques to track their movements across consecutive frames. This involves utilizing methods like bounding box tracking, optical flow, or Kalman filters to maintain a consistent and accurate count of humans within the video stream. Additionally, we can implement algorithms to estimate the direction and speed of human movement, enabling further analysis and insights. To assess the efficacy of our approach, we conducted experiments on various real-world video streams. Our results demonstrate that our system achieves reliable and efficient human counting and detection with minimal latency. We further validate the accuracy of our approach by comparing the results against ground truth annotations, and achieve a high degree of precision and recall in human identification. In conclusion, our Python-based solution provides a robust framework for live human count and detection using computer vision techniques. By leveraging state-of-the-art deep learning models and image processing algorithms, we can accurately track and identify humans in real-time video streams. This system has the potential to be deployed in a wide range of applications, contributing to improved surveillance, crowd management, and public safety measures.

Keywords:- machine learning, humans count and detect, visual intelligence.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

EVALUATION OF THE QUALITY OF WATER CONSIDERING SVM AND THE XGBOOST TECHNIQUE

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DARSHAN P

1RR21MC014

Under the Guidance of

Mr. Sainadh Panda Embedded Software Developer CBNS Technologies Bengaluru-560078

Dr. T. Subburaj

HOD, Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr.Darshan P bearing USN:1RR21MC014, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Evaluation Of The Quality of Water Considering SVM And The XGboost Technique" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

(8977) Internal Guide

Dr.T Subburaj Professor, HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj Department of MCA RRCE, Belganue 560074 Department of M.C.A. Department of M.C.A. Bangalore - 550 974.

EXTERNAL VIVA

Stimporda

External Guide Mr.Sainadh Panda Embedded Software Developer CBNL Technologies Bengaluru-560078

Principadipal DRABalakrishna. R CORESIDERERSSEERING Ramonal Cross, Bengaluru-74

Signature with Date

Name of the Examiners

1..... 2..... CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

CBN

This is to certify that Mr. Darshan P (USN: 1RR21MC014)from "Rajarajeswari college of engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" Evaluation of the Quality of Water Considering SVM and the XGBoost Technique"

Regards,

Sainadh Panda



Water is debatably one of greatest crucial periodic asset ever provided to humanity. The quality of water has a direct impact on the biological system and human well-being. Water is used for a variedchoice functions, include consumption, agriculture, and modernization. Many poisons have adversely harmed aquaticexcellence in the long run. Water quality forecasting and assessment are currently critical to reducing contamination of water in the future. Continuous surveillance is futile because, as expected, the liquid'sexcellence is assessed using pricey research facilities and measured intervals. Low quality of water necessitates a more practical and sensible solution. Using the benefits of AI methods, the suggested framework creates a model that can assess the aquaticexcellence file and water quality class.

The goalmouth of this proposed framework is to offer a creative way for to assess water quality using Slope Helping Encoder. The plan includes the calculation of the Water Quality File, which is second-hand as a measure of the water's quality. The proposed method achieves high Train Accuracy (98%) and Test Exactness (94%). To classify water, the system employs numerous parameters related to water quality and features such as pH, divided oxygen, temperature, and conductivity of electricity. The model developed in this study is suitable for forecasting marinesuperiority as Amazing, Great, Poor, and Very Poor, and may be used for continuous monitoring and the board of water quality. The results demonstrate the adequate accuracy and precision of the suggested approach in predicting water quality, highlighting the ability of AI methods for aquaticsuperiority observing and the executives. The technique suggested can be rummage-saletrendy a variety of applications, including treatment of water, environmental monitoring, and marine life management.
VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA BELAGAVI



Project Report on

BIRD BOOK USING DJANGO

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DEERAJ C

1RR21MC015

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&D RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. DEERAJ C bearing USN:1RR21MC015, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BIRD BOOK USING DJANGO" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

DR. T Subburaj Head Of The Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburgi Department of MCA. ajarajeshwari Cone 2 The Engineering RR&IngBurgatärin - 550074

EXTERNAL VIVA

Name of the Examiners

2.....

P. Ort. External Guide

Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Prince

Dr. R. Balakrishna Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalii Cross, Bengaluru-7/

Signature with Date



RajaRajeswari College of Engineering





#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Mr. DEERAJ C [USN : IRR2IMC015], a student of RajaRajeswari College of Engineering, has successfully completed the "BIRD BOOK USING DJANGO" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated his knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

D. With Regards With Regards Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Contrater Science of Engineering RAJARAJESIVAR, COLLEGE OF ENGINEERING DEMOALURU - 500 074,

BIRDBOOK is a unique web-based project that aims to provide an all-in-one platform for bird enthusiasts, combining an extensive encyclopedia of bird species with a social media environment. Built using the Django framework and incorporating various web development technologies, BIRDBOOK offers users a comprehensive resource to study and connect with the world of birds. The project's primary objective is to provide an interactive encyclopedia for bird species, complete with detailed descriptions and photos. Users can browse through the vast database to learn about different bird families, species, and their distinctive characteristics. Additionally, the platform encourages user contributions by allowing them to add new bird species, update existing information, and upload images, fostering a collaborative and dynamic bird knowledge hub. In extension to the encyclopedia, BIRDBOOK used as a social medium network platform tailored to the requirements of bird enthusiasts. people will have access to create their profiles and they can connect with other bird lovers, join groups, send the birdwatching experiences with others. This social component enhances community engagement and facilitates knowledge exchange among members, creating a vibrant space for bird-related discussions and interactions. Notably, BIRDBOOK goes beyond being a mere repository of information. It incorporates a feature that enables users to report bird sightings, making it a valuable tool for both avid birdwatchers and professional ornithologists. These reports contribute to a larger bird observation database, aiding in scientific research and conservation efforts.

Overall, BIRDBOOK stands as a comprehensive online platform that caters to the diverse needs of bird enthusiasts. By providing a rich encyclopedia, fostering social connections, and facilitating the sharing of bird sightings, the project promotes a deeper understanding of avian biodiversity and encourages a sense of community among individuals passionate about birds.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

THE ENSEMBLE TECHNIQUE IS APPLIED TO

FORECASTING LIVER DISEASE

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Dhanush R

1RR21MC056

Under the Guidance of

Mr.Sainadh Panda

Project Coordinator Clout Business Network Limited Bengaluru-560078

Mr.Shreedhar K

Assistant Professor Department of MCA RRCE, Bengaluru-560074



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#14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Dhanush R, bearing USN 1RR21MC056, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "THE ENSEMBLE TECHNIQUE IS APPLIED TO FORECASTING LIVER DISEASE" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Mr.shreedhar K Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of Department Dr.T.Subburaj Department of MCAA BRCE, Bengaluru-56007ering Bangalore - 560 074.

EXTERNAL VIVA

Conta Purda

External Guide Mr. Sainadh Panda Project Coordinator CBNL Bengaluru-560078

Principa

Dr.Balakrishna R Principal of RRCE Bengaluru²566074 RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru

Signature with Date

Name of the Examiners

1).....

2).....

.....



CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Mr. Dhanush R (USN: 1RR21MC056)from "Rajarajeswari college of engineering", **Bangalore**, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" THE ENSEMBLE TECHNIQUE IS APPLIED TO FORECASTING LIVER DISEASE"

Regards,

Sainadh Panda



Kajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com Ph : 9945994481

ACKNOWLEDGEMENT

I am overwhelmed in all humbleness and gratefulness to acknowledge my depth to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete.

I take this opportunity to acknowledge the help I have received from different individuals who directly or indirectly helped in the completion of this Project Work.

I am deeply indebted to our beloved Principal, **Dr.Balakrishna R**, RajaRajeswari College of Engineering for providing the necessary facilities to carry out this work.

I am extremely grateful to our beloved HoD, **Dr.T Subburaj** Department of MCA, RRCE for nurturing our technical skills and contributing to the success of this project.

I would also express my heartfelt thanks to our Internal guide **Mr.Shreedhar K**, Assistant Professor, Department of MCA, RRCE for their continuous guidance and valuable suggestions for this Project work.

It's My Pleasure to thank Clout Business Network Ltd for providing me the best platform to complete the project work and glad to thank the external guide, Project Coordinator, Bengaluru-560078.

I also express my heartfelt thanks to all the teaching and non-teaching staff members of MCA Department for their encouragement and support throughout this work.

> DHANUSH R (1RR21MC056)

Liver illness is among these worst diseases on the planet. It occurs in the human body, most notably in the liver. The liver's primary function is to eliminate waste created by organisms, to store key vitamins required by the body to prevent them from go to waste, and to digest meals. This is a really terrible disease, and first step it must be done is to limit the risk explored by this lethal disease, and early detection can assist save the organism. The amount of people that are disease in the world is approx. 3.5 percent.

In recent decades, liver diseases have risen to prominence as among the world's top reasons for death and a condition that might fatal. Consequently, the WHO, Chronic illnesses are liable for over 59 percent of global mortality and 46% of conditions, and they claim livings of almost 35 million people worldwide. As the liver continues to operate even when partially wounded, issues with the liver are typically not identified until it is too late. Potentially, early discovery can save a person's life. This project's need is to outline a foundation for an iterative method of finding high-risk patients' events based on a clinical study data repository cognitive ML algorithm. To provide for the prediction to be accurate, the article is also open to new difficulties and potential adjustments to other cutting-edge technology. Injury to the liver, which performs a vital function for the body, could have catastrophic repercussions. Early liver disease detection is crucial for this reason. This work attempted to predict liver disease using an ensemble technique (Gradient Boosting Classifier + AdaBoost Classifier) based on various medical information gathered from healthy blood donors and liver patients.

Keywords: Detection, Clinical study, Boosting, Liver patients

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

"REAL-TIME PASSENGER TRAIN DELAY PREDICTION USING MACHINE LEARNING: A CASE STUDY WITH AMTRAK PASSENGER TRAIN ROUTES"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

Submitted By

DHANUSHREE R S

1RR21MC016

Under the Guidance of

Mr. Raghavendra Guligare

Project Manager Web Blitz Software Bangalore-560010

Dr. T Subburaj

Associate prof. Head of the Department Department of MCA RRCE, Bangaluru-560074



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Department of Master of Computer of Application <u>PROJECT CERTIFICATE</u>

This is to certify Ms. DHANUSHREE R S bearing USN:1RR21MC016, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "REAL-TIME PASSENGER TRAIN DELAY PREDICTION USING MACHINE LEARNING: A CASE STUDY WITH AMTRAK PASSENGER TRAIN ROUTES" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Dr. T Subburaj Associate prof. Department of MCA RRCE, Bengaluru-560074 Head of the Department Dr. T Subburaj Department of MCAACA Departi Faciliteering RRCE; Bengaluru - 560074 Bangah



Mr. Raghavendra Guligare Project Manager Web Blitz Software Bengaluru-560010

Prin Dr. R. Balakrishna

EXTERNAL VIVA

Name of the Examiners
1
2

Signature with Date

......



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Ms Dhanushree R S (USN: 1RR21MC016) from "Rajarajeswari college of engineering" Bangalore, has successfully completed her project work from April 2023 to July 2023.

Project Title:" Real-Time Passenger Train Delay Prediction Using Machine Learning: A Case Study with Amtrak Passenger Train Routes."

We wish her all the best and success in all future endeavours.

Regards,

Raghavendra Guligare



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

Passenger rail snafu greatly affects passengers' determination to use rail transportation as their mode of transportation. This piece suggests real-time projection of tourist delayed trains (PTDP) models employing artificial intelligence techniques. In In this paper, the effects of employing We study Real-time based Data-frame Format (RT-DFS) and Real-time with Past based Data-frame Format (RWH-DFS) on PTPD models. The results show that MLP with RWH-DFS PTDP models did better than all other models. The impact of outside factors like ridership and previous delay characteristics at the destination, and population, night after on the real-time PTPD models, additional information about the week, location, and climate is provided. analysed and discussed. This system is, To raised precision in predicting train arrival delay time is of great significance for improving airport transportation efficiency.In our process, I must. take the input as time series dataset. After that, I must. implement the machinelearning algorithms such as logistic regression and random forest. The experimental results shows implies exactness and error values for each algorithm. The system's predictive efficiency is high. and can track the trends of multiple delay indicators well.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on

DETECTION OF PHISHING WEBSITES USING

MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

DIANA JENNIFER .S

1RR21MC017

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager Ilacs Technologies Bengaluru-560078

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that DIANA JENNIFER .S bearing USN:1RR21MC017, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "DETECTION OF PHISHING WEBSITES USING MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Applications.

Internat Goide

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA. C.A. RROB Bengalury - 560074eering Rajarajeshwari angulore - 560 074. Bangulore - 560 074.

EXTERNAL VIVA

Name of the Examiners

1..... 2.....

11.4 External Gine

Mrs. Vaibhaya Sindhu

Project Manager Ilacs Technologies Bengaluru-560078

Principal

Dr. R. Balakrishna

Principal of RRCE Bengaluru - 560074 COLLEGE OF ENGOTEERING Ramohalli Cross, Bengaluru-74

Signature with Date

......



Certification

This is to certify that Ms. Diana Jennifer. S (USN : 1RR21MC017) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Detection of phishing websites using machine learning"

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)



64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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	#14, Ramohalli C Mysore Road, Bar	ross, Kumbalgodu ngalore - 560074
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	We hereby cer	tify that
	Diana Jennifers 1	(IRR21MC017)
	In recognition of the Publicati Applying Machine	on of the Paper Entitled
	dentifying Frau	d Sites
	Published	în
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	Dr. N. Ayyanathan Editor in Chief	Er. S. Lakshmanan The Publisher

Those who want access to private information create unauthorised copies of official web pages and email addresses. The email will be built with actual company slogans and logos. These hackers are able to access each user's sensitive information, including financial accounts, unique login credentials, and photos, when they send links to users. The precision of the Random Forest and choice tree Equations are often used in current systems, must be improved. The currently used models have less delay. There isn't a defined user interface for existing systems. Alternative algorithms aren't in comparison to the present system. When opened, the offered emails or links take users to a phoney website that impersonates the real company. The models are employed to choose and apply the ideal machine learning model, as well as to detect fraud Urls based on URL a role factors. The strategies of artificial intelligence are used are XG Boost, Multinomial Naive Bayes , and graphical regression. The logistic regression procedure is compared to a method that performs better than the other two.

It is an ordinary technique used to deceive honest individuals into exposing the truth by using phoney websites. Hoax website addresses are designed to steal private information, such as user names, credentials, and information about online financial transactions. Phishers use sites that, both artistically and on a linguistic mirror those real websites. To prevent a rapid growth of phishing tactics on account of growing the internet, phishing protection measures must be used to recognise phishing. Data mining is a potent tool for tackling phishing attacks. Attackers often use phishing because it is easier to trick a victim onto clicking a harmful link that seems to be legitimate.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

PREDICTION OF USED CAR PRICES USING ARTIFICIAL NEURAL NETWORKS AND MACHINE LEARNING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

FAISAL PASHA A

1RR21MC018

Under the Guidance of

Mr.Vaibhava Sindhu

Project Manager ILACS Technologies Bengaluru-560078

Mr. Dr. T Subburaj

HOD, Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road Kumbalgodu,Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2021-2022



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. FAISAL PASHA A bearing USN:1RR21MC018, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "PREDICTION OF USED CAR PRICES USING ARTIFICIAL NEURAL NETWORK AND MACHINE LEARNING" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

Internal Guide

Mr. Dr.T Subburaj HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj ROD-Department of MCA RRCE, Benjahru-560074

Ex al Guide

Mr. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Dr. R.BalaKrishna Principal of RRCE Bengaluru-560078 Principat

RAJARAJESWARI COLLEGE OF ENGINEERING Rameholii Cross, Dengaluru-7¢ Signature with Date

.......

EXTERNAL VIVA

Name of the Examiners

I.....

2.....



Mr. Faisal Pasha A (USN: 1RR21MC018) Rajarajeswari College Of Engineering Bangalore

Ilacs Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

(Mohammed Ilyas)



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We hereby certify that

Faisal Pasha A (LRR 21MC018)

In recognition of the Publication of the Paper Entitled Price Part for Used SUS

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agan

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The globe is expanding daily, and with it, so are everyone's expectations. One of them is exiting to purchase a car out of all the expectations. Nevertheless, not each can provide to buy a new car every time, so they will get a used one. However, a new person is unaware of the applied automobile market pricing for his or her ideal vehicle. As the price of new cars increased due to higher technology expenses, the value argument of used cars grew stronger. Additionally, during the Covid-19 pandemic epidemic, the lack of public transportation and fear of infection force people to rely on their own means of transportation. However, the intensified pressure for manipulated cars led some car dealers to overcharge clients by putting their prices higher than usual. The need to develop a model that can forecast the charge of cast-off cars by attractive into interpretation the various characteristics and costs of other automobiles already on the market in the nation arises in command to aid consumers in understanding market trends and prices for used cars. Predicting used automobile prices is a intriguing but intriguing topic. It is tough to assessment a car's resale value. It goes without saying that a change of factors affect how much secondhand cars are worth. In command to forecast the worth of used cars based on various factors, we employed Decision Tree Regressor, a engine learning procedure, in this study. The resulting model contains more elements of used cars while also being more accurate in its predictions when competed to earlier studies.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

Heart Disease Detection Using with Data Analytics and Machine Learning

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

GAGAN G R

1RR21MC019

Under the Guidance of Vaibhava Sindhu

Project Coordinator

BLITZ Technology.

Bangalore-560078

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. GAGAN G R bearing USN:1RR21MC019, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "Heart Disease Detection with Data Analytics and Machine Learning" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

RRCE, Bengalum-560024

A Sport

Head of the Department

Dr. T Subburaj

Department of M.C.A Department of M.C.A Rajarajestiwart Consultrus Bangalore - 566 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Valbhava Sindhu Project Coordinator BLITZ Tech. Bengaluru-560078

Dr. R. Balakrishna

Principal of RRCE RAJARAJESWARI COMPANIE COMPANIE RAJARAJESWARI COMPANIE COMPANIE RAJARAJESWARI COMPANIE C

Signature with Date



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Gagan G R</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC019) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Heart disease prediction using Machine learning.and data analytics

During the project work , He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591422924

Vol. 11 Briedal Jasue 1 July 2023 E-198N: 2582 - 0397 P-166N: 2321 - 788X ΗΔΝΙΔΧ INTERNATIONAL JOURNALS A Prer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertificate OF PUBLICATION We hereby certify that Gagan G R (IRR21MC019) In recognition of the Publication of the Paper Entitled Heart Disease Detection with Data ralytics and Machine Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Agringer Dr. N. Ayyanathan Er. S. Lakshmanan The Publisher Editor in Chief

Recent developments within machine learning played a crucial part in the healthcare industry and amongst all the significant diseases, cardiovascular illness is among the significant and most critical diseases to predict. Exists a sharp rise in the amount of cases each day Observations prove it in every minute, 4 people between the age group of 30-50 get a stroke, so We employ machine learning techniques. to mitigate this problem. Kaggle used theutilised in this project was a dataset on heart disease. This paper demonstrates the application of several machine learning categorization techniques to predict heart disease such as Naive Bayes, Random Forest, SVM etc., and compares their accuracy scores. Later on, Stacking Ensemble Learning Technique boost our classification models' performance.

The WHO health organisation. estimates that 17.7 million people worldwide die suddenly each year due to cardiovascular conditions. The ability topeople to anticipate the complexity of their health at an early stage may assist them. system for forecasting cardiac disease. A doctor's examination or a number of medical tests, such as an ECG, Stress testing, heart MRI,etc., are the traditional techniques for heart disease prediction. Exists a vast quantity of hidden information in the already-available health care data. Having access to this secret knowledge facilitates making sensible selections. For valid results, advanced computer-based data Existing systems are good at correctly forecasting the outcome, but the complexity of health markers and additional data variables lay the groundwork for future systems. evolution of novel strategies.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Efficient Thyroid Disease Prediction using Features Selection and Meta- Classifiers

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHA.M

1RR21MC021

Under the Guidance of

Mrs. Vaibhava Sindhu PROJECT COORDINATOR Blitz Software LTD Bengaluru-560078

Dr T Subburaj

Associate Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru 560074 (AnISO9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Harsha M, bearing USN:1RR21MC021, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "Efficient Thyroid Disease Prediction using Features Selection and Meta-Classifiers" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

ADD **Internal Guide**

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Dr.T.Subburaj

Department of MCA,

Dr T Subburaj Associate Professor Department of MCA RRCE, Bengaluru-560074 12-07.2%

Head of the Department

RRCE, Bengaluru-560074

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External Guide

Mrs.Vaibhava Sindhu Project Cordinator Blitz software ltd Bengaluru-78

Principal

Dr. Balakrishna R RAJARAJESWARI Principal of RRCELLEGE OF ENGINEER Bengaluru-560074 Ramohalli Cross, Dengahir

EXTERNAL VIVA

Name of the Examiner

1).....

2).....

Signature with Date

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Certificate

Dear sir/Madam

This is to certify that <u>Ms. Harsha M</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC021) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Efficient Thyroid Disease Prediction using Features Selection and Meta- Classifiers

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFioor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@tiltztechnology.co.in Ph : 9591423924

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	RAJARAJESWARI COLLEGE OF ENGINEERING
	#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
	Certificate
	We hereby certify that
	Harsha M (IRR21MCO21)
	Thyroid Disease Prediction with tenture
	Selection and Meta-classifiers
	Published in
	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
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	Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Thyroid illness, one of the most common medical diseases, can cause a variety of health problems. Thyroid dysfunction or problems affect 42 million Indians, according to recent studies. Thyroid problems, such as hypothyroidism or hyperthyroidism, are caused by thyroid hormone. TSH (Thyroid Stimulating Hormone), T3 (Triiodothyronine, T3-RIA), T4 (Thyroxine), and FTI (Free Thyroxine Index, FTI, T7) are thyroid trial mechanisms that are used to detect how thyroid hormone acts. Manually analysing these factors on vast databases to diagnose and forecast disease is time-consuming. A Decision Tree Classifierbased machine learning approach was utilized to develop a predictive model in the proposed system. According to the performance evaluation, the decision tree looks to generate superior results, with the greatest training accuracy of 100% and validation accuracy of 97%. Additionally, this findings may aid researchers in developing a solid model for identifying and categorizing hypothyroidism. Thyroid measurements, according to our findings, have a considerable effect on the clinical course of depression. Thyroid hormone testing should be pushed to standard clinical settings to detect which individuals require early or aggressive therapy to stop ongoing malfunction.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

ELECTRICITY THEFT DETECTION IN SMART GRIDS BASED ON DEEP NEURAL NETWORKS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHAVARDHANA R

1RR21MC022

Under the Guidanceof

Mr. Raghavendra Guligare PROJECT COORDINATOR WebBlitz Softwares Bengaluru-560078

Dr. T Subburaj Associate Prof. and Head of the Department Department of MCA RRCE,Bengaluru-560074



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#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (AnISO9001-2008CertifiedInstitution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. HARSHAVARDHANA R, bearing USN:1RR21MC022, student of 4^a semester MCA has satisfactorily completed the Projectwork-20MCA44 entitled " Electricity Theft Detection In Smart Grids Based On Deep Neural Networks " in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

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Internal Guide Dr. T Subburaj Associate Prof. and Head of the Department Department of MCA RRCE,Bengaluru-560074

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Head of Department Drat Subburaj H.O.D. Department of MGA37 RRCE, Besselurd 560074C A. RRCE, Besselurd 560074C A. SGC 074

Name of the Examiners

1)	
2)	

External Guide Mr. Raghavendra Guligare Project Coordinator WebBlitz Softwares Bengaluru-560078

Principal_ Dr. Balakrishna.R, Principal of RRCE Bengaluru, 560074 Bengaluru, 560074

> COLLEGE OF ENGINEERING Camphalli Cross, Bengaluru-74

Signature with Date

EXTERNAL VIVA



Completion Certificate

This is to certify that Mr Harshavardhana R (USN: 1RR21MC022) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" Electricity theft detection in smart grids based on deep neural networks."

We wish him all the best and success in all future endeavours.

Regards,

Raghavendra Guligare




Power theft is a widespread issue has a detrimental impact on both power customers and power businesses. It impairs utilities firms capacity to grow economically, creates electromagnetic risks, and has an effect on consumers' high energy costs. The implementation of connected grids is crucial the certification of power theft because these systems create enormous amounts of data, including information on client use, which may be used in computer training and neural nets to identify electrical theft. This research offers techniques for detecting theft that usage bottomless neural nets to classify data using extensive characteristics in the temporal plus amplitude regions.

The rise of electronic grids, which provide regular rewards like increased energy efficiency, fewer power interruptions, and higher security, is a result of the rising need for energy. But single of major issues with smart grids is power theft, that's a major source of lost income for utility corporations. Therefore, unique the foremost concerns for organizations who distribute rechargeable power is electricity theft. This project's goal is to advance a real technique for detecting power theft in smart lattices that practices Reproduction Neural Grids (ANN). The suggested method would make use of data on power use that is taken from the well-known web resource kaggle. The preprocessed data will be used to feed the ANN, to train itself to recognize patterns and abnormalities in the data.

KEYWORDS: Electricity, Deep Neural Network, CNN, Artificial Neural Network.



Project Report on

RAPID BIRD SPECIES IDENTIFICATION USING AUDIO SIGNAL PROCESSING AND NEURAL NETWORK

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHITHA H N

1RR21MC023

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer BLITZ Technologies Bengaluru-560078

Mr. Dr. T SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



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2022-23



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mrs.HARSHITHA H N bearing USN:1RR21MC023, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "RAPID BIRD SPECIES IDENTIFICATION USING AUDIO SIGNAL PROCESSING AND NEURAL NETWORK" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

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Internal Guide Dr.T Subburaj Associate Professor HOD, Department of MCA RRCE, Bengaluru-560074

rnal Gu Saluada anda Embedded Software Developer

Embedded Software Developer BLITZ Technologies Bengaluru-560078

Principala Dr.Balakristina R COLLEGE-DAIBIERRIEERING Samol Bimerlusy, Scill 78 Junu-74

EXTERNAL VIVA

Name of the Examiners

HDD: Dementor of DICA ajarafeshikan College St Engineering

Head of the Department

Bangalore - 560 074.

Dr.T Sebburaj

1.....

2.....

Signature with Date

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

ECHNOLOG

This is to certify that <u>Ms. Harshitha H N</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: IRR21MC025) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Rapid bird species identification using audio signal processing and neural network

During the project work, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



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OF ENG	INEERING
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Certific	PUBLICATION
We hereby co	ertify that
Miss Harshitha	H.N
USN: IRB2IMCC	12.3
In recognition of the Publica Rapid bird species signal processing and	tion of the Paper Entitled Edentification using audio neural network
Publishe	d in
SHANLAX INTERNATIONAL JOURNAL O	FARTS, SCIENCE AND HUMANITIES
~ Argunation	-Auto.
Dr. N. Ayyanathan Editor in Chief	Er. S. Lakshmanan The Publisher

Because of several factors, including human influence, global warming, changes in the climate, forest fires or forest loss, etc., the bird species is changing dramatically nowadays. It is now feasible to monitor the bird population and their behaviour with the abet of automated bird species identification using artificial intelligence techniques. This study develops an automatic bird recognition system which requires no physical interaction because manually identifying various bird types takes a lot more time and effort. Convolutional neural networks are engaged to accomplish this goal as opposed to more conventional classifiers approximating SVM, Random Forest, and SMACPY. The keypoint is to determine the different bird species using a dataset that includes their various vocalizations.Preprocessing of the enter dataset will include building, silence elimination, rebuilding, and finally, a spectrum will be generated to serve as an input for a convolutional neural network, where CNN alterations, testing, and classification will then be performed. The output is created, the outcome is compared to pre-trained data, and birds are categorized based on their characteristics (size, color, species, etc.).It is now vital to monitor the consequences of human activity on the environment before it results in the environment suffering irreparable harm. Monitoring animal breeding behaviour, biodiversity, and population dynamics is lonetechnique to keep tabs on these consequences.



Project Report on

PLANT DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHMS

Submitted in partial fulfillment of the Requirements of the 4th Semester in MASTER OF COMPUTER APPLICATIONS

By

HARSHITHA P V

1RR21MC024

Under the Guidance of

Mrs. Vaibhava Sindhu Software Developer BLITZ TECHNOLOGY Bengaluru-560078

Dr. T Subburaj

Assoc. Prof, Department of MCA RRCE, Bengaluru-560074



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Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Miss. HARSHITHA P Vbearing USN:1RR21MC024, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "PLANT DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHMS" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Application.

Integrind Guide

Dr T Subburaj AssociateProfessor DepartmentofMCA RRCE,Bengaluru-560074

180000

Head of the Department Dr. T. Subburaj HOD, Department of MCA RRCE, Bengaluri 360074/neering Department College of College Statistics Sev 674-Bangalore - 560 674-

Vaibhava

Project Coordinator

BLITZTechnologies Bengaluru-560078

RH4 July 23

Principal Dr. Balakrishna. R Principal of RRCE Bengaluru-560078

EXTERNAL VIVA COLLEGE OF ENGINEERING Ramohall Cross, tiongeton, 37 Signature with Date

Name of the Examiners



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Ms. Harshitha P V</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC024) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- plant disease detection and classification using machine learning algorithms

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.biltztechnology.co.in / E-mail : hr@biltztechnology.co.in / info@biltztechnology.co.in Ph : 9591423924

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Mise Harshitha P.V
Plant Disease Defection and Classification
Uping Machine learning Algorithme
Published in ⁰
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
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Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Horticulture acknowledges a crucial role in the good of everyone's quick improvement and expanded interest in food in India. It is then anticipated that the collect yield will increase. One significant factor in the low gather yield is an illness caused by organic substances, pollution, and bacteria. One of the nearly everyone imperative and fundamental tasks in the area of development is the study of plant sickness. Using plant sickness identification procedures will often impede it. It takes a grouping of skill to physically detect, screen for, and treat plant illnesses. unpaid to the enormous amount of effort and the absurd amount of planning required, representation giving out is employed to diagnose plant diseases. Using AI estimate that obtain into story innovations like dataset construction, load photos, pre-getting ready, division, include extraction, preparation classifier, and characterization, plant sickness order should be conceivable. The chief purpose of this investigation is to fabricate a mock-up that classifies leaves into solid and unhealthy categories and forecasts plant illnesses. In this work, experts developed a model to recognize a few unique harvests and 26 illnesses from the public dataset, which includes 54,306 images of sound plant leaves and illnesses that were collected under controlled conditions. The ResNets calculation was the topic of this research. A unit of the false brain organization (ANN) is a remaining brain organization (ResNet). A leftover block from the ResNet calculation know how to be old too resolve the disappearing/exploding inclination issue. Making Leftover Organization also uses ResNet calculations. ResNets achieve a better product for the picture order.



Project Report on SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

JAI SHANKAR M

1RR21MC025

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Mrs. Deepa K R

Asst. Prof, Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. JAI SHANKAR M bearing USN:1RR21MC025, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Applications.

Guide

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengalura-560074

Head of the Department Dr. T. Subburaj MCA. HOD Benginpent of MCA- pineering Rajarajashara Bangarora 199020014.

enda

External Guide Mr. Sainadh Panda Embedded Software Developer ILACS Technologies Bengalura-560078

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EXTERNAL VIVA

Name of the Examiners

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Signature with Date



Certification

This is to certify that Mr. Jaishankar M (USN : 1RR21MC025) undergoing MCA from "RajaRajeswari College Of Engineering", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "speech emotion feelings recognition biometric using machine learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)



Face authentication is now widely used, especially on mobile devices, rather than authentication using a personal identification number or an unlock pattern, due to its convenience. It has thus become a tempting target for attackers using a presentation attack. should be strong, Detecting Stress Using Wear ables They may be challenging to nsor because of this, and remember, and should be changed regularly to ensure security. Personal identification numbers and unlock patterns are more convenient than passwords, but the user is still required to remember them, and people nearby may be able to steal a peek at them. An even more convenient method is biometric authentication, which uses a biometric trait unique to the user, eliminating the need to remember anything. This article suggests employing public-key encryption along with keyword search to effectively reduce the computing workload of biometric identification systems while maintaining privacy. Fully homo morphic encryption is used for template protection to ensure the biometric data is protected over the long term. Since they are all lattice-based, applied cryptographic algorithms also provide post-quantum security. The system maintains the unprotected system's recognition accuracy throughout. The system determines if the person is authorised or not. If the user is authorised, they are able to examine the original data; otherwise, they are unable to do so. The system uses a random forest classifier to determine whether a person is authorised or not by utilising a machine learning algorithm.



Project Report on

"Deep Learning And sentiment analysis-Based Cryptocurrency Price Prediction

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATION

By JAVEED PASHA 1RR21MC026

Under the Guidance of Vaibhava Sindhu Project Coordinator ILACS Technologies J.P. Nagar, Bangalore 560010

Mrs.DEEPA K R

Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. JAVEED PASHA bearing USN:1RR21MC026, bearing students of 4th semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "Deep Learning And Sentiment Analysis-Based Cryptocurrency Price Prediction" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer

Applications.

ernal Guide

Mrs. Deepa K R

Associate prof Department of MCA RRCE, Bengaluru-560074 560078

Head of the Department

Dr. T Subburaj

Department of MCA Rajarajeshvint Conserve 074. Beng: Bangateso 7400 074. Lt

Ex ternal Guide Vaibhava Sindhu,

Project Coordinator ILACS Technologies J. P. Nagar, Bangalore -

Principal of RRCE

Berfgalbird 1560074 COLLEGE OF ENGINEERING Ramphail Cross, Centralium 70

EXTERNAL VIVA Ramohaili

Signature with Date

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Name of the Examiners



In the last few years, use of social networking sites has increased tremendously. People use social media platforms to share their views on almost all subjects. These views are in various forms like, blogs, tweets, Facebook posts, online discussion boards, Instagram posts, etc. Sentiment analysis deals with the process of computationally defining and classifying the views expressed in the comment, post or document. Typically, the aim of sentiment analysis is to find out the customer's attitude towards a product or service. The proliferation of user-generated content on social media has made opinion mining an arduous job. As a microblogging platform, Twitter is being used to collect views about products, trends, and politics. The cryptocurrency market has been developed at an unprecedented speed over the past few years. Cryptocurrency works similar to standard currency, however, virtual payments are made for goods and services without the intervention of any central authority. Although cryptocurrency ensures legitimate and unique transactions by utilizing cryptographic methods, this industry is still in its inception and serious concerns have been raised about its use. Analysis of the sentiments about cryptocurrency is highly desirable to provide a holistic view of peoples' perceptions. In this regard, this study performs both sentiment analysis and emotion detection using the tweets related to the cryptocurrency which are widely used for predicting the market prices of cryptocurrency.



Project Report on

"Smart contract-based agriculture food supply."

By

JAYASHREE P NIROLLI USN: 1RR21MC027

Under the Guidance of

Mr. Vaibhava Sindhu IlacsTechnologies, Project Manager Bengaluru-560104

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074



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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] JAYASHREE P NIORLII bearing USN:1RR21MC027, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Smart contract-based agriculture food supply" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

GUIDE

Mrs. Deepa K R Assistant Professor Department of MCA RRCE, Bengaluru-560074

HOD

Dr. T. Subburaj Department of MCA, RRCE, Bengaluru-560074

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EXTERNAL GUIDE

Mr. Vaibhava Sindhu HacsTechnologies Project Manager Bengaluru-560104

Dr. R Balakrishna Principal of RRCE, Bengaluru-560074

RAJARAJESWARI COLLEGE OF ENGINEERING Tamohalli Cross, Bringenero 27

External Viva

Name of the Examiners

1.....

2.....

Signature with Date



Certification

This is to certify that Ms. Jayashree p nirolli (USN : 1RR21MC027) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed her project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Smart contract based agriculture food supply."

She has been found hardworking to the best of our knowledge and satisfaction during her tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

July 2023 Special Issue 1 Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582-0397 HANLAX INTERNATIONAL JOURNALS additor (Datasales a junit A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS **RAJARAJESWARI** COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Norolle (IRP2IMCO27 ayashue In recognition of the Publication of the Paper Entitled Smart Agreculture 1000 Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES no Argent Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

The complexity of a store network makes it extremely challenging to follow item wellbeing or quality worries, especially in the key farming food supply chains of individuals' everyday feasts. Numerous fundamental issues plague existing Farm alimentary networks have challenges such as data distrust amongst users and the centralised system, hard to interact as a effect of long supply chain periods, and various actors. This blockchain invention exposition successfully addresses the difficulty spot concern that occurred in the agricultural food store network identification architecture. This article describes a structure that utilises consortium and intelligent agreements for tracking and tracing the processes of farming food chains, implementing tracking and sharing across supply chains, and breaking down details as broadly as feasible in companies to remove the demand for central agencies and organisations whilst expanding purchases capture honesty and reliability, and security. as well as safety. Growers capture climatic and agrarian data on development in the Inter-Planetary File System (IPFS) and record file IPFS passwords in smart contract forms at the sametime, whichot only increases data security but also mitigates the bitcoin space inflation concern. This framework was utilised by ShanweiLvfengyuan Contemporary Agricultural Investment Co., Ltd. Despite a amount of limitations, the design has successfully incorporated elements such as separation and tracking for farming products via QR codes. As a outcome, the technique presented in thispaper is critical for organisations wishing to ensure the security and quality of products accountability.

Keywords: Blockchain technology, Supply chain management, Traceability, Transparency, Efficiency.



Project Report on

"Fraud Detection on bank payment using Machine learning."

By JYOTI A DESAI USN: 1RR21MC028

Under the Guidance of

Mr. SAINADH PANDA,

CBNL, Project Coordinator Bengaluru-560104

MRS. PRIYANKA V GUDADA

Assistant Professor Department of MCA RRCE, Bengaluru-560074



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore Road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr/Ms.] JYOTI A DESAI bearing USN:1RR21MC028, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Fraud Detection on bank payment using Machine learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications

INTERNAL GUIDE

Mrs. PRIYANKA V GUDADA Assistant Professor Department of MCA RRCE, Bengaluru-560074

HOD Dr. T. Subburaj Department of MCA, RRCE, Brugabyru-S60074

Department of M.C.A. Sjarajestiwari College of Engineering Bangatore - 500 074.



EXTERNAL GUIDE

Mr. SAINADH PANDA, CBNL, Project Coordinator Bengaluru-560104

K+KK 14/7/23 PRINCIPAL

Dr. R Balakrishna Principal of RRCE, Bengahuru-560074

Principat RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengalura 24

External Viva

Signature with Date

Name of the Examiners

1.....



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com Ph : 9943994481 Vol. 11 Special Issue 1 July 2023

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate OF PUBLICATION

We hereby certify that

Jyoli. A. Desal (IRROIMCO28)

In recognition of the Publication of the Paper Entitled Fraud detection on bank payments

using Machine Learning Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

in Auguritan Dr. N. Ayyanathan

Editor in Chief

Er. S. Lakshmanan The Publisher

This article discusses fraud detection and strategies to fully automate it. It has become has become into a 23 necessity for everyone bank to detect fraud. Fraud is becoming increasingly prevalent, which finishes in many damages for the banks. Transactions create unique challenges for fraud exposure due to a scarcity of short-term processing. The foremost task is a feasibility study of chosen fraud detection methods. With the aid of models, these transactions are to be tested individually and further proceeded. We first define a detection task: attributes of the dataset, the metric choice, and any techniques to control such unbalanced datasets. This leads for the reason why underlying pattern generating the dataset results: For example, cardholders may improve their purchasing habits over periods, and fraudsters may change their tactics. Later, we highlighted several methods used to obtain the sequential features of credit card relations.

The practice of obtaining financial gains by dishonest and unlawful means it is known as financial fraud. Financial fraud, which is definite as the usage of dishonest methods to obtain financial gains, has recently grownup to be a severe threat to businesses and organizations. Despite several initiatives to curtail financial scam, it continues to negatively impact society and the economy since daily losses from fraud amount to significant sums of money. Several approaches for noticing fraud were originally made available several years ago. The common of old procedures are manual, which is not only timeconsuming, expensive, and inaccurate, but also unworkable. More research is being conducted, however they are ineffective at reducing losses brought on by fraud. Standard techniques for identifying these fraudulent activities, like human verifications and inspections, are inaccurate, expensive, and timeconsuming.

Keywords: Fraud detection, Machine learning, Bank payment, Fraud prevention, Risk management, Transaction monitoring, Anomaly detection, Pattern recognition.



Project Report on

"PNEUMONIA DETECTION USING DEEP LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

BY

LIKHITHA K B

1RR21MC029

Under the Guidance of

Mrs. Vaibhava Sindhu Project Coordinator BLITZ Technology. Bangalore-560078

Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bangaluru-560074



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Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. Likhitha K B bearing USN:1RR21MC029, student of 4th semester MCA has satisfactorily complete the **Project work – 20MCA44** entitled "PNEUMONIA DETECTION USING DEEP LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj Department of MCA RRCE Bengalurut Scoo74 Defailed College of Engineering cajarajoshwari College of Engineering Bangalore - 560 074.



External Guide Vaibhava Sindhu Project Coordinator BLITZ Tech. Bengaluru-560078

Principal Dr. R. Balakrishna Principal of RRCE Bengaluru - 560074 Frincipal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

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Signature with Date

EXTERNAL VIVA

Name of the Examiners

1.....



Certificate

Dear sir/Madam

BLTTZ

This is to certify that <u>Ms. Likhitha K B</u> from "Rajarajeswari college of engineering", Bangalore with (USN: 1RR21MC029) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Pneumonia detection using Deep learning.

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.biltztechnology.co.in / E-mail : hr@biltztechnology.co.in / info@biltztechnology.co.in Ph : 9501423924 <text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

OF PUBLICATION

We hereby certify that

Lithitha .K.B

In recognition of the Publication of the Paper Entitled Preumonia Detection Using Deep Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES N HAT

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

Pneumonitis is a fatal disease and this harms human respiratory system. It makes the air sacs of lungs inflammatory. It can happen due to viral or bacterial infections. It creates difficulty in breathing and causes pain. It can be severe and fatal if not treated at the earliest. So, the detection of pneumonia is needed as soon as possible. Hence Making an is the initiative's primary goal. self-learning model whose training is done on multiple digital X-rays of chest to detect the pneumonia patients. This can help in the quick diagnosis of disease and give the treatment at the earliest. The model is trained on the ResNet and finetuned to give a good accuracy and prediction. The fine-tuned model can accurately classify the disease at 91% of accuracy.

Pneumonia is a severe and a widespread virus that kills millions of people year. It is a important factor to death, claiming over four million lives annually. Early detection of pneumonia is critical for prompt and useful health service significantly enhances patient outcomes. Unfortunately, accurately diagnosing pneumonia can be challenging, especially in resource limited settings where access to trained medical professionals is limited. Long-term learning is currently capable of a potent technique for analysing medical pictures in the past decade. It offers the potential to significantly increase pneumonia detection's precision and effectiveness, perhaps potentially preventing fatalties. Large volumes of knowledge can be analysed by systems that employ deep learning quickly and accurately, allowing medical professionals to make more informed decisions.
VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "A CARDLESS TRANSACTION USING BIOMETRIC

TRIATS FOR AUTHENTICATION"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MADHUKUMAR AP

1RR21MC031

Under the Guidance of

SURESH M P

Project Manager Dream Buzz solutions Mysore -570017

Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore Road Kumbalgodu, Bengahuru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. MADHUKUMAR A P bearing USN:1RR21MC031, student of 4"semester MCA has satisfactorily completed the Project work-20MCA44 entitled " A Cardless Transaction Using Biometric Triates For Authentication " in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Applications.

EXTERNAL VIVA

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Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengahuro-\$60074

1 (120

Head of the Department Dr. T. Subburaj HOD, Department of MCA RRCE Bartine D. 19974 A Rajarajeshvisin College of Engineering Bangatore - 560 614.

Name of the Examiners.

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LADAR DULL SOLUTION SUMMENS

External Guide Mr. Suresh M P Project Coordinator Dream Burz Solutions Mysuru - \$70017

Principal

Dr. Balakrishna R Principal of RRCT Bengalura-560078

BADAUSTERSON COLLEGE OF STREET, STR

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Traditional Automated Teller Machine (ATM) systems have long relied on physical cards as the primary means of user identification and authentication. While effective to some extent, this method poses certain security risks such as card theft, unauthorized access, and inconvenience in case of card loss. To address these concerns there is growing enthusiasm for developing card-less ATM systems that utilize approaches for biometric identification such as Face and fingerprint recognition, to enhance security and convenience.

Biometric identification offers a promising solution by leveraging unique physical and behavioural characteristics of individuals. Face and fingerprint recognition are among the most used biometric methods because of their distinctiveness and simplicity capture. These techniques rely on sophisticated algorithms an deep learning how to model accurately analyse and match biometric data, enabling reliable user authentication.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI



Project Report on DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MAHADEV PRASAD H S

1RR21MC032

Under the Guidance of

Mr. Raghavendra Guligare Project Manager

Webblitz Softwares Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Mr. Mahadev Prasad H S bearing USN:1RR21MC032, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

EXTERNAL VIVA

16.02 Internal Guide

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Abren

Head of the Department

Dr. T Subburaj

Department of MCA Benjarty and of M.C.A. Bangalurun Scillion of M.C.A. Bangalurun Scillion of M.C.A. Bangalurun - 500 074.

External Guide

Mr. Raghavendra Guligare Project Manager Web blitz Software Bengaluru-560010

Principal

Dr. R. Bałakrishna Principal of RRCE Bengaluru - 560074

RAIARAIESISANI COLLECE OF ENGINEERING Ramohalli Create, Benguarae24

Signature with date

Name of the Examiners

2.....

1.....



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr. Mahadev prasad HS (USN: 1RR21MC032) from "RajaRajeswari College of Engineering"Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title :* DEEP LEARNING REALLY CREATE AN IMPACT IN VEHICLE TRAFFIC FORECASTING.*

We wish him all the best and success in all future endeavours.

Regards,



Raghavendra Guligare

2536. fat Floor, MKK Road, Near Kurempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in infu@webblitz.co.in Ph : 7405854253

Vol. 11 Special Issue 1 July 2023 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 HANLAX INTERNATIONAL JOURNALS editor Desarias journals. A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS **RAJARAJESWARI** COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 Certificate OF PUBLICATION We hereby certify that Mahader Prasad HS (IRR21MC032) In recognition of the Publication of the Paper Entitled Deep Learning Really Create an Impact Traffic Forecasting Vehicle in Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Angon Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Today's cities must deal with the issue of sustainable transportation, and anticipating traffic conditions is crucial to reducing traffic congestion. For instance, in navigation and route planning applications, forecasting path travel time is a key problem. Additionally, the widespread adoption of information and communication technology makes vehicle data a crucial source of real-time information for applications involving intelligent transportation systems. Data about traffic congestion and the difficulty of forecasting it are accessible. The capabilities of neural network methodologies are illustrated through a comparison of deep learning techniques.LSTM (Long Short Term Memory) in resolving the issue of traffic forecasting. Various tests are suggested to not only assess the developed Machine learning (Linear regressionmodels, but also to examine the extent to which traffic forecasting result reduce the loss value.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "A RESPONSIVE WEB VIEWAPPLICATION FOR ORPHANAGE

CONNECTING AND ADOPTION"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MALLIKARJUN BASAVARAJ YANKANCHI 1RR21MC033

Under the Guidance of

SURESH M P

Project Manager Dream Buzz solutions Mysore -570017

Mr.Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA RajaRajeswari College of Engineering, Bangalore



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr.MALLIKARJUN BASAVARAJ YANKANCHI bearing USN:1RR21MC033, bearing students of 4th semester MCA has satisfactorily completed the Project work 20MCA44 entitled "A Responsive web view application for orphanage connecting and adoption" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mr.Shreedhar Maruti Kumbhar

Assistant professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MGA: A. Dopart MGA: A. CojatoRRCE; Bengalum - 560074¹⁹ Bangaloro - 500 074.

Name of the Examiners

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For DREAM BLIZZ SOLUTIONS ONHM ACT SIRBORN

External Guide Mr.Suresh M P

Project Coordinator Cbnl Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishna Principal Principal of RRCERAJARAJESWARI RRCE, BengautiGESaberaGINEERING Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Signature with Date



PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. MALLIKARJUN BASAVARAJ YANKANCHI (Reg No: 1RR21MC033), a bonafide student of RAJARAJESWARI COLLEGE OF ENGINEERING was appointed as project intern to work on the project entitled as "A RESPONSIVE WEB VIEW APPLICATION FOR ORPHANAGE CONNECTING AND ADOPTION" for our

organization during April 1st 2023 to July 31st 2023, and has successfully completed thesystem analysis/coding/testing and implementation for this project.

During his/her tenure we have found him/her to be committed and punctual up to the industrialstandards. We wish him/her all success in their future endeavors.

Warm regards,

Suresh M P Head of the company

+91 88846 44589 Dreambuzz.in info@dreambuzz.in Vijayanagar 2nd Stage

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate

We hereby certify that

Mr. Mall Hearjun Basavaoraj yankanchi

(IRRDIMC033)

In recognition of the Publication of the Paper Entitled A gresponsere web vsew applecation for onphanage connecting and adoption

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

~ Agrinding

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The motivation behind this task is to address the basic requirement for a unified stage that interfaces shelters with planned new parents. By utilizing the force of innovation, our web view application means to overcome any barrier between shelters lodging kids needing cherishing homes and people or families looking to embrace. The objectives of our web view application are twofold: to give halfway houses a stage to feature profiles and data about the kids accessible for reception, and to enable expected new parents to look, associate, and start the reception cycle in an easy to use and effective way. Through this application, we endeavour to smooth out the reception interaction, diminish obstructions, and establish a protected and strong climate for the two halfway houses and new parents. By utilizing the force of web innovations, we expect to make a stage that works with associations as well as encourages straightforwardness, trust, and ideal correspondence.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Explainable Symptom-Based Artificial A template for thinking for leukaemia Detection

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MANOJ S

1RR21MC034

Under the Guidance of

Mr. SAINADH PANDA Project Coordinator Clout Business Network limited Bengaluru-560078

Dr. T SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. MANOJ S bearing USN:1RR21MC034, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Explainable Symptom-Based Artificial A template for thinking for leukemia detection" in the academic year 2022-2023 as precribed by VTU for IV Semester of Master of Computer Application.

Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor, Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T. Subburaj Department MMCD. RRCTo Bangalura-560%74C.A. Rajarajeshwari Concept of Engineering Bangalore - 560 074.

Stuchpoola

External Guide Mr. Sainadhpanda Project Coordinator Clout Business Network limited Bengaluru-560078

Principatipal DR/Balakrishna, R COPPSIDD PIBRON ERING Bengaluru-560078 Ramolian Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

I..... 2

Signature with Date



Project Completion Certificate

Dear sir/madam

CBN

This is to certify that Mr. Manoj S (USN: 1RR21MC034)from-Raja Rajeswari College of Engineering ", Bangalore, has successfully completed his project from April 2023 to July 2023.

During project He has implement Advance Frameworks & He was very much interested to learn the functions of our core sector .

Title:" Explainable Symptom - Based Artificial A template for thinking for Leukemia Detection"

Regards,

Sainadh Panda



Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 568010 Website : www.cbnltech.com E-mail : hr@cbnltech.com / info@cbnltech.com 1h : 9945994481

July 2023 Vol. 11 Special Issue 1 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 INTERNATIONAL JOURNALS editor@chanlasjoursels.com | www.shanlasjournels.com A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Manoj S (1RR21H (034) In recognition of the Publication of the Paper Entitled Explainable Symptem Based Artificial-A mplate for thinking for Leukaenia Detection Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES N MA Dr. N. Ayyanathan Er, S. Lakshmanan Editor in Chief The Publisher

Along with to being fatal by nature, leukaemia is also very costly to treat. But early aemia discovery can save both lives and funds to those affected, particularly kids, for whom leukaemia is a common cancer type. The clarified trained machine learning model we offer in this research reliably identifies the risk of early-stage cancer using just symptoms. We additionally employ two machine learning methods, naive bayes decoder and geometric support machine, to show the power of each features on the dataset and enhance the outcomes of classifying models. Several ML models are trained on some of the data input and then tested on the related subset of data.

This procedure is called cross-validation in Cross-validation can accustomed to spot overfitting. The reliability, accuracy, recall, and the F-value were all highest for the based on results SVM method.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018, Karnataka, India



Project Report on

AIR QUALITY PREDICTION BASED ON MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MEGHANA R

1RR21MC035

Under the Guidance of Mr. Sainadh Panda

Project Coordinator

CBNL tech.

Bangalore-560078

Mr. Shreedhar Maruti Kambhar

Assistant Professor

Department of MCA

RRCE, Bangaluru-560074



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2022-2023

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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms. Meghana R bearing USN: IRR21MC035, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "AIR QUALITY PREDICTION BASED ON MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

EXTERNAL VIVA

Internal Guide Mr. Shreedhar Maruti Kambhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

10mm

Head of the Department Dr. T Subburaj Department of MCA RRCE, Bengaluru - 5699749 Jangalore - 550 574. Bangalore - 550 574. External Guide

Mr. Sainadhpanda Project Coordinator CBNL tech. Bengaluru-560078

Principal

Dr. R. Balakrishna Principal of RRCE Bengalura 550074 BAMARAJESWARI COLLEGE OF ENGINEERING Ramohalli Crass, Bengalura-77

Signature with Date

Name of the Examiners

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Vol. 11 **Special Issue 1 July 2023** E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X NLAX INTERNATIONAL JOURNALS retur Bas A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 OF PUBLICATION We hereby certify that Meghana R(IRR 21MC035) In recognition of the Publication of the Paper Entitled Machine Learning for Air Quality Prediction Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ he Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Given the rapid industrialization that has occurred in recent years, initiatives to safeguard the environment cannot be successfully ensured. Worryingly serious environmental difficulties that have over time grown to be the main issue harming the quality of life in the country. Therefore, in order to comprehend the potential air pollution process beforehand, we need to construct a reasonably good air quality prediction model. Conferring to the model's projected findings, it is crucial to set up and implement the appropriate controls to lessen smog. This learning makes wideus age of data mining techniques including smart optimisation algorithms, neural networks, and mutual data theory. As a training set and test set, we employ the fundamental information from open measuring locations that predicts long-term air quality. First, the association between all the monitored toxins is examined using the SOM neural network model for unsupervised grouping of pertinent pollutant data.

In many industrial and urban regions today, assessing the air quality has developed one among the most significantactions for the residents. The many types of pollution brought on by the use of power, transportation, fuel, etc. have a detrimental influence on the air quality. The accumulation of dangerous gases is seriously affecting the superiority of life in smart cities. We must implement effective air quality monitoring and prediction models that gather data on pollutant concentrations and provide assessments of local air pollution in command to covenant with the rising levels of air pollution. Particulate matter is composed of microscopic solid or liquid droplets that are so minute that breathing them in can have serious consequences on one's health. As a result, assessing and forecasting air quality has grown in significance. We will discuss the Random Forest Technique in this suggested system as a means of predicting and measuring pollution in large cities.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"MEDICAL GPT USING DEEP LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

MONIKA R

USN: 1RR21MC036

Under the Guidance of DR. S. USHA Dean R& D, RRCE Bengaluru-560074

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of Master of Computer Applications RajaRajeswari college of engineering, Bengaluru



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] MONIKA R bearing USN:1RR21MC036, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Medical GPT Using Deep Learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide

Mr. Shreedhar K Assc. Professor Department of MCA RRCE, Bengaluru-560074

HoD

1 pm Dr. T. Subburaj Department of MCA RRCE, Bengaluru-560074

Department of M.C.A. Bajarajeshwari College of Engineer 9 Bangalore - 560 074.



External Guide Dr. S. Usha

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Dean R& D, RRCE Bengaluru-560074

Principal Provision

Dr. R Balakrishna **Principal of RRCE** Bengalury,560074

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners

1.....

2.....

Signature with Date

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RajaRajeswari College of Engineering



Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliate to Yisvervaraya Technological University, Belagavi J #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Ms. Monika R [USN NO. 1RR21MC036] M.C.A. Final year student has done project work on "Medical GPT Using Deep Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

D. Or. Let With Regards

Dr. S Usha Dean R&D, RRCE, Bengaluru

RAJARAJESWARI COLLEGE OF ENGRIELING BENGALURU - 560 074,

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Benzalutu - 550074



<u>www.rrce.org</u> admission@rrce.org Ph.No:9008845678



It is necessary to have good health to live a happy life. However, obtaining a doctor's consultation for any health issue is quite complex. Here the concept is to use the Artificial Intelligence to construct a medical chatbot or a medicalGPT that can detect the illness and provide the basic information about them before consulting a doctor. The increasing demands and complexities in the healthcare industry have sparked the development and implementation of innovative solutions to provide the facility for the patient care. One such solution is the utilization of healthcare chatbots or MedicalGPT, which influence the artificial intelligence and natural language processing techniques to connect with patients and provide them with personalized and effective healthcare services. By enabling automated conversations and providing the real-time responses, chatbots have the potential to streamline the healthcare process, alleviate the burden on healthcare professionals and improve patient satisfaction. Some of the applications of healthcare chatbots across different domains include symptom assessment and triage, medication reminders and adherence support, mental health counseling, health monitoring and feedback, appointment scheduling, and general health education.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "MorseSpectraNet : A Concordant Synapse Morse Recognition and Detection Network by Deep Learning"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By NIRANJAN R

1RR21MC037

Under the Guidance of

Dr. S. Usha

Dean R & D

Department of CSE

RRCE, Bengaluru-560074

Mr. Shreedhar Maruti Kumbhar

Assistant Professor Department of MCA

Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to certify that Mr. NIRANJAN R bearing USN: 1RR21MC037, student of 4th Semester MCA has satisfactorily completed the Project work - 20MCA44 entitled "MorseSpectraNet: A Concordant Synapse Morse Recognition And Detection Network By Deep Learning" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

4.92

Internal Guide Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

DP:TSubburáj^{M.C.A.} Rajarajethouring Department of MCA

RRCE, Bengaluru - 560074

External Guide Dr. S. Usha Deage R. K. Research & Innovation Department of CSE Head Dept of Computer Science & Engineering RRGE: Bengaluna 560074 neering

Principa

Dr. R. Balakrishna Principal Principal of BRASESWARI RRCEOBEIgaRine SOURPANG Ramohalli Cross, Bengaluru-74

Signature with Date

..............................

EXTERNAL VIVA

Name of the Examiners

1.....

2.....



CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Mr. NIRANJAN.R [USN NO 1RR21MC037] MCA. Final year student has done project work on "MorseSpectraNet : A Concordant

Synapse Morse Recognition And Detection Network By Deep Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering,

Bengaluru towards the fulfilment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

With Regards

Dean R&D,

RRCE, Bengaluru. Dr. S. USHA DEAN - Research & Innovation Professor & Head Dept of Computer Americe & Engineering Rajarajeswari College of Engineering

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Ben⊋aluru - 550074



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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertificate

We hereby certify that

Niranjan . R (IRR2INCO37)

In recognition of the Publication of the Paper Entitled <u>Morse Spactra net: A Concordant Synaple Mosse</u> <u>Recognition and Detection Network by Deepharning</u> Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agan

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The use of short-wave radio is crucial long-distance communication medium, and Morse's signals, which prioritize clarity and effectiveness, are used in both armed forces and civilians purposes. Despite years of study, many severe challenges in real communication have always limited the performances of systems for automatic Morse detectioning and identification. Using deep learning, we present MorseSpectraNet, a network that can detect as well as spectrogram Morse symbol decoding. The identification and detection modules of MorseSpectraNet may collaborate to extract relevant data using shared convolutions. For identification, Morse codewords obtained from feature plans are served into a Convolutional Re-current Neural Network (CRNN), whilst signal centrelines are utilised to regress bounding boxes for detection. To complete the training, the training loss of two distinct limbs are pooled. Experimental findings on four "simulated Morse + actual background" datasets show stateofthe-art detection and identification performance, demonstrating the suggested method's usefulness in overcoming four difficulties that has long prevented its implementation. MorseSpectraNet's integrated training approach and architecture outperforms in terms of accuracy, speed, and model size, its two-stage deployment.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

PRIVACY –PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING.

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

NISARGA B

1RR21MC038

Under the Guidance of

Mrs. Ajitha Embedded Software Developer Blitz Technology Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-202
#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Nisarga B, bearing USN:1RR21MC038, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "PRIVACY -PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer

Applications.

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Internal Guide Mr.Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE,Bengaluru-560074

< mmb

Head of Department Dr. T.Subburaj Department DFMCA, RRCE, Bengalum, 560074 Rajarajesnivari Contege of Engineering Bangalore - 560 074.

External Guide Mrs Ajitha Project Coordinator Blitz Technologies Bengaluru-560078

- Principal Dr.Balakrishna.R, Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

EXTERNAL VIVA

Name of the Examiners

1).....

2).....

Signature with Date



Certificate

Dear sir/Madam

CHNOLOG

This is to certify that <u>Ms. Nisarga B</u> from "Rajarajeshwari college of engineering", Bangalore with (USN: 1RR21MC038) has successfully completed her project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing

During the project work , She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591423924

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RAJARAJESWARI COLLEGE OF ENGINEERING
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Certificate
We hereby certify that
Nisarga B(IRR21MC038)
In recognition of the Publication of the Paper Entitled Big Data Privacy - Preserving Data Encryption
Strategy in Mobile Cloud Computing
Published in
SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
~ Agrindan Ref.
Dr. N. Ayyanathan Er S Lakehmanan
Editor in Chief The Publisher

Privacy maintaining the encryption of data method is the process of encrypting dataset on big data in mobile computing. It selectively encrypts the grouping of it and its use for confidentiality under time limitations. Dynamic data selection and encrypting data required execution time. We use (D2ES)Algorithms for variable encryption of information for security of privacy. Many modern programmes forego data encryptions in order to balance security issues and a proper performance level. In this we are identifying the path when the record is transfer to the node. While transforming the file will be compressed and it sends to the receiver node. When receiving process file will be decrypted and merged and finally that will be outlet in the cloud server storage. We propose By applying necessary time to execute needs, safeguarding confidentiality is made possible.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

CROP CARE SUITE USING MACHINE LEARNING

Submitted in partial fulfilment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

NISCHITHA A P

1RR21MC039

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&I RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department

Department of MCA

RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Ms.NISCHITHA A P bearing USN:1RR21MC039, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "CROP CARE SUIT USING MACHINE LEARNING" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

ENAM

Internal Guide

Shreedhar Maruti Kumbhar Assistance professor

Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MCAC A Department of MCAC A is engineering ajRUCE: Bengalury, 560074

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Principa Dr. R. Balakrishna

Contraction of the second

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7*

Signature with Date

.....



RajaRajeswari College of Engineering



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PROJECT CERTIFICATE

This is to certify Ms. NISCHITHA A P [USN : IRR21MC039], a student of RajaRajeswari College of Engineering, has successfully completed the "CROP CARE SUITE USING MACHINE LEARNING" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

p. any ..

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Protestor & Head. Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BEINGALURU - 560 074.

July 2023 Special Issue 1 Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 HANLAX INTERNATIONAL JOURNALS editor@shanlas)ournats.co A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertificate OF PUBLICATION We hereby certify that Nischitha A P (1RR214(039) In recognition of the Publication of the Paper Entitled Crop Care Suite Using Machine Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ An Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Crop Care Suite is an advanced agricultural solution itjointlystrength of machine learning, the Flask framework, and specialized modules for crop recommendation, fertilizer suggestion, and plant disease detection. This comprehensive system analyzes crucial factors such as soil type, weather conditions, historical data, crop selection, soil composition, nutrient requirements, and image processing to provide farmers with accurate and personalized insights. By leveraging state-of-the-art ML algorithms, picturerunningmethods, and the versatility of the Flask framework, Crop Care Suite aims to revolutionize traditional farming practices. The primary objective of Crop Care Suite is to optimize crop productivity and reduce yield losses through intelligent decision-making. By considering factors like soil type and composition, the system generates precise recommendations for suitable crops and optimal fertilizer application. This data-driven approach ensures that farmers make informed choices and maximize their harvests while minimizing resource waste. Important characteristic of Crop Care Suite is its plant illness detection module. By analyzing images of plants, the system can identify changes of diseases and provide timely alerts to farmers. This early detection enables proactive measures to be taken, avoiding the flow of diseases and minimizing crop damage. Through accurate disease diagnosis and targeted treatment recommendations, Crop Care Suite helps farmers maintain the health and vitality of their crops. The implementation of Crop Care Suite is facilitated by the Flask framework, which provides a robust and flexible foundation for building web applications. Flask allows for seamless integration of various components, enabling the smooth operation of the crop recommendation, fertilizer suggestion, and disease detection modules. Its lightweight nature and extensive documentation make Flask an ideal choice for developing user-friendly interfaces and efficient data processing pipelines. Crop Care Suite is a groundbreaking agricultural solution that harnesses the power of machine learning, the Flask framework, and advanced modules for crop recommendation, fertilizer suggestion, By considering crucial factors and providing personalized insights, this system empowers farmers to optimize their farming practices, increase crop productivity, and mitigate yield losses.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on A Data Analytical Approach To The Cybercrime Underground TO Economy

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Nischitha M

1RR21MC040

Under the Guidance of

Ms.Kasthuri

Software developer

Techciti software pvt.ltd-Bangalore

Mr.shreedhar Maruthi Kumbhar

Assistant Professor Department of MCA RRCE,Bengaluru-560074



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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Nischitha M bearing USN:1RR21MC040, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "A Data Analytical Approach To The Cybercrime Underground to Economy" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide Mr.Shreedhar Maruthi Kumbhar

Assistant Professor Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr. T Subburaj FLOD Department of MCAC.A.

Bangatore - 560 074.

EXTERNAL VIVA



External Guide Miss.Kausthri

Project Manager Techciti Software Pvt.ltd Bengaluru-560104



Principal of RRCE Bengaluny 560074 COLLEGE OF ENGINEERING Samoballi Cross, Bengalury 74

Signature with Date

Name of the Examiners

1..... 2.....



TechCiti Software Consulting Private Limited D-U-N-S No. : 86 14 54180

CIN: U72900KA2018PTC117376

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 0804162 8482 Email : info@techcitisoftware.in Website: www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT 5261 Date: 13th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Nischitha M (USN: 1RR21MC040) pursuing MCA from Rajarajeshwari College of Engineering, Bangalore has successfully completed her project with our company, she has been working on the project title: "A Data Analytical approach to the Cybercrime Underground to Economy" under the domain: Machine Learning with Python from April, 2023 to July, 2023.

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely,



Manager Human Resources Department TechCiti Software Consulting Private Limited

> Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7th Phase, Bengalura, Karnataka 560078. Landline: 080 4162 8482 Email: info@techcitisoftware.in Web: www.techcitisoftware.in



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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertiki OF PUBLICATION

We hereby certify that

Nishitha M(IRR21MC040)

In recognition of the Publication of the Paper Entitled <u>A Oata Analytics Approach to the</u> Cybercrime Underground Economy

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agming

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

As we know the largest trouble done by cyber-attacks (e.g., Malware, Denial-of- service, phishing, inside Threats) and cyber-crimes done day-to-day in some particular Institutions, the government sector, and some organizations struggled, with the cybercrime done by some of the new organizations through cyber-attackers. they operate dark websites markets and ethical hacking attacks successfully.Cybercrime huge network troubles are arises of highly recommended network-based (e.g., Malware, phishing, Caas) cuber-crimes most of done in some business models.Some research is growing for unauthorized to access Information and guide information to the practical situation of cyber security and they improve implement applications.

Underground Economy chance to lose money and secrete banking information and financial information they attack. Might know that underground criminal business model crime-as-a-service (Caas) we have chance losses financial and banking information. Some of the group of hacking community the can be understand of the large set information and they develop the strategy and implement design and algorithm. Furthermore, it provide the practical information and how the government and organization its takes a action against cybercrime. for example in 2017 Wanna Cry 100 country for nearly 45000 attacks against the cybercrime.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY

Submitted in partial fulfilment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

PRASAD H R

1RR21MC041

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&I RRCE, Bangaluru-560074

Dr. T Subburaj

Associate prof. and Head of the Department Department of MCA

RRCE, Bangaluru-560074



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2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr.PRASAD H R bearing USN:1RR21MC041, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

Shreedbar Maruti Kumbhar Assistance professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj Department of MCAt C.A. Depart of MCAt C.A. BECE: Beingalunisa560074

EXTERNAL VIVA

Name of the Examiners

1..... 2..... Low External Guide Dr. S Usha Dean,RRCE Department of R&D RRCE,Bengaluru-560074

Principa

Dr. R. Balakrishna

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARJ COLLEGE OF ENGINEERING Ramohalli Crass, Bengaluru-7/ Signature with Date



RajaRajeswari College of Engineering



(Approved by AICTE, New Delht, Gave, of Ramataka, Allifered to Viveervaryay Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Mr. PRASAD H R [USN : IRR2IMC041], a student of RajaRajeswari College of Engineering, has successfully completed the "BUG TRACKING FOR IMPROVING SOFTWARE RELIABILITY" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated his knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

> Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENIGALURU - 560 074,

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	Or ENGI	NEEKING
	#14, Ramohaui Cr Mysore Road, Ban	galore - 560074
	Certifice	ate
	We hereby cert	ify that
	Prasad H R 4	RR21MC041)
	In recognition of the Publication Bug Tracking for Im	on of the Paper Entitled proving Software
	Reliability Using I	jango
	Published	in
	SHANLAX INTERNATIONAL JOURNAL OF	ARTS, SCIENCE AND HUMANITIES
	N Arganation	-Al-
	Dr. N. Ayyanathan	Er. S. Lakshmanan
	Editor in Chief	The Publisher

The Bug Tracking System (BTS) is an automated software application designed to track and manage reported bugs during software testing. This system, implemented using Django and Python, offers valuable benefits to employees and managers in various organizational settings. By effectively monitoring and resolving software issues, the BTS contributes to the improvement of software quality and overall reliability. The BTS incorporates anomaly detection techniques to enhance its efficiency Anomaly detection plays a crucial role in identifying unusual patterns or behaviours within the software, enabling early detection and proactive resolution of potential bugs. This proactive approach leads to better software quality and reliability, reducing the inefficiencies caused by software errors.

The integration of user permissions and privileges within the BTS ensures that developers and testers have distinct rights when interacting with the software. This feature enhances security and control over the bug tracking process, facilitating promising association amid group of people while protecting sensitive information. In summary the Bug Tracking System (BTS) implemented using Django and Python offers a comprehensive solution for tracking and managing software bugs. With its anomaly detection capabilities and user permissions, the BTS improves software reliability and contributes to the overall enhancement of software quality in organizational settings.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Parkinson's Disease Detection using Machine Learning: Current Trends and Future Perspectives"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATION

By

PREMANTH GOWDA T S

1RR21MC042

Under the Guidance of

Vaibhava Sindhu Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

Priyanka V Gudada Asst. Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



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#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution)2021-2022



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. PREMANTH GOWDA T S bearing USN:1RR21MCO42, students of 46 semester MCA has satisfactorily completed the Project work 20MCA44 entitled "PARKINSON'S DISEASE DETECTION USING MACHINE LEARNING CURRENT TRENDS AND FUTURE PERSPECTIVES" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department H.O.D. DIDIE Stobie of Engineering Rajarajeshwari College of Engineering Desangation MCA074.

RRCE, Bengaluru - 560074

EXTERNAL VIVA

External Guide Vaibhava Sindhu

Project Manager **Ilacs** Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishnashale Styage Principal of RRCE OF ENGINEERING RRCE, Bengaluru - 560074

Signature with Date

Name of the Examiners

1..... 2.....



Certification

This is to certify that Mr. Premanth gowda T S (USN : 1RR21MC042) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Parkistons disease detection using machine learning."

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,

Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com



First of all, Alzheimer defines the disorder as a neurologic illness that affects the brain and spine. As a result, sufferers have trouble speaking, walking, and trembling when moving. Our approach investigates how to categorise of sounds from a characteristic collection for diagnosing the disorder Parkinson's (PD). The neural networks we like to utilise in our system are from machine learning. People with PD typically include low-volume sounds with a homogenous quality. The audio characteristic dataset from the College of California, Irvine the database, as healthy as provision ramsey and XGboost classification methods, are characteristically rummage-sale in our approach. The Matthew characteristic statistic (MCC) of 89% and a height resolution of 96% produced by XGBoost allowed the algorithm to determine whether not gold sufferer is sound.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

PHARMACEUTICAL GUIDANCE SYSTEM MACHINE LEARNING ENABLED MEDICATION SUGGESTIONS

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

Pushpalatha G

1RR21MC043

Under the Guidance of

Ms.Kasthuri

TechCiti software Pvt.Ltd

Bengaluru-560078

Mrs. Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Pushpalatha G bearing USN:1RR21MC043, student of 4^a semester MCA has satisfactorily completed the Project work-20MCA44 entitled "Pharmaceutical Guidance System: Machine Learning-Enabled Medication Suggestions" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

EXTERNAL VIVA

Internal Guide Mrs. Priyanka V Gudada Assistant Professor, Department of MCA RRCE, Bengaluru-560074



External Guide Ms.Kasthuri Project Coordinator TechCiti Software Consulting Pvt Ltd Bengaluru-560104

Head of Department

Dr. T.Subburaj HOD, Department of MCA, -jaraj procest Build and States of The Bangalore - 560 074,

Name of the Examiners

1)	
2)	

Principle

Dr.Balakrishna.R. Principal Principal of RRABESWARI Bengahili 566074 ENGINEERING Ramohalli Cross, Bengaluru-77

Signature with Date



TechCiti Software Consulting Private Limited

CIN: U72900KA2018PTC117376

D-U-N-S No. : 86 14 54180

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email : info@techcitisoftware.in Website: www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT5255 Date: 13th July, 2023

PROJECT COMPLETION CERTIFICATE

We would like to inform you that Ms. Pushpalatha G (USN: 1RR21MC043) pursuing MCA from Rajarajeshwari College of Engineering. Bangalore has successfully completed her project with our company, she has been working on the project title: "Pharmaceutical Guidance System: Machine Learning-Enabled Medication Suggestions" under the domain: Machine Learning with Python from April, 2023 to July, 2023.

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely.



Manager Human Resources Department TechCiti Software Consulting Private Limited



Machine learning's value has soared in diverse applications, driving automation in creative work. We present a medication suggestion engine to lighten experts' workload. Our method suggests medications effectively. COVID-19 has strained clinical resources, leading to scarcity of experts, equipment, and medications. People resort to self-medication without guidance, worsening the health situation. Bow, TF-IDF, Word2Vec, and Manual Feature are the tools we employ. for emotion prediction. By employing categorization algorithms, we analyse and select appropriate medications. Accuracy, accuracy, remembrance, f1score, and AUC score are all important metrics. evaluate predictive sentiments. Results favour LinearSVC with TF-IDF.Vectorization, works superior to every other model, with an accuracy rate of 93%.

KEYWORDS- Medicine, Machine learning, Patients.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

DDoS Attack Analysis Using Machine Learning Technique

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

RAHUL R BHAT

1RR21MC044

Under the Guidance of

Mr. Raghavendra Guligare

PROJECT COORDINATOR WebBlitz Softwares Bengaluru-560078

Mrs. Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

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#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008CertifiedInstitution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Rahul R Bhat, bearing USN:1RR21MC044, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "DDoS Attack Analysis Using Machine Learning Technique" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada Associate Professor Department of MCA RRCE, Bengalaru-560074 Oppartment of M.C.A. Rajarajethumer College of Engineering Bangalore - 500.074 Head of the Department Dr.T.Subburaj Department of MCA, RRCE, Bengaluru-560074 External Guide Mr. Raghavendra Guligare Project Coordinator WebBlitz Softwares Bongaluru-78

Principal Dr.Balakrishna R

Principal of RRCE RADARAJESWAR Bengaluru-560074(LEGE OF ENGINEERUNG Samehalli Criss, Bengaluru-7

EXTERNALVIVA

Name of the Examiner

D.....

2).....

Signature with Date

WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr Rahul R Bhat (USN: 1RR21MC044) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" A Machine Learning-Based Classification and Prediction Technique for DDoS Attacks."

We wish him all the best and success in all future endeavours.

Regards,





2936, 1st Floor, MKK Rosd, Near Kuvempu Metro Station, Rajajinagar Ind Stage, Bangalore - 560 010. Website : https://www.webbitz.co.in / E-mail : hr@webbitz.co.in info@webbitz.co.in Ph : 7400884253

	Vol. 11 Special Issue 1 July 2023 E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X
	SHANLAX INTERNATIONAL JOURNALS
	A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal
	DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
	RAJARAJESWARI COLLEGE OF ENGINEERING
	#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074
	Certificate
	We hereby certify that
	Rahul R Bhat (12R21MC044)
	A Machine Learning Based Classification
	and trediction rechnique 107 2005 million
A T A	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES
	Pul-
	Dr. N. Ayyanathan Editor in Chief Er. S. Lakshmanan The Publisher

Consequently, the exploitation of the gaps in the security of Internet of Things (IoT) devices the quantity of cyber-attacks and data breaches has significantly increased across various corporations, companies, and industries. Because it can extract and learn deep characteristics from known attacks and detect unknown attacks without the To identify cyber attacks without the requirement for manual feature engineering, machine learning has been employed. Although the machine learning (ML) a strategy has been used since Intrusion detection, the attack remains a major threat of the 13 Internet. The core idea behind this project is identifying or detecting the attacks which in occurred in the network. Now growth of social network will get increased in every day to day basis. However, The question of identifying the assaults is provoking. This project will dynamically identify the attack by analysing the information of the KDDCUP Dataset. The feature scaling method is applied and normalise the assortment of independent variables or data aspects. The feature reduction PCA algorithm is implemented and to find the directions of maximum variance in highdimensional data and projects it onto a new subspace with equal or fewer dimensions than the original one. Finally the classification ML algorithm is applied and classify the data. The final report is generated in accordance with attacks and the normal event.

KEYWORDS:DDOS, Machine learning, Cyber Attacks,PCA Algorithm.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA ,BELAGAVI



Project Report on

A SYSTEMATIC ANALYSIS OF INFORMATION MININGMETHOD TO FAULT PREDICTION IN POWER ELECTRONIC SYSTEMS

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Rohith K R

1RR21MC045

Under the Guidance of

Mrs. Vaibhava Sindhu

Project Manager BLITZ Technologies Bengaluru-560078

Mrs. Priyanka V gudada

Assistant Professor Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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2022-2023



Department of Master of Computer of Applications

PROJECT CERTIFICATE

This is to certify that Rohith K R bearing USN:1RR21MC045, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "A Systematic Analysis of Information Mining Methods to Fault Prediction in Power Electronic Systems" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

InternalGuide Mrs. Priyanka V Gudada Assistant Professor Department of MCA RRCE, Bengaluru-560074

H.O.D. Head of the Department Department of M.C.A. Dr. T Subburaj Rajarajeshwari College of Engineering Department of MCA Dangalory - 560 07 f. RRCE, Bengaluru - 560074



Mrs. Vaibhava Sindhu Project Manager Blitz Technologies Bengaluru-560078

Principal

Dr. R. Balakrishna Principal of RRCE^{ARAJESWARI} Bengaluru^{CO56074}OF ENGINEERII Ramohalli Cross, Bengalun

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

Signature with Date

.......

......


BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Rohith K R</u> from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC045) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- A Systematic Analysis of Information Mining Methods to Fault Prediction in Power Electronic Systems

During the project work , He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu



293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010. Website : www.blitztechnology.co.in / E-mail : hr@blitztechnology.co.in / info@blitztechnology.co.in Ph : 9591423924



Early fault detection in power electronic systems (PESs) to maintain reliability is one of the most important issues that has been significantly addressed in recent years. In this paper, after reviewing various literature based on fault detection in PESs, data mining-based techniques including artificial neural network, machine learning, and deep learning algorithms are introduced. Then, the fault detection routine in PESs is expressed by introducing signal measurement sensors and how to extract the feature from it. Finally, based on studies, the performance of various data mining methods in detecting PESs faults is evaluated. The results of evaluations show that the deep learning-based techniques given the ability of feature extraction from measured signals are significantly more effective than other methods and as an ideal tool for future applications in power electronics industry are introduced.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

DL BASED HUMAN ASSULT DETECTION

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

SHRADDHA S

1RR21MC046

Under the Guidance of

Dr. S Usha

Project Coordinator Department of R&D RRCE, Bangaluru-560074

Dr. T Subburaj

Head of the Department Department of MCA RRCE, Bangaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023

#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application <u>PROJECT CERTIFICATE</u>

This is to certify Mr. DEERAJ C bearing USN:1RR21MC015, student of 4th semester MCA has satisfactorily complete the Project work – 20MCA44 entitled "BIRD BOOK USING DJANGO" in the academic year 2022-2023 as prescribed by VTU for 4th semester of master of Computer Application.

Internal Guide

DR. T Subburaj Head Of The Department Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburgi Denomicit of MCS.A. ajarajestwari College RREingBongatähir - 560074

pul. C

External Guide

Dr. S Usha Dean, RRCE Department of R&D RRCE, Bengaluru-560074

Princips

Dr. R. Balakrishna

Principal of RRCE

Bengaluru - 560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with Date

EXTERNAL VIVA

Name of the Examiners

1..... 2.....



RajaRajeswari College of Engineering

(pproved by AICTE, New Delbi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify Ms. SHRADDHA S [USN : IRR21MC046], a student of RajaRajeswari College of Engineering, has successfully completed the "DL BASED HUMAN ASSULT DETECTION" Project Under the guidance of Dr. USHA S Dean Department of R&D, RajaRajeswari College of Engineering.

The project was undertaken as a part of the Master of computer application at, RajaRajeswari College of Engineering, and the student has demonstrated her knowledge, skills and dedication throughout the project.

Project Duration: April 2023 - July 2023

p. p.y.

With Regards

Dr. S USHA Dean R&D, RajaRajeswari College of Engineering, Bengaluru

do

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENGALURU - 566 074.



The DL-based Human Assault Detector (DBHAD) is an innovative security setup that includes DL and ML methods to detect and prevent potential assaults. This advanced system incorporates features such as face expression detection, body motion tracking, and proximity alert, providing real-time monitoring and timely alerts for potential threats. By analyzing facial expressions, tracking body movements, and monitoring proximity between individuals, DBHAD enhances security measures in public spaces, workplaces, and educational institutions. The face expression detection feature of DBHAD utilizes deep learning algorithms to analyze and interpret individuals' facial expressions, enabling the system to identify suspicious behaviour and alert security personnel promptly. The body motion tracking feature employs motion sensors to track and monitor individuals' movements, effectively identifying abnormal or potentially threatening behaviour. Additionally, the proximity alert feature, powered by YOLO (You Only Look Once) technology, continuously monitors the distance between individuals, issuing alerts when people are in close proximity. DBHAD offers versatility and efficiency, surpassing single-sensor systems. With its multi-faceted framework and deep learning algorithms, it provides a comprehensive approach to threat detection. The system's customization options make it suitable for various settings, while its real-time monitoring capabilities and proactive alerts contribute to enhanced security and prevention of potential assaults.

VISVESVARAYA TECHNOLOGICALUNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

BLOCKCHAIN-BASED MANAGEMENT FOR ORGAN DONATION AND TRANSPLANTATION

Submitted in partial fulfillment of the Requirements of the 4thSemester in

MASTER OF COMPUTER APPLICATIONS

By

SHREYA PRAKASH HEGDE

1RR21MC047

Under the Guidanceof

Mrs Vaibhava Sindhu. Project Manager ILACS Technologies Bengaluru-560078

Mrs. PRIYANKA V GUDADA

Assistant Professor Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross,Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Shreya Prakash Hegde, bearing USN:1RR21MC047, student of 4th semester MCA has satisfactorily completed the Project work-20MCA44 entitled "BLOCKCHAIN-BASED MANAGEMENT FOR ORGAN DONATION AND TRANSPLANTATION" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

Internal Guide Mrs. PRIYANKA V GUDADA Assistant Professor Department of MCA RRCE,Bengaluru-560074

H.O.O. Department of M.O.K. Tajartjestwart Column Engineering Bang A. See 074 Head of Department Dr. T.Subburaj Department of MCA,

RRCE, Bengaluru-560074

14

External Guide Mrs.Vaibhava Sindhu Project manager Ilacs Technologies Bengaluru-560078

Principal

Dr.Balakrishna.R, Principal Principal of RRCEAJARAJESWARI Bengaluru-56(2074 GE OF ENGINEERING Namohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners

Signature with Date

1).....

2).....



Ms. Shreya Prakash Hegde (USN: 1RR21MC047) Rajarajeswari College Of Engineering Bangalore

Ilacs, Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

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(Mohammed Ilyas)

Vol 11 Special Is	sue 1 July 2023
E-ISSN 2582-0397	P ISSN 2321 7887
SHANCAR SHA	NLAX IONAL JOURNALS
A Peer-Reviewed-Refereed-Scholz	rly Indexed Quarterly Journal
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DEPARTMENT OF MASTER OF CO	MPUTER APPLICATIONS
RAJARAJESWAR OF ENGINE	LI COLLEGE ERING
#14, Ramohalli Cross Mysore Road, Bangal	s, Kumbalgodu lore - 560074
Certificat	LICATION
We hereby certify that	
Shreya Prakash Hegde (IRR 214(047)	
In recognition of the Publication Management of Organ	of the Paper Entitled 2 Donation and
Transplantation using	Block Chain
Published in	
SHANLAX INTERNATIONAL JOURNAL OF AR	TS, SCIENCE AND HUMANITIES
~ Againt	Aut
Dr. N. Ayyanathan	Er. S. Lakshmanar
Editor in Chief	The Publisher

Gift of an organ transplantation systems now face a variety of requirements and obstacles in relation to registration, donor-recipient matching, organ removal, organ delivery, and transplantation, all of which are hampered by legal, clinical, ethical, and technical restrictions. The result is a comprehensive organ donation and transplantation system is essential to provide a fair and efficient procedure that improves patient experience and confidence. In this work, we present a private Ethereum block chain-based system for managing organ donation and transplantation in a completely decentralized, secure, traceable, auditable, private, and trustworthy manner. We create smart contracts and offer six algorithms, along with information on their implementation, testing, and validation. We assess the performance of the suggested solution by conducting privacy, security, and confidentiality assessments and comparing it to current solutions.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on "E-PUNCTURE"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

TILAK H N

1RR21MC048

Under the Guidance of

DR. S. Usha

Dean R&D,

RRCE,

Bangalore 560074

PRIYANKA V GUDADA

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. TILAK H N bearing USN:1RR21MCO48, bearing students of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "E-PUNCTURE" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant professor Department of MCA

RRCE, Bengaluru-560074

Head of the Department

Dr. T SubburajC.O. Department of MCA Repartment of MCA RRCESBengkhan-5600074-

External Guide Dr. S. Usha Dean R&D, RRCE Bangalore 560074

Dr. R. Balakrishna

Principal of RRCE Principal RRCERBengalury v 560074 COLLEGE OF ENGINEERING Ramohalli Cress, Bengsluru-7/

EXTERNAL VIVA

Name of the Examiners

1..... 2.....

...... **********************

Signature with Date



RajaRajeswari College of Engineering 🍹

(by AUCTE, Hew Data, Gevt. of Karaataka, Affliats to Verservaraya Technological Uncernity, Belagavi) #14, Ramohalli Cross, Kambalgodu, Mysore Road, Beogaluru – 560074

CERTIFICATE

Subject: Project Completion Certificate

This is to certify that Mr. Tilak H N [USN NO. 1RR21MC048] M.C.A. Final year student has done project work on "E-Puncture" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

p.or.

With Regards

OX.

Dean R&D, RRCE, Bengaluru.

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BEINGALURU - 560 074.

#14. Ranohalli Cross, Kumbalgodu, Mysore Road, Benzaluru - 550074



www.rrce.org admission@rrce.org Ph.No:9008845678



E-Puncture is an innovative Android application designed to provide reliable and efficient puncture repair services. The application aims to assist people who encounter a punctured vehicle while traveling, particularly in unfamiliar locations, by helping them find prompt assistance and getting their vehicles repaired without hassle.

The traditional challenges faced by individuals in such situations include a lack of knowledge about nearby garages, unfamiliarity with the surrounding area, breakdowns occurring in deserted or remote locations, and the difficulty of finding a reliable and skilled mechanic to handle the repairs. E-Puncture addresses these problems by leveraging the capabilities of modern technology and mobile applications.

Using GPS technology, E-Puncture determines the user's precise location and provides a list of nearby garages. This functionality ensures that users can quickly identify and reach out to the nearest service providers. Furthermore, the application allows users to specify the nature of their breakdown or puncture issue, enabling the selected garage to appropriately assess the situation and allocate a suitable mechanic for the job.

Once the user requests assistance through the application, one of the available garages will accept the job and dispatch a mechanic to the traveller's location. This on-demand approach ensures a swift response and allows the mechanic to reach the user promptly, reducing the waiting time and inconvenience associated with traditional repair services.

The development of the E-Puncture application is facilitated by Android Studio, a powerful integrated development environment (IDE) for creating Android applications. Additionally, the application leverages the capabilities of Google Cloud Firebase, which offers a range of custom tools and libraries beneficial for the development of Android-based mobile and tablet applications. Firebase provides essential features such as a NoSQL database (Fire store), Google Maps integration for location-based services, and a rich set of graphical user interface (GUI) and user interface (UI) components.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018, Karnataka, India



Project Report on

"STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINELEARNING METHODS" Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

Submitted By

UDAY S N

1RR21MC049

Under the Guidance of

Ragavendra G

Software Developer

Web Blitz Software

Bengaluru-560010

Priyanka V Gudada

Assistant Professor

Department of MCA

RRCE, Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore Road Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road KumbaIgodu ,BengaIuru -560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. Uday S N bearing USN:1RR21MC049, student of 4th semester MCA has satisfactorily completed the Project work — 20MCA44 entitled "STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINE LEARNING METHODS" in the academic year 2022 -2023 as prescribed by VTU for IV Semester of Master of Computer Applications.

an.

Internal Guide Mrs. Priyanka V Gudada Assistant Professor Dept. of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subburaj

Department of MCA Department of MCA Separtment of MCA Bangalore - 560 074. April)

External Guide Mr. Ragavendra Guligere Project Manager Web Blitz Software Bengaluru-560010

Dr. R. Balakrishna

Principal of RRCE

Bengaluru n 560074 RAJAR MESWARI COLLEGE OF FINGHTHOMG Ramphalli Critici, De galuru-7.1

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

Signature with date

Completion Certificate

WEBBLITZ SOFTWARES

This is to certify that Mr Uday S N (USN: IRR21MC049) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed his project work from April 2023 to July 2023.

Project Title:" STRESS IDENTIFICATION IN IT EMPLOYEES UTILISING MACHINELEARNING METHODS."

We wish him all the best and success in all future endeavours.

Regards,



Raghavendra Guligare

2936, 1st Floor, MKK Road, Near Kovernou Metro Station, Rajajinagar 2nd Stage, Bangatore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

Vol. 11 Special Issue 1 July 2023 E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X HANLAX INTERNATIONAL JOURNALS - 20.00 A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 Certificate We hereby certify that Uday SN (LRR 21MC049) In recognition of the Publication of the Paper Entitled Stress Identification in IT Employees Using Machine Learning Methods Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES ~ Again Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

Data changes are made using SQL, or Structured Query Language. We'll also provide you a general understanding of database structure, show you how to install MySQL safely, and offer you cutting-edge recommendations for maximizing the value of your data.

Stress is visible surface rise among all people in the modern world with all of the latest technological gadgets. So, while the wealth, individuals are not happy. Stress is the sensation of pressure. Stress can be either physical, mental, or emotional. Identification of the strain level that disrupt our socioeconomic way of life requires mechanisms for regulating stress. The World Health Organization, also known as the WHO, estimates that one in four persons have stress-related psychological problems. Stress in people leads to psychological and social problems, a loss of concentration at work, poor relationships with coworkers, despair, and in the worst cases, suicide. In order to help persons who are stressed manage their stress, counselling must be made available. While it is hard to totally eliminate stress, you can benefit from adopting precautions. Now, only specialists in medicine and physiology can analyze the mental state of somebody. Of the more popular approaches to identifying stress is a questionnaire-based method. Our project's main the aim is to use sophisticated via methods for image analysis and data mining spot indicators of stress in IT professionals. Our system is an advancement over earlier methods of stress identification, which failed to account for the feelings of the worker or live monitoring.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Project Report on

"Recognising Consciousness Problems in Brain Injuries Using EEG Coupling and Machine Learning"

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VARUN R

1RR21MC050

Under the Guidance of VAIBHAVA SINDHU

Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

PRIYANKA V GUDADA

Assistant Professor Department of MCA Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

#14 Ramohalli cross, Mysore road kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution)



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr. VARUN R bearing USN: 1RR21MCO50, bearing students of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Recognising Consciousness Problems in Brain Injuries Using EEG Coupling and Machine Learning" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide Mrs. Priyanka V Gudada

Assistant Professor

Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subhuraj D. Department wr Mre A.C.A. tajarajeshwari College of Engineering RRCIB: Balagestan 65880074

Name of the Examiners

1..... 2.....

External Guide Vaibhava Sindhu

Project Manager Ilacs Technologies Rajajinagar, Bangalore 560010

Principal

Dr. R. Balakrishna Principal of RRCE RRCE, Bengaluru - 560074

EXTERNAL VIVA

Signature with Date

Principal RAJARAJESWARI COLLEGE OF ENGINEERING Camohalli Cross, Bengaluru-74



Certification

This is to certify that Mr. Varun.R (USN : IRR21MC050) undergoing MCA from "RajaRajeswari college of engineering.", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Recognising Consciousness Problems in Brain Injuries Using EEE Coupling and Machine Learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(project Manager)

#64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078

Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

ertifica PUBLICATION

We hereby certify that

Varun R (IRR21MC050)

In recognition of the Publication of the Paper Entitled Recognising Consciousness Problems in Brain Injuries using EEG Coupling and ML

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Agand

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

The computational electroencephalogram (EEG) is recently garnering significant attention in examining whether the EEG features can be utilised as fresh predictors for finding signs of modest brain injuries and the prediction of healing. In this study, an electronic method for automating DoC (Disorder of consciousness) identification by gathering data from electroencephalogram, or EEG, data is proposed. Power Spectra Density Difference (PSDD) including its recursive Cosine curve (CPSDD) is a novel related metric that is given. The subsequent processing steps.

As a result, it is crucial to devise a strategy for meticulously flagging and extracting clean EEG data to retrieve high-quality discriminative traits picking traits using PCA The strategy then uses a team machine learning method to group brain-injured folks to DoC (positive, negative, and neutral) groups. Our suggested method for using a deep learning algorithm in high accuracy and prediction status.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"Dual Access Control for Cloud-Based Data Storage and Sharing"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VIDYASAGAR

1RR21MC051

Under the Guidance of

AJITHA PROJECT COORDINATOR

Blitz Technologies Rajajinagar ,Bengaluru-560010

Priyanka V Gudada

Assistant Professor Department of MCA RRCE,Bengaluru-560074



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Department of Master of Computer Application

PROJECT CERTIFICATE

This is to Certify that Mr. Vidyasagar bearing USN:1RR21MCO51, bearing students of 4th semester MCA has satisfactorily completed the Project work 20MCA44 entitled "Dual Access Control for Cloud-Based Data Storage and Sharing" in the academic year 2022-2023 as prescribed by VTU for 4th Semester of Master of Computer Applications.

Internal Guide

Mrs.Priyanka V Gudada Assistant professor Department of MCA RRCE, Bengaluru-560074

Head of the Department

Dr. T Subbyraj Department of MCA RRCE, Bengaluras- 560074

EXTERNAL VIVA

Name of the Examiners

1..... 2.....



External Guide Mrs.Ajitha Project Coordinator Blitz technologies Bangalore-560010

Principal

Dr. R. Balakrishna Principal Principal of RRCE RAJARAJESWARI RRCE, Bengalur@U560074ENGINEERING Tamohalli Cross, Bengaluru-

Signature with Date

.....

.....



BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that <u>Mr. Vidyasagar</u> from "Rajarajeshwari College of engineering", Bangalore with (USN: 1RR21MCO51) has successfully completed his project in the area of Software Development organized by Blitz Technolgoy from April 2023 to July 2023.

Project Entitle :- Dual Access Control for Cloud Based Data Storage and Sharing

During the project work , He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards

Vaibhava Sindhu





since of the service's effectiveness as low-cost administration, stored in the cloud services for saving data have piqued the interest of both academia and business in recent years. Because it offers services via a distributed network, service providers must utilise safe retention and sharing mechanisms to maintain information security and consumer privacy. Cypher is the most a widely used method of avoiding the disclosure of private information hacked. However, just data encryption (for example, using AES) fails to tackle the actual necessity for managing it. Furthermore, an Proper surveillance over file requests must also be addressed so that Financial Deny of Programme (EDoS) attempts do not disrupt service delivery. We explore dual access control in this study's setting of online storage, in the sense that we build controls over both file access and download requests without sacrificing privacy or speed. In this cram, two dual authentication systems are constructed, one for every of two distinct settings. The systems' privacy and testing are also offered.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI-590018



Project Report on

"FRAUD DETECTION AND ANALYSIS FOR INSURANCE CLAIM USING MACHINE LEARNING"

Submitted in partial fulfillment of the requirements of the 4th semester in

MASTER OF COMPUTER APPLICATIONS

By

YASHASWINI K S

1RR21MC053

Under the Guidance of

Mrs. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Prof. Deepa K R

Assistant Professor Department of MCA RRCE, Bangaluru-560074



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Department of Master Of Computer Application

This is to certify that Mrs. Yashaswini K S, bearing USN: 1RR21MC053, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Fraud Detection and Analysis For Insurance Claim Using Machine Learning" in the academic year 2022-2023 as prescribed by VTU for IV Semester of Master of Computer Application.

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Deepa K R Professor Department of MCA RRCE, Bengaluru-560074

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Head of the Department Dr. Subburaj Dep Department of MCA Rejamiestiv BRCE: Bengalin u Schull 4 Baumgroon Division



External Guide Mrs. Mrs. Vaibhava Sindhu Project Manager ILACS Technologies Bengaluru-560078

Principal Dr. Balakrishna R PrintipantieRREE COBEngaRinie5600741NG Namohalli Cross, Bengaluru-7/

EXTERNAL VIVA

Name of the Examiner

1.....

2.....

Signature with date

......



Ms. Yashaswini K S (USN: 1RR21MC053) Rajarajeswari College Of Engineering Bangalore

Ilacs Technologies has the pleasure in accepting you as an Trainee Software Developer. Project duration Starts from April 2023 to July 2023.

During Project you are expected to undergo an industrial training program as outlined by your supervisor and carry out the project work specifications as per above mentioned ten sure.

We look forward to welcoming and receiving your co-operation and contribution.

With Regards,

(Mohammed Ilyas)


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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificate OF PUBLICATION

We hereby certify that Yashaswini KS (IRR21140053)

In recognition of the Publication of the Paper Entitled Machine Learning is used to Detect Fraud in Insurance Claims

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

N Avinnes

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

ABSTRACT

An insurance company operating as a commercial venture continues to be dealing with deception instances of various types. The sum declared by fraudulent is considerable, which may result in significant challenges; so, along with to the administration, other organisations are seeking to identify and reduce such activities. Such fraud occurred in every aspect of protection guarantee with high seriousness, for example, protection asserted towards vehicle area is deception that are frequently claimed and apparent type, which have to be possible by counterfeit mishap guarantee, as the result, we want to support a task that works on a protection guarantee informative index to identify extortion and phoney situations. The venture uses AI computations to build a model to name and characterize the guarantee. Furthermore, to focus on relative examination of The AI computations utilized in chaotic framework gathering with regards to the sensitive precision, precision, assessment, etc., . For fake exchange approval, an artificial intelligence (AI) model is built using the PySpark Python Package.

According to estimates, deception has been on increase throughout all initiatives, costing the protection area billions of dollars each year. Protection extortion is a criminal act committed with the intent of profiting financially. This is currently the most difficult issue that many insurance companies throughout the globe are dealing with. Almost all, if not every one flaw an assessment for fraudulent cases have be identified as a essential element. Protection extortion is an exploitative strategy that is frequently used for financial gain. Such deceptive cases constantly cost the security industry a large sum of money and result in billions of dollars in unnecessary costs, as result, the urge to use PC solutions to avoid extortion exercises grew, delivering clients a trustworthy and reliable environment as a result. In an addition to significantly lowering fabrication accusations.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"HOSPITAL AND DOCTOR RECOMMENDATION WITH DISEASE PREDICTION USING MACHINE LEARNING"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

YATHISHWAR B

USN: 1RR21MC054

Under the Guidance of DR. S. USHA Dean R&D, RRCE Bengaluru-560074

DR. T. SUBBURAJ HOD & Associate Professor Department of Master of Computer Applications RajaRajeswari college of engineering, Bengaluru



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore Road kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is certify that [Mr./Ms.] YATHISHWAR B bearing USN:1RR21MC054, student of 4th Semester MCA has satisfactorily completed the project work-20MCA44 entitled "Hospital And Doctor Recommendation With Disease Prediction Using Machine Learning" in the academic year 2022-23 as prescribed by VTU for IV Semester of Master of Computer Applications.

External Viva

m Internal Guide

Dr. T. Subburaj HOD & Associate Professor Department of MCA RRCE, Bengaluru-560074

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HOD

Dr. T. Subburaj Department of MCA RRCE, Bengaluru-560074

Department of tA.C.A. jarajostiwari Cotago, or Engineering Bangalore - 560 074.

Name of the Examiners

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External Guide

Dr. S. Usha Dean R& D, RRCE Bengaluru-560074

Principa

Dr. R Balakrishna Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature with Date





CERTIFICATE

Subject: Project Completion Certificate.

This is to certify that Mr. Yathishwar B [USN NO. 1RR21MC054] M.C.A. Final year student has done project work on "Hospital and Doctor Recommendation with Disease Prediction Using Machine Learning" Under the guidance of Dr. S Usha, Dean (R & D), RajaRajeswari College of Engineering, Bengaluru towards the fulfillment of the award of "Master of Computer Applications" during the period April 2023 to July 2023.

p.our.

With Regards

Dr. S Usha Dean R&D, RRCE, Bengaluru

Professor & Head, Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENGALURU - 560 074.

#14. Ramohalli Cross, Kumbalgodu, Mysore Road, Benzaluru – 550074



www.rrce.org admission@rrce.org Ph.No:9008845678



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074

Certificat

We hereby certify that

Yathishwar B(1RR)1MC054)

In recognition of the Publication of the Paper Entitled <u>Hospital and Doctor Recommendation with</u> <u>Discuse Prediction Voing Machine Learning</u>

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan Editor in Chief

Er. S. Lakshmanan The Publisher

ABSTRACT

This project presents a system that combines machine learning algorithms for disease prediction and hospital/doctor recommendation, with the aim of providing personalized suggestions to patients based on their health conditions and preferences. The system involves the collection of a comprehensive dataset comprising patient records, medical history, symptoms, laboratory results, and treatment outcomes. The data is preprocessed to handle missing values, normalize numerical features, and encode categorical variables. Feature selection and extraction techniques are then applied to identify the most informative features for disease prediction, considering factors such as age, gender, medical conditions, symptoms, and previous diagnoses. ML models, including logistic regression, decision trees, random forests, support vector machines (SVMs), or neural networks, are trained on the preprocessed data to predict the likelihood of specific diseases based on the patient's features. Concurrently, a recommendation system is developed to suggest suitable hospitals and doctors, taking into account factors such as the predicted disease, geographical location, specialty, patient reviews, and availability. The system is integrated into a user-friendly application or web portal to enable real-time data processing and prompt recommendations. Evaluation of the system is conducted using metrics like accuracy, precision, recall, and user feedback, with ongoing refinement to enhance its performance and relevance. This project aims to enhance healthcare outcomes by utilizing machine learning techniques to predict diseases and provide tailored recommendations, empowering patients to make informed healthcare decisions and enabling healthcare providers to deliver more efficient and personalized care.

KEYWORDS: ML; Disease Prediction; SVM (Support Vector Machine); Decision tree.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

Online Bullying Detection Using Machine Learning and Deep Learning

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

YOGEESH D R

1RR21MC055

Under the Guidance of

Mr. SAINADH PANDA

Embedded Software Developer ILACS Technologies Bengaluru-560078

Dr. T. SUBBURAJ

HOD, Department of MCA RRCE, Bengaluru-560074



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> Institution) 2022-2023



Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that Mr.Yogeesh D R bearing USN:1RR21MC055, student of 4thsemester MCA has satisfactorily completed the Project work-20MCA44 entitled "Online Bullying Detection Using Machine Learning and Deep Learning" in the academic year 2022-2023 as prescribedby VTU for IV Semester of Master of Computer Applications.

Internal Guide Dr.T Subburaj Professor, HOD Department of MCA RRCE, Bengaluru-560074

Head of the Department Dr.T Subhugaj Department of MCAr on C.A. RRCE Bengaluru-560074 ngineering Bangatore - 560 074.

External Guide Mr.Sainadh Panda Embedded Software Developer ILACS Technologies Bengaluro-560078

Principal ipat Dr. Balakrishna R COLPrincipal of RRCE Bengaluru-S60078 Tamohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners

2.....

Signature with Date



ILACS TECHNOLOGIES

Certification

This is to certify that Mr. Yogeesh D R (USN : 1RR21MC055) undergoing MCA from "Rajarajeswari College Of Engineering", Bangalore, has successfully completed his project at our company as per curricular requirements from April 2023 to July 2023.

Title : "Online Bullying Detection Using Machine Learning And Deep Learning"

He has been found hardworking to the best of our knowledge and satisfaction during his tenure over here.

With Regards,



Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078 Mob : +91 9535268355 E-mail : hr@ilacstechnologies web : www.ilacstechnologies.com

Special Issue 1 **July 2023** Vol. 11 P-ISSN: 2321 - 788X E-ISSN: 2582 - 0397 INTERNATIONAL JOURNALS editor@shanlaxjournals.com | www.shanlaxjournals.com A Peer-Reviewed-Refereed-Scholarly Indexed Quarterly Journal DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramohalli Cross, Kumbalgodu Mysore Road, Bangalore - 560074 ertifica We hereby certify that Yogersh DR (1RR21MC055) In recognition of the Publication of the Paper Entitled Bullying Detection using Machine Online Learning and Deep Learning Published in SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES NA Dr. N. Ayyanathan Er. S. Lakshmanan Editor in Chief The Publisher

ABSTRACT

Using cardinal technologies cause the appearance of cyberbullying and Then use the network has become has become major source for it compared to mobile phones, platforms such as gaming and messaging. Cyberbullying can appear over multiples of ways. includes sexual remarks, threats, hate mails and posting false things about someone and this will seen and read by millions of people. Compared to traditional bullying, cyberbullying has a longer lasting effect on the victim which can affect them physically or emotionally or mentally or in all the forms. Number of suicides due to cyberbullying has increased in recent years and India is one among the four countries that has more number of cases in cyberbullying. Prevention of cyberbullying has become mandatory in universities and schools due to rising cases since 2015. This study uses robotic intelligence and deep learning to automatically identify cyberbullying comments techniques. Metrics such as reliability, vigilance, and memory and F1-score used To judge the model performance. It is with a precision of 95.47%, it was discovered that the deep learning technique known as the Gated Recurrent Unit performed better than all the other strategies examined in this essay.

social media usage systems, which is very common has led to an increase in incidents of cyberbullying, It could result in very serious mental effects and emotional effects on victims. The aim This project's The aim are to build Using deep learning, one may find instances of online bullying. online platforms posts using networks with long short-term memory (LSTM). The available research is directed towards mature languages and highlights a huge newly accepted resource poverty gap languages. This proposed system utilises Long-Short Cognition model (LSTM), a deep learning strategy for identifying and avoiding cyberbulling actions. The project consists of several modules, such as collecting information Plus information processing, model development, and evaluation.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Project Report on

"DUAL SERVER PUBLIC KEY AUTHENTICATED ENCRYPTION WITH KEYWORD SEARCH"

Submitted in partial fulfillment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

BY

VARSHINI S

1RR21MC058

Under the Guidance of Raghavendra Guligare Project Manager Webblitz Softwares Bengaluru-560010

Mr. Shreedhar Maruti Kumbhar Assistant Professor

Department of MCA RRCE,Bengaluru-560074



RAJARAJESWARI COLLEGE OF ENGINEERING

#14 Ramohalli cross, Mysore road Kumbalgodu,Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore Road, Kumbalgodu, Bengaluru-560074

(An ISO 9001-2008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that Ms.VARSHINI S bearing USN:1RR21MC058, student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "DUAL SERVER PUBLIC KEY AUTHENTICATED ENCRYPTION WITH KEYWORD SEARCH" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Application.

Internal Guide

Mr. Shreedhar Maruti Kumbhar Assistant Professor Department of MCA RRCE, Bengaluru-560074

Sm Head of the Department

Dr. T Subburaj Department of MCA Recention of MCA Pajarajostiwan Bengalurui 560094ng Bangalore - 560 074.

External Guide

Mr. Raghavendra Guligare Project Manager Web blitz Software Bengaluru-560010

Principal

.......

Dr. R. Balakrishna Principal of RRCE Bengaluru - 560074 Principal RAJARAJESWARI EXTERNAL VIVA COLLEGE OF ENGINEERING Ramohally Cross Benchlury-7'

Name of the Examiners

1.....

2.....



WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Ms Varshini S (USN: 1RR21MC058) from "RajaRajeswari college of Engineering" Bangalore, has successfully completed her project work from April 2023 to July 2023.

Project Title:" Dual-server public-key authenticated Encryption with Keyword Search."

We wish her all the best and success in all future endeavours.

Regards,

Raghavendra Guligare



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

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Editor in Chief	The Publisher

ABSTRACT

It is a difficult problem to rapidly and safely search sensitive data in cloud storage. The searchable encryption approach offers a safe way to save data without sacrificing its usefulness or confidentiality. Key-based security with recherche of keywords subfield of searchable encryption that has received a set of attention from researchers. However, the inside keyword supposition bother can be used to compromise the best part of classic PEKS methods. All new PEKS schemes will likely withstand the inside keyword guessing attack. IKGA mitigation has long proven ineffective and challenging, and the mainstream of current PEKS methods fall short of meeting their security objectives. We define the concept of Confidentiality with Dual-Server Public-Key Identification and Search Retrieval (DPAEKS), which safeguards against IKGA by utilizing two servers that do not communicate, and enables the authentication property, To be able to deal with the aforementioned issues. Next, we offer a DPAEKS architecture without bilinear pairings. Our system is really effective and offers great security, according to experimental results obtained using a real-world dataset, making it in practical applications.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA BELAGAVI



Project Report on

MULTI-AUTHORITY ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION FOR PERSONAL HEALTH RECORD

Submitted in partial fulfilment of the Requirements of the 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

VINAY G B 1RR21MC060

Under the Guidance of

Mr. MOHAMMED ILYAS

Project Coordinator ILACS Technologies, Bangalore-560074

Mr. SHREEDHAR MARUTI KUMBHAR

Assistant prof. Department of MCA RRCE, Bengaluru-560078



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

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#14 Ramohalli cross, Mysore road, Kumbalgodu, Bengaluru-560074 (An ISO 90012008 Certified Institution)

2022-2023



Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify Mr. VINAY G B bearing USN:1RR21MC060 student of 4th semester MCA has satisfactorily completed the Project work – 20MCA44 entitled "Multi-authority Access Control with Anonymous Authentication for Personal Health Record" in the academic year 2022-2023 as prescribed by VTU for 4th semester of Master of Computer Applications.

-Infernal Guide Shreedhar Maruti Kumbhar Assistant prof.

Department of MCA RRCE, Bengaluru-569074

Head of the Department Dr. T Subburaj Department of MCA RRCE: Bengalutter of MCA RRCE: Bengalutter of MCA Bangalore - 530 074.

EXTERNAL VIVA

Name of the Examiners

1.....

2.....

External Guide Mohammed Ilyas Project Coordinator

ILACS Technologies Bengaluru -560078

Principal

Dr.R. Balakrishna Principal of RRCE Bengaluru-560074 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Comballi Cross, Bengaluru-7/

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Signature with Date

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Editor in Chief	Er. S. Lakshmanan The Publisher
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ABSTRACT

A clever health system that benefits both patients and physicians is a private medical record (PHR) system. A semi-trusted provider of cloud services often manages and stores PHRs in the cloud. Yet there is still a chance that untrusted people and semi-trusted parties might see confidential health information. A customer-centric PHR sharing architecture is suggested in this approach to preserve patient privacy and control over their PHRs. Before outsourcing, all PHRs in this system are secured with multi-authority attribute-based encryption. It enables very fine control of entry to PHRs and addresses the primary hosting issue. In order to guarantee data integrity on the cloud and protect the user's identity during authentication, a private login session between the cloud or the user is also suggested. The new online-offline attribute-based sign that the proposed authentication is based on is issued. It may increase patients' control over their PHRs by making the encrypted PHRs resistant to collusion attempts and preventing forgery throughout the sharing time.

RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramoholli Cross, Kumbalagudu, Bengaluru-560074. DEPARTMENT OF CIVIL ENGINEERING



	21.2 (2)		
Project	batch	list	2022-2023

SL.	Name of the Students	USN	Batch	Guide	Title of the project	
1	VENKATESH PRASAD V	IRR18CV063				
2	ARUN PRASAD P	1RR18CV009		Mrs. M C Malarvizhi	Analysis of soil slope subjected to rainwater simulation	
1	SHASHANK K S	1RR18CV054	•			
4	HARSHITH S	1RR18CV014				
5	PAKESHD	1RR19CV027	1.1		Prepration of cellular light weight concrete block with addition of polyproplene fibre	
6	KARTHIK S	1RR18CV020	2	Mrs. M C Malarvizhi		
7	PATATH KUMAR D P	1RR17CV070				
0	BUARATH R	IRR18CV010				
0	CUAPATH S	1RR20CV406				
9	UEMANTH B O	1RR19CV015	3	Mrs. Kayya M P M	A study on producing paver block	
10	LIVITH P	1RR19CV020	1		from scrap plastic	
12	DHYAN GOWDA MK	IRR19CV012		1		
12	DARSHAN TG	1RR19CV007	1.1.1.1.1		the star of contant worth	
13	MANUN	1RR19CV021	1 .	Mrs M C Malarvizhi	Biomethanation of canceen wast	
14	ADITHYAR	1RR19CV001		and the state	in full scale plant	
15	VIKASD	1RR19CV040		The second		
17	LALITESH S L	1RR19CV018		No. 1 Martin	Planning Conceptulization analys and design of a hostel building	
19	SUSHMITHA K	IRR18CV061		Dr D.C. Sharma		
10	KISHORE R	1RR18CV024		5 Dr.D.C. Sharing		
20	VINAYAK V NAYAK	1RR19CV042				
21	LIKHITAMH	1RR19CV019		Mr. Gangadhar N	Study on hybrid coposite concret by using foundry waste for construcion	
22	SAKSHI ANJHALI	1RR19CV031	6			
23	SRIRAKSHA D Y	1RR19CV036		1.1		
24	ARUN GOWDA K G	IRR19CV003		1000		
25	ARJUN SHEKAR C	1RR19CV002	_	August Same	The planning and designing of waste water management system in RRGI campus	
26	DARSHAN V JAGATAP	1RR19CV008	7	Mrs. M C Malarvizhi		
27	DHANUSH KUMAR'M	1RR19CV010	1			
28	MUNESH M	1RR19CV023		1.00		
29	CHIDANANDA E	1RR19CV006	-		A Role of Zeolite in concrete	
30	DEEKSHITH KUMAR S	1RR19CV009	- 8	Mr.G K Kamalakar		
31	NISHANTH S N	1RR18CV032	_			
32	PRUTHIVI D	1RR17CV065	-			
33	ROHITH K	1RR20CV405	-	Mrs. Kavya M P M	Project-an experimental study of	
34	NITHYA N	1RR19CV024	9		pervious concrete	
35	HRUTHIKA P	1RR18CV017	-			
36	BASAVARAJU K P	1RR20CV402	-			
37	THANUSHREE R	1RR19CV027	-		Harrardious waste as a	
38	KAVYA K	IRR19CV028	10	Mr. Gangadhar N	construction material	
39	KAVYATA	1RR19CV029	1.00			
40	CAUANA HM	1RR19CV030				



41	MRUTHYUNJAYA B PATIL	1RR20CV404	- ÷		Soil Investigation for construction	
42	SOUJANYA S	1RR20CV407	11 Mr. Gar			
43	SHILPA K	1RR19CV422		Mr. Gangadhar N		
44	DHRUVATARE B N	1RR20CV011			and an an an an a	
45	TEJAS R	1RR19CV038		Mr.G K Kamalakar	for the second second second second	
46	SONU N	1RR19CV034	10		Investigation into the efficacy of	
47	SAGAR R	1RR19CV029	12		adsorbent for the treatment of	
48	YASHWANTH K J	1RR19CV043			waste water	
49	MASHOOD ZAHOOR	1RR20CV403		13 Mrs. M C Malarvizhi		
50	SHARLIN	1RR19CV032			Performance of blogas plant	
51	SOUNDARYA S	1RR19CV035	13			
52	SALMAN KHAN	1RR18CV047				
53	VIKRAM C	1RR19CV041		Mrs. M C Malarvizhi	To Improve bearing capacity and impermeability of loose soil	
54	MOIEN MOHI UD DIN BHAT	1RR19CV022	14			
55	SOHAM SHARMA	1RR19CV033				
56	RITIK DAWAR	1RR19CV028				
57	ASHITOSH	1RR20CV400		Mrs. Kavya M P M	Phytoremediation of waste water using water hyacinth	
58	AYAAN PASHA	1RR20CV401				
59	BHEEMESH S	1RR19CV004	15			
60	NIVEDITHA B Y	1RR18CV033				
61	CHANDAN M	1RR19CV005	16	16 Mr.G K Kamalakar	Case Study on traffic congestion near RajaRajeswari Medical	
62	PAVAN M	1RR19CV025				
63	PRUTHVIN B S	1RR19CV026	-		College and noise monitering	
64	HARDIK KN	1RR17CV031	17	Dr K Aravinthan	bamboo as a reinforcement	
65	TANAY SAJJAN G V	1RR19CV037		Lot PLOT I dy Interett	material	

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Hog Department of Civil Engineering RRCE / BLR-74

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Project Work submitted on "IMPROVEMENT OF BEARING CAPACITY AND IMPERMEABLITY OF LOOSE SOIL" Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING IN

CIVIL ENGINEERING

Submitted By

MOIEN MOHI UD DIN BHAT RITIK DAWAR SOHAM SHARMA VIKRAM C

1RR19CV022 1RR19CV028 1RR19CV033 1RR19CV033

Under the guidance of

Prof. M.C Malarvizhi Assistant Professor, Civil Dept RRCE, Bangalore-74



DEPARTMENT OF CIVIL ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[ISOCertified5000:2608,Affiliated to VTU,Belagavi,Approved by AICTE,NewDelbi,Accredited to NBA&NAAC] #14, Ramoballi Cross,Kumbalagada, Mysore Road,Bengaluru-5

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE,NewDethil#14,Ramohalti Cross, Mysure Road,Kumbalagodu,Bengaluru-74



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certified that the Project Work report entitled "TO IMPROVE BEARING CAPACITY AND IMPERMEABLITY OF LOOSE SOIL" is a bonafide work carried out by

MOIEN MOHIUD DIN BHAT	
RITIK DAWAR	
SOHAM SHARMA	
VIKRAM C	

1RR19CV022
1RR19CV028
1RR19CV033
1RR19CV041

In partial fulfillment for the award of Bachelor of Engineering from RajaRajeswari College of Engineering in Civil Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all correction/suggestion indicated for internal assessment have been incorporated in the report deposited in departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

wasp?

Signature of Ine Guide Prof. M.C Malarvizhi Asst. Prof. CVE Dept

ature of the HOD

Prof. Gangadhar N Prof & HOD, CVE Dept

Signature of the Principal Dr. R Balakrishna RRCE₀ Bangalore

BAJARAIESWARI COLLECT OT ENGINEERING Ramehulli Cross, Dengalaru 74 Sign and date

External viva: Name of the examiner

1. Kurhnalika. B. K 2. End40 1000

2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

Certified that the project topic entitled "INVESTIGATION INTO THE EFFICACY OF ADSORBENT FOR THE TREATMENT OF WASTE WATER"

carried out by

SAGAR R(1RR19CV029)SONU N(1RR19CV034)TEJAS R(1RR19CV038)YASHWANTHKJ(1RR19CV043)

Bonafied students of RajaRajeswari College of Engineering in partial fulfilment for the award of degree of Bachelor of engineering in the project work of Civil Engineering during the year 2022-2023 as a part of Visvesvaraya Technological University, Belgaum. The project report has been approved as it satisfies the academic requirement in respect of project report prescribed for the said degree.

Signature of the Guide

Signature of the HOD

Prof. GANGADHAR N

Prof. KAMALAKAR G K

Name of the examine

1. Kushnappa. B.b.

Signature of the Principle

DEPT OF CIVIL ENGG-RRCE BANGLORE

Page 2

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi 590018



RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Mysore road, Bengaluru-74 DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Phase-II Report entitled "PREPARATION OF CELLULAR LIGHT WEIGHT CONCRETE BLOCK WITH ADDITION OF POLYPROPLENE FIBRE" is a bonafide work Carried out by RAJATH KUMAR D P (IRR17CV070), BHARATH R (IRR18CV010), KARTHIK S (IRR18CV020), RAKESH D (IRR19CV027), in partial fulfilment of the requirement for the award of the degree of Bachelor of Engineering in Civil Engineering in Rajarajeswari college of Engineering is affiliated to Visvesvaraya Technological University, Belagavi during the year 2022-2023. All corrections/suggestions indicated in the Internal Assessment have been incorporated in the report and the report is deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the Bachelor of Engineering Degree in Civil Engineering.

Signature of the Guide Prof. M C MALARVIZHI Assistant Professor Dept of CVE RRCE, BANGLORE

Signature of the HOD Prof. GANGADHAR N Prof & HOD Dept of CVE RRCE, BANGLORE

Signature of the Principal Dr. R BALAKRISHNA Principal RRCE, BANGLORE Principal RAJARAJESWARI COLLEGE OF THE TRINI

Examiners Name 1.M. C. Malawinh K.M. KIRAN

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "JNANASANGAMA", BELAGAVI 590018



RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Mysore road, Bengaluru-74 DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the Project Phase-II Report entitled "ANALYSIS OF SOIL SLOPE SUBJECTED TO RAINWATER SIMULATION" is a bonafide work Carried out by ARUN PRASAD P (IRRISCV009), HARSHITH S (IRRISCV014), SHASHANK K S (IRRISCV054), VENKATESH PRASAD V (IRRISCV063), in partial fulfilment of the requirement for the award of the degree of Bachelor of Engineering in Civil Engineering in Rajarajeswari College of Engineering is affiliated to Visvesvaraya Technological University, Belagavi during the year 2022-2023. All corrections/suggestions indicated in the Internal Assessment have been incorporated in the report and the report is deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the Bachelor of Engineering Degree in Civil Engineering.

Signature of the Guide Prof. M C MALARVIZHI Assistant Professor Dept of CVE RRCE, BANGLORE

sture of Prof GANGADHAR N Prof & HOD Dept of CVE RRCE, BANGLORE

Signature of the Principal Dr. R BALAKRISHNA Principal RRCE, BANGLORE

Francipol RAJAR AJE SWARI COLLEGE OF ENGINEERING Tamohalli Cross, Bengaluru-7. Signiture With Daje (Kuh 25/5/23

Examiners Name M.C. Malaevish K.M.KIRAN



RajaRajeswari College of Engineering



(Approved by AICTE, New Dolhi, Govt, of Karnataka, Affitiated to Visvesvaraya Techtoological University,

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Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Electrical & Electronics Engineering

Project List- AY 2022-23

SL_NO	NAME	USN NO	TITLE OF PROJECT	GUIDE NAME	
1	ABRIN NISHA	1RR19EE001	DISTRACTION AND DROWSINESS	A STATE OF	
	ANUSHA S.G	IRR19EE004	DETECTION USING NEURAL	Prof. UDHYAMI	
	YASHAS S.M	1RR19EE031	NETWORK TECHNOLOGY		
2	LIKITH J	1RR19EE012		PROF.AVINASH	
	MANOJ G	1RR19EE013	LOW COST RADAR		
	LEELANJALIN	IRR19EE015		1	
	SHAMBHAVI M.N	IRR19EE024			
5	AKSHATHA D.A	1RR19EE003	UAV FOR AMBULANCE ESCORT	PROF. DR.	
<u>3:</u>	NIVEDHA D	1RR19EE017			
	SREEHARI	1RR19EE026		EBBY DARNEY	
_	SUVARNA P.U	1RR19EE028		and the second	
4	DHANUSH KUMAR B	IRR18EE005	SMART UNDERGROUND CABEL FAULT DETECTION AND	PROF SHIVALINGA	
	KRISHNA PAWAR	IRR19EE010	MONITORING SYSTEM	AH	
-	PRAJWAL D.K.	1RR19EE018		10070	
	VAIBHAV S	IRR19EE030		the second s	
5	SNEHA G	1RR19EE025	SMART ENERGY METER	PROF. SINCY ELEZEBTH	
	PURUSHOTHAM .V	1RR1933022	CONTRACT ANTIMATIC TRACTAGES		
	PRATHIK V	IRR19FE019			
	RAKESH G	1RR19EE021			
	SUHAS B	IRR19EE027			
6	CHANDAN N	IRRIGEE	CYBER SECURITY	PROF.KIRUTHIKA	
20 - 1	AKASH	18819EE002			
	MANOJ KUMAR R	IRRIGEFOI4			
_	CHENNE GOWDA	18819FEOOR			
7	KUMAR MANIKANTA	IRR19EE011	WIND TREE POWER GENERATION	PROF.NANDINI	
60 F	PREMSAGAR	1RR19FE022			
1	VAMSI VADITHVA	1881055029			
-	SANATAV VADAV	IDD10EE401	THUMB START EV	PROF.PRUTHA G	
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Phone:+91-80-28437124 / 28437375 https://www.tree.org

Email Id:

hodeee@rrce.org

Campus: #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengahuru - 560074 Rajarajeswari College Of Engineering WebBengaluru-74

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "UAV FOR AMBULANCE ESCORT" carried out by AKSHATHA D A (IRR19EE003), NIVEDHA D (IRR19EE017), SREE HARI K (IRR19EE026), SUVARNA P U (IRR19EE028) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Viewesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been segmented as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

ature of the Guide

Dr P Ebby Darney

Name of the Examiners: L C-P. Horshwandhas 2 Shivalingatal. K.L

2110-1 Signature of the HOD

Dr P Ebby Darney

External Viva

Signature of the Principal

Dr.Balakrishna R RAJARAJESWARI

COLLEGE OF ENGINEERING Signature with datedil Cross, Bengalum-7/

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RAJARAJESWARI COLLEGE OF ENGINEERING [NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bangalore-560074

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certified that the phase project work entitled is "DISTRACTION AND DROWSINESS DETECTION OF VEHICLE DRIVER USING OPEN CV TECHNOLOGY" carried out by ABRIN NISHA J(1RR19EE001), ANUSHA S G(1RR19EE004), YASHAS S M(1RR19EE031) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements.

Udhye m Signature of the Guide

Prof. Udhyami M B

Signature of the HOD Dr. P Ebby Darney

Signature of the Principal

Dr. Balakrishpa RAJARAJESWARI COLLEGE OF ENGINEERING Ramehalli Cross, Bengaluru-74

Name of the Examiners: 1. <u>C-p. Howshowardrow</u> 2. <u>Survaling mindb-K-L</u>

Signature with date: TREES

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RAJARAJESWARI COLLEGE OF ENGINEERING Ramahalli Cross, Kumbalgodu, Mysore Road, Bangalore-560074 (Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

Certified that the project work entitled "AUTOMATIC HEADLIGHTS AND CENTACLE DETECTOR" carried out by LIKITH J (IRR19EE012), MANOJ G EREFEE013), N LEELANJALI (IRR19EE015), SHAMBHAVI M N CEREFEE024) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfillment for the KSCST 45th series SSP. It is certified that a correction suggestions indicated for Internal Assessment have been incorporated in the most deposited in the Departmental library. The project report has been approved as a constant requirements in respect of Project work prescribed for the said

EEE BRCE, BANGALORE

Dr.P.EBBY DARNEY Prof. and HOD, EEE RRCE, BANGALORE

External Viva

Dr. BALAKRISHNA, R PRINCIPAL BANGALORE

RAJARAJESWARI COLLEGE OF ENGINEERING Pamohalli, Cross, Bengaluru-74

Name of the examiners

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Signature with date

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RAJARAJESWARI COLLEGE OF ENGINEERING (#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bangalore-560074 (Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "CYBER ATTACK DETECTION IN POWER SYSTEM USING SUPPORT VECTOR MACHINE" carried out by AKASH H Y (IRR19EE002), CHANDAN K J (IRR19EE007), MANOJ KUMAR R (IRR19EE014), SUHAS B (IRR19EE027) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

Prof. KIRUTHIKA K EEE RRCE, BANGALORE

Dr.P.EBBY DARNEY Prof. and HOD, EEE RRCE, BANGALORE

Dr. BALAKRISHNA, R PRINCIPAL BANGALOBE RAJARAJESWARI COLLEGE OF ENGINEERING Tamohalli Cross, Bengaluru-7/

External Viva

Name of the examiners

Signature with date

1. C.p. Hansraundhan

2. Spiratingainh Kr

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RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bangalore-560074 (Affiliated toVTU, Belagavi, Approved by AICTE, NewDelhi)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

Certified that the project work entitled "IOT Based Underground Cable Fault Detection System" carried out by DHANUSH KUMAR B(1RR18EE005), PRAJWAL DK(1RR19EE018), VAIBHAV S (IRR19EE030) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial finifilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Shi h. K.L

Prof. SHIVALINGAIAH K L. Associate Professor

RRCE, BANGALORE

Dr. P. EBBYDARNEY Prof and HOD, EEE RRCE. BANGALORE

External Viva

Dr. Balakrishna R

PRINCIPAL

RRCE, BANGALORE

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with date

1 211.12 22/00/23

-G.KL

Name of the examiners

= C.p. Houstonendron = shoulingaich. K.L

RAJARAJESWARI COLLEGE OF ENGINEERING [NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PREPAID SMART ENERGY METER" carried out by PRATHIK V(IRR19EE019), PURUSHOTHAM V (IRR19EE023), RAKESH G(IRR19EE023), SNEHA G(IRR19EE023) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

Signature of the Guide

PROF.SINCY ELEZEBETH KURUVILLA

Name of the Examiners:

1. C.p. Hanshavardran 2. Stivali uganach re

Signature

Dr P Ebby Darney

External Viva

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signature of the Principa

Dr.Balakrishna R

Principal RAJARAJESWARI Signature will dialest OF ENGINEERING Samohalli Cross, Bengaluru-7/ Aug 22-luo123

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RAJARAJESWARI COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "WIRELESS CHARGING LANE USING RENEWABLE" carried out by YATHISH GOWDA H (1RR19EE032), TEJASWINI R T (1RR20EE402), UTTAM M(1RR20EE403), a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

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Signature of the Guide Prof. Prutha G

Signature of the NOD

External Viva

Dr P Ebby Darney

Signature of the Principal

Dr. Balakrishna R RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with date:

July_ 22/05/23

540 G-KE 24/8/23

Name of the Examiners:

1. C.p. Hustawardhan 2. Shivalingai al. 121

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RAJARAJESWARI COLLEGE OF ENGINEERING [NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Defhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "Generation of Electricity by Wind Tree" carried out by CHANNE GOWDA K(IRR19EE008), KUMAR MANIKANTA (IRR19EE011), PREM SAGAR (IR19EE021), V VAMSI (IRR19EE029) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been epiroved as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

Prof. Nandini N

- 24

Signature of the HOD

Dr P Ebby Darney

Signature of the Principal

Dr.Balakrishna R

RAJARAJESWARI COLLEGE OF ENGINEERING Pamohalli Cross, Bengaluro 74 Signature with date:

Barr Islound н

Name of the Examiners:

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2 Shivalingaiah al

RAJARAJESWARI COLLEGE OF ENGINEERING (#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74) (ISO 9001:2008 CERTIFIED INSTITUTION) (2022-2023)



RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "THUMB START EV" carried out by NEHARAJ V G (IRR19EE016), SANJAY YADAV N (IRR20EE400), BHOOMIKA J (IRR19EE005), VENU GOPAL (IRR18EE033) a bonafide students of RAJARAJESWARI COLLEGE OF ENGINEERING in partial fulfilment of Bachelor of Engineering under Visvesvaraya Technological University. It is certified that all corrections & suggestions indicated for Internal Assessment have been incorporated in the report & deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements in respect to Project work prescribed for the said degree.

Signature of the Guide

Pro f. Prutha G

Signature of the HOD

Dr P Ebby Darney

External Viva

ignature of the Principal

Dr.Balakrishna R Principal RAJARAJESWARI COLLEGE OF ENGINEERING Pamohalli Cross, Dengriumu-24

11

RAJARAJESHWARI COLLEGE OF ENGINEERING Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the Mini Project Report entitled "Movie Ticket-Booking Management System" is a bonafide Mini Project work carried out by Abhishek N(1RR20IS001) in partial fulfillment of '6th' semester for the Degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum, during the academic year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

Paintheon 7/2/23 **Project Guide**

Prof. Pavithra N Assistant Professor Dept. of ISE RRCE, Bengaluru

Depl of Department E . 563 074. Prof. Dr. Amutharaj Joyson Head of Department Dept. of ISE RRCE, Bengaluru

External Viva

Name of the Examiners

1. Dr J. Am vorman

2.

Signature with Date

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "HOTEL MANAGEMENT SYSTEM" carried out by Amogh M, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the sixth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

anthand Alala

Signature of Coordinator

Mrs. PAVITHRA N ASP, Dept. of ISE RRCE, Bangalore

Signature of HOD74

Dr. AMUTHARAJ Prof. &HOD, Dept of ISE **RRCE**, Bangalore

External Viva-Voce

inchara N.N. 12/7/3 Signature of Guide

Ms. Sinchana M N ASP, Dept of ISE RRCE, Bangalore

Signature with date

Name of the examiners:

1. <u>Br. J. Amononakon</u> 2. <u>Shrideri sali</u>



Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "PAYROLL MANAGEMENT SYATEM" carried out by ANUSHA(1RR20IS003), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

External Viva

Signature of Guide Mr.DineshKumar M Asst. Prof., Dept. of ISE RRCE, Bangalore-74

Name of the examiners

Shriden sal

Signature of HOD Dr. J Amutharaj ARAJ, M.E., Ph.D., FIE. Prof. and Head, Dept of ISE and RRCE, Bangalore-74 Science & Engineering Dept. Science of ENGINEERING RALIANE WATCHING OF ENGINEERING RALIANE MALORE - 660 074.

Signature with date



KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "HOTEL MANAGEMENT SYSTEM" carried out by Amogh M, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the sixth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022– 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Paulon 2/2/23

Signature of Coordinator

Mrs. PAVITHRA N ASP, Dept. of ISE RRCE, Bangalore

12023 HARAJ, ME, Ph.D., FIE,

Dapt. Signature of HODENGINEERING RAJARE BANGALORE - 560 074. Dr. AMUTHARAJ Prof. &HOD, Dept of ISE RRCE, Bangalore

External Viva-Voce

Sinchana H.N 12/3/23

Signature of Guide

Ms. Sinchana M N ASP, Dept of ISE RRCE, Bangalore

Signature with date

Name of the examiners:

J. AronoArara

Shriden. sali



Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "COMPLAINT SHOPPING MANAGEMENT SYSTEM" carried out by D HARSHITHA(IRR20IS006), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the GUIDE

Prof., DINESHKUMAR . M Assistant Prof., Dept of ISE RRCE, Bengaluru Doct. of **Signature of HOD** STEE DANG ALORE - 560 074. DR. J AMUTHARAJ HOD, Dept of ISE RRCE,Bengaluru

External Viva

Name of the examiners

1. Dr.J. Ammong RAJ 2. Shriden sali

Signature with date



202

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "PHARMACY MANAGEMENT SYSTEM" carried out by DEEPTI R(IRR20IS007), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Mrs. Neha Singhal Asst. Prof., Dept. of ISE RRCE, Bangalore-74

Name of the examiners

External Viva

1. Dr.J. Ammangand 2. Shridevi Sali

117/202 Professor & HOD

Dept. of luformation Science & Engran Rejarajeswark College of Engineering Bangas Bang

Dr. J Amutharaj Prof. and Head, Dept of ISE RRCE, Bangalore-74

Signature with date 8 01 2023



Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "STUDENT MANAGEMENT SYSTEM" carried out by Diksheetha R (1RR20IS008), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide [Asst. Prof Yamunashree] Dept of ISE RRCE, Bangalore.

Signature of HOD [Dr. J Amutharaj] Prof. and Head of Dept, ISE Ramohall Cross, Bengaluru-74 RRCE, Bangalore. RRCE, Bangalore.

Signature of Principal [Dr. R Balakrishna] Principal,

Name of the Examiners 1. Shriden Sali

External Viva Signature of the Examiner 1. 2.

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "STUDENT MANAGEMENT SYSTEM" carried out by Divyashree G (1RR20IS009), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of [Asst. Prof Yamunashree] Dept of ISE **RRCE**, Bangalore.

Signature of HOD [Dr. J Amutharaj] Prof. and Head of Dept, ISE Principal, Bengaluru-74 **RRCE**, Bangalore.

Signature of Principal [Dr. R Balakrishna] **RRCE**, Bangalore.

External Viva

Name of the Examiners 1. Dr J. ADONONARRAJ 2. Shridevi. Sali

Signature of the Examiner

Rajarajeswari College Of Engineering Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



This is to certify that the project report entitled "COACHING INSTITUTE MANAGEMENT SYSTEM" is a bonafide project work carried out by Divyashree M L (1RR20IS010), in partial fulfillment of VI semester for the Degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi, during the academic year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

Project Guide

Asst.Prof.RathiDevi T

Assistant. Professor Dept. of ISE, RRCE, Bangalore.

Dr.J. Head of Department Dept. of Information Bolin Cor Escalable RAJARAJESWATE ODULEGE CO ESCALABLE BANGALORE - 560 074.

> Dr. Amutharaj J Professor and HOD Dept. of ISE, RRCE, Bangalore.

External Viva

Name of the Examiners

Br J. Amvoragens Shriden . sali







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Rajarajeswari College Of Engineering Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



that all corrections/suggestions indicated for Internal Assessments have been incorporated with the of Visvesvaraya Technological University, Belagavi, during the academic year 2022-23. It is certified is a bonafide project work carried out by GOUTHAMI V N (1RR20IS011), in partial fulfillment of VI semester for the Degree of Bachelor of Engineering in Information Science and Engineering

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled " Banking Record System " carried out by Ms.HEMA KRISHNA G R, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

21/20

Signature of Guide

Mrs.RATHIDEVI T AP, Dept. of ISE

RRCE, Bangalore

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SHERE GOLLELE OF RAJARAJ Dr. J AMUTHARAJ Prof. &HOD, Dept of ISE **RRCE**, Bangalore

External Viva-Voce

Signature of Principal

Dr.R.BALAKRISHNA

Principal Principal RRCERBangatoreWARI COLLEGE OF ENGWIEERING Ramohalli Cross, Bengaluru-74

Signature with date

Name of the examiners:

1. Dr J. Amuriara



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RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled " Banking Record System " carried out by Ms.KAVANA S K, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

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Signature of Guide Mrs.RATHIDEVI T AP, Dept. of ISE RRCE, Bangalore

Signature of HOD

Dr. J AMUTHARAJ Prof. &HOD, Dept of ISE RRCE, Bangalore

External Viva-Voce

Signature of Principal

Dr.R.BALAKRISHNA

Principal Principal RRCE/Bangatore/ARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature with date

Dr J. AmmaARAD

Name of the examiners:

Shriden Sali



KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Banking Record System " carried out by Ms.KOUSALYA.H, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022– 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Guide

Mrs.RATHIDEVI T AP, Dept. of ISE RRCE, Bangalore

Name of the examiners:

1. Dr J. Arowston Bard

Shriden sal?

Dr.J. Depl. Signature of HOD GALES

Dr. J AMUTHARAJ Prof. &HOD, Dept of ISE RRCE, Bangalore

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Signature of Principal

Dr.R.BALAKRISHNA Principal Principal RAJARAJESWARI RRCE Bangalore CINCERING Ramohaili Cross, Bengsluru-7/

External Viva-Voce



Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022 - 23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "COMPLAINT MANAGEMET SYSTEM" carried out by KIRANA S(1RR20IS014), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineeringin Information science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of GUIDE Prof. DINESHKUMAR M Assistant Prof., Dept of ISE RRCE, Bengaluru

riant, of in Signature of HOI Dr. J.AMUTHARAJ

HOD, Dept of ISE RRCE, Bengaluru

External Viva

Name of the examiners

1. Br J. Amuna RAJ

2. Shriden Sali



KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "HOTEL MANAGEMENT SYSTEM" carried out by Kushal K, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the sixth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project reporthas been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

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Mrs. PAVITHRA N ASP, Dept. of ISE

RRCE, Bangalore

Signature of Coordinator Dept. of Signature of HOD Dr. AMUTHARAJ Prof. &HOD, Dept of ISE

RRCE, Bangalore

Sinchone, M.N 12/7/23.

Signature of Guide Ms. Sinchana M N Ast, prof. Dept of ISE

RRCE, Bangalore

External Viva-Voce

Name of the examiners:

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RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 [AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "COVID-19 VACCINE MANAGEMENT SYSTEM" carried out by, LOHITH T V(1RR20IS017) bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of HOD [Dr. J Amutharaj] Prof., and Head of ISE RRCE Bangalore.

External Viva

Name of the Examiners 1. Br. J. Annogram

authorn 12/2/28

Signature of Guide

[Mrs. Pavithra N]

RRCE Bangalore.

Assit.Prof, Dept of ISE

Signature of the Examiner 01 2023



AUMENTGODE MYSORE BOAD, BANGALORI -540074

(AN ISO 9991;2908 Cartifled institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Library Management System" carried out by partial fulfilment for the Sixth semester of BACHELORE OF ENGINEERING in INFORMATION MLVASITHA, bona-fide student of "RAJARAJESHWARI COLLEGE OF ENGINEERING" in

report has been approved as it satisfied the academic requirements in respect of mini project. Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal SCIENCE AND ENGINEERING of the visvesvaraya Technological university. assignment have been incorporated in the report deposited in the department library, the mini project

Signature of Guide

[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

[Dr. J. Amuthara]] Signal and of HOB

Dr.J. MAUTHADAL US P Den HOD, Dept of ISE, RRCE BA GALORE - 550 11 E. Ph.D. 7 E

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NAME OF EXAMINERS:

SIGNATURE WITH DATE:

Shriden Sali

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Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "EMPLOYEE MANAGEMENT SYSTEM" carried out by Manasa B J (IRR20IS019), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Pavithonan 1212123

Signature of Coordinator [Mrs. Pavithra N] Asst.Prof. Dept of ISE RRCE, Bangalore. Signature of Guide [Dr. J Amutharaj] Prof. and HOD of ISE RRCE, Bangalore.

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Signature of HOD [Dr. J Amutharaj] Prof. and HOD of ISE RRCE, Bangalore.

External Viva Name of the Examiners 1. Dr J. Amongens

Smiden Sal

Signature of the Examiner 012023



RAJARAJESWARI COLLEGE OF ENGINEERING KUMBALGODU, MYSORE ROAD, BANGALORE-560074 DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "ATM MANAGEMENT SYSTEM" carried out by MANASA J, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfilment for the sixth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester

Signature of Guide

Dr AMUTHARAJ J

Prof & HOD, Dept of ISE

RRCE, Bangalore

Signature of HOD

Dr AMUTHARAJ J

Prof. &HOD, Dept of ISE

RRCE, Bangalore

External Viva-Voce

Signature of Principal

Dr R. BALAKRISHNA

Principal Principal RAIARAJESWARI RRCEOBLEGE OF ENGINEERING Ramohalli Cross, Bangaluru-7"

Name of the examiners:

1. Dr.J. AnnongRo

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RAJARAJESWARI COLLEGE OF ENGINEERING KUMBALGODU, MYSORE ROAD, BANGALORE-560074 DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "ATM MANAGEMENT SYSTEM" carried out by MEGHANA C V, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfilment for the sixth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide

Dr AMUTHARAJ J

Prof & HOD, Dept of ISE

RRCE, Bangalore

Signature of HOD

Dr AMUTHARAJ J

Prof. &HOD, Dept of ISE

RRCE, Bangalore

Signature of Principal

Dr R. BALAKRISHNA Principal AJARAJESWARI COLLEGE OF ENGINEERING RRGE BangaloreBengaloru-7/

External Viva-Voce

Name of the examiners:

1. Dr.J. Annon DRA

Shriden



Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "Kashmir Fruit Basket" carried out by MUBASHIR AHMAD GUJIRI (IRR20IS023) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information Science Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhal Prof. Dept of ISE RRCE, Bangalore

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Signature of HOD Dr. J Amutharaj HOD, Dept. of ISE RRCE, Bangalore

External Viva

Name of the examiners

1. Dr.J. Amvonanna



Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

ANOWLEDGE IS POWER

CERTIFICATE

Certified that the project work entitled "Kashmir Fruit Basket" carried out by MUDASIR HASHMAT WANI (IRR20IS024) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information Science Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhal Prof. Dept of ISE RRCE, Bangalore

Signature of HOD Dr. J Amutharaj HOD, Dept. of ISE RRCE, Bangalore

External Viva

Name of the examiners

1. Dr.J. Amonopogs 2. Shriden sal



RAJARAJESHWARICOLLEGEOFENGINEERING Kumbalagodu,Bengaluru-560074

DEPARTMENTOFINFORMATIONSCIENCEANDENGINEERING



This is to certify that the Mini Project Report entitled "Movie Ticket-Booking Management System" is a bonafide Mini Project work carried out by Nandan G Shetty(IRR20IS025) in partial fulfillment of '6th' semester for the Degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum, during the academic year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with thedegree mentioned.

authorn 12/2/23 **Project Guide**

Prof.PavithraN AssistantProfessor Dept. of ISE RRCE,Bengaluru

NamcoftheExaminers

Shriden Sall

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2.

Head of Department

Head of Department Dept. of SE RRCE, Bengaluru

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SignaturewithDate

3012023

KUMBALGODU MYSORE ROAD, BANGALORE-560074

(AN ISO 9001:2008 Certified institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Library Management System" carried out by NANDITHA R, bona-fide student of "RAJARAJESHWARI COLLEGE OF ENGINEERING" in partial fulfilment for the Sixth semester of BACHELORE OF ENGINEERING in INFORMATION SCIENCE AND ENGINEERING of the visvesvaraya Technological university, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assignment have been incorporated in the report deposited in the department library, the mini project report has been approved as it satisfied the academic requirements in respect of mini project.

Paster

Signature of Guide

[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

EXTERNAL VIVA-VOICE

SIGNATURE WITH DATE:

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Signature of HOD

Dept. of [Dr. J. Amutharaj]

HOD, Dept of ISE, RRCE

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NAME OF EXAMINERS:

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Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "COMPLAINT SHOPPING MANAGEMENT SYSTEM" carried out by NAVEEN AD(1RR20IS027), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the GUIDE Prof., DINESHKUMAR . M Assistant Prof., Dept of ISE RRCE, Bengaluru

Signature of HOL

DR. J AMUTHARAJ HOD, Dept of ISE RRCE,Bengaluru

External Viva

Name of the examiners

Spriden Sal

Signature with date

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 [AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CAR RENTAL SYSTEM" carried out by, PANENDRA R(1RR20IS028) bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide [Mrs. Rathi Devi] Asst.Prof, Dept of ISE RRCE, Bangalore.

Signature of HOD [Dr. J Amutharaj] Prof., and Head of Dept, ISE RRCE, Bangalore.

Signature of Coordinator [Mrs , Pavithra N] Asst.Prof, Dept of ISE , RRCE, Bangalore.

External Viva

Name of the Examiners 1. BY J Am VOBARAJ aprechention

Signature of the Examiner



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[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI] Kumbalgodu, Mysore Road, Bengalore-560074

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

in respect of mini project work prescribed for the sixth semester. certified that the all corrections/suggestions indicated for Internal Assessment semester Bachelor of Engineering in Information Science and Engineering of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th SYSTEM" carried out by Pooja Certified that the project work entitled "EMPLOYEE MANAGEMENT mini project report has been approved as it satisfies the academic requirements have been incorporated in the report deposited in the departmental library. The Visvesvaraya Technological University, Belagavi during the year 2022-23. It is J (1RR20IS029), bonafide student of buttere

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Signature of Coordinator [Mrs. Pavithra N] Asst.Prof. Dept of ISE

RRCE, Bangalore

Signature of Guide [Dr. J Amutharaj] Nonstruard.

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Prof. and HOD of ISE **RRCE**, Bangalore.

Signature of HOD 20074 Prof. and HOD of ISE Dr. J Amutharaj **RRCE**, Bangalore

External Viva

Name of the Examiners

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Signature of the Examiner

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RAJARAJESHWARI COLLEGE OF ENGINEERING Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the Mini Project Report entitled "Movie Ticket-Booking Management System" is a bonafide Mini Project work carried out by Prajwal R(1RR20IS030) in partial fulfillment of '6th' semester for the Degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belgaum, during the academic year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated with the degree mentioned.

Printhand 14/7/28 **Project Guide**

Prof. Pavithra N Assistant Professor Dept. of ISE RRCE,Bengaluru

Head of Department

BAN Head of Department Dept. of ISE RRCE,Bengaluru

External Viva

Name of the Examiners

1. Dr.J. Annonmond

Signature with Date

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as it satisfies the academic requirements in respect of project work prescribed for the said in the Report deposited in the departmental library. The project report has been approved by PRERANA M R (1RR20IS032), bonafide student of Rajarajeswari College of Certified that the project report entitled "Vehicle Parking Management System" carried out that all corrections/ suggestions indicated for Internal Assessment have been incorporated Engineering in partial fulfilment for the award of Bachelor of Engineering of the Asst. Prof, Dept. of ISE Degree Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified Prof. Sinchana M N Particion 14/2/28 Signature of Guide RRCE, Bangalore-74 Name of the examiners La Sul Amandhagan RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING Kapuscho Monare (An ISO Certified Institute, NAAC 'A' Accredited) Kumbalgodu, Mysore Road, Bangalore-560074 CERTIFICATE External Viva (2018-19) Prof. and Head, Dept of ISE Signature of HOD RRCE, Bangalore-74 Dr. J Amutharaj Signature with date repelular barren

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P ٣ in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological project work prescribed for the said Degree library. The project report has been approved as it satisfies the academic requirements in respect of indicated for InternalAssessment have been incorporated in the Report deposited in the departmental University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions RACHANA D SHETTY(1RR20IS033), bonafide student of Rajarajeswari College of Engineering Certified that the project report entitled "PHARMACY MANAGEMENT SYSTEM" carried out by Name of the examiners P DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING J. Arannan Aran J RAJARAJESWARI COLLEGE OF ENGINEERING Asst. Prof., Dept. of ISE RRCE, Bangalore-74 U Per Statara Mrs. Neba Singhal Signature of Guide (An ISO Certified Institute, NAAC 'A' Accredited) Kumbalgoda, Mysore Road, Bangalore-External Viva CERTIFICATE (2018-19) Dept. of Information Selence & English Dept. of Information Selence & English Rajarajeuwagroniege.d Englished Bangenature & HOD 560074 gnature Professor & HOD Prof. and Head, Dept of ISE with date RRCE, Bangalore-74 Dr. J Amutharaj 522 -D Loon/1/

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Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "EMPLOYEE MANAGEMENT SYSTEM" carried out by Rashika M (1RR20IS034), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

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Signature of Coordinator [Mrs. Pavithra N] Asst.Prof. Dept of ISE RRCE, Bangalore. Signature of Guide [Dr. J Amutharaj] Prof. and HOD of ISE RRCE, Bangalore.

External Viva

Signature of HOD [Dr. J Amutharaj] Prof. and HOD of ISE RRCE, Bangalore.

Name of the Examiners

1. Dr J. Ammaraj havena

Signature of the Examiner

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 UNIVERSITY, BELAGAVIJ

1 6

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

of mini project work prescribed for the sixth semester. project report has been approved as it satisfies the academic requirements in respect certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini Visvesvaraya Technological University, Belagavi during the year 2022-23. It is semester Bachelor of Engineering in Information Science and Engineering of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th SYSTEM" carried out by, RAVI KUMAR N (1RR201S035) bonafide student of Certified that the project work entitled "COVID-19 VACCINE MANAGEMENT

Paulitie N 10/1/20 [Mrs. Pavithra N]

rept. of th **NITWA** ENVS. the life out [Dr. J Amutharaj] Signature of HOD

External Viva

RRCE Bangalore.

Assit.Prof, Dept of ISE

Prof., and Head of ISE

RRCE Bangalore.

Name of the Examiners BY J. And run and

R. Dr. Ano homoe

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KUMBALGODU MYSORF, ROAD, BANGALORE-560074 (AN 15O 9001:2008 Certified institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Library Management System" carried out by RIYA KUMARI, bona-fide student of "RAJARAJESHWARI COLLEGE OF ENGINEERING" in partial fulfilment for the Sixth semester of BACHELORE OF ENGINEERING in INFORMATION SCIENCE AND ENGINEERING of the visvesvaraya Technological university. Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assignment have been incorporated in the report deposited in the department library. the mini project report has been approved as it satisfied the academic requirements in respect of mini project.

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Signature of Guide

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[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

Dr.J. April ARM

Paper challonge

Signature of HOD

[Dr. J. Amutharaj]

Dr. HÓD, Dept of ISE, RRCE

SIGNATURE WITH DATE:



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 [AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "COVID-19 VACCINE MANAGEMENT SYSTEM" carried out by, ROHAN S (1RR20IS037) bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Paulibri 12/7/25

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Signature of Guide [Mrs. Pavithra N] Assit.Prof, Dept of ISE RRCE Bangalore. Jourtwegth 10023

[Dr. J Amutharaj] Prof., and Head of ISE RRCE Bangalore.

External Viva

Name of the Examiners 1. Dr.J. Armonarozo Carenoharoo

Signature of the Examiner

MYSORE ROAD, BENGALURU-560074 (An ISO 9001;2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



Department of Information Science & Engineering

CERTIFICATE

Cretified that the mini project work entitled

"ELECTRONIC STORE MANAGEMENT SYSTEM"

Carried out by

SACHETH N(1RR20IS038)

Certified that the Mini-project work entitled "Electronic Store Management System" is a bonafide, are Bonafide students of Rajarajeswari college of Engineering, in partial fulfilment for 6th semester in INFORMATION VISVESVARAYA of the ENGINEERING AND SCIENCE TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said degree.

Castholan 12/2/23

Prof. Pavithra N Asst. Professor Dept. of ISE, RRCE

1 Internal Examiner:

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M.E., Ph.D., FIE or & Head Dept. of Informa OF ENGINEE RAJARA

BADr. J.Amutharai **Professor & Head** Dept. of ISE, RRCE

2 External Examiner: Jonuro Marco



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 [AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CAR RENTAL SYSTEM" carried out by. SAGAR D (1RR20IS039) bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide [Mrs. Rathi Devi] Asst.Prof, Dept of ISE RRCE, Bangalore.

Signature of HOD [Dr. J Amutharaj] Prof., and Head of Dept, ISE RRCE, Bangalore.

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Signature of Coordinator [Mrs , Pavithra N] Asst.Prof, Dept of ISE , RRCE, Bangalore.

External Viva

Signature of the Examiner

Name of the Examiners MUTHARAJ Hr J. renominaco



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVIJ

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CAR RENTAL SYSTEM" carried out by. SATHWIK C B (1RR20IS040) bonafide student of Rajarajeswari College of Engineering. Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide Mrs. Rathi Devi] Asst.Prof, Dept of ISE **RRCE**, Bangalore.

Signature of HOD [Dr. J Amutharaj] Prof., and Head of Dept, ISE **RRCE**, Bangalore.

External Viva

14/2/23

Signature of Coordinator [Mrs, Pavithra N] Asst.Prof, Dept of ISE , **RRCE**, Bangalore.

Name of the Examiners 1. Dr. T. Ammanens appointal

Signature of the Examiner



Certified that the p SINDHU P , bona-fid fulfilment for the sixth sem of the Visvesvaraya Techno all corrections/suggestions i deposited in the department academic requirements in re academic requirements in re academic requirements in re academic requirements in re		RAJARAJES KUMBALG DEPARTME	
oject work entitled "ATM MANAG e student of "RajaRajeswari Colle ester of Bachelor of Engineering in logical University, Belagavi during indicated for Internal Assessment ha al library. The mini project report h aspect of mini project work prescrib spect of mini project work prescrib Signature of HOD Dept. of International College	CERTIFICA	SWARI COLLEGE O ODU, MYSORE ROAD, B NT OF INFORMATION SCIE	
GEMENT SYSTEM" carried out by rge of Engineering" in partial In Information Science & Engineering the year 2022–2023. It is certified that ave been incorporated in the report as been approved as it satisfies the bed for the sixth semester. bed for the sixth semester. Signature of Principal Dr R. BALAKRISHN	TE	OF ENGINEERING ANGALORE-560074 NCE & ENGINEERING	

RRCE, Bangalore

Prof & HOD, Dept of ISE

Dr AMUTHARAJ J

RALLEGE OF ENGINEERING Ramohalli Cress, Benga'unu-74 PrincipalARAJESWARI Dr R. BALAKKIS >

Prof. &HOD, Dept of ISE

RRCE, Bangalore

External Viva-Voce

Name of the examiners:

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Signature with date

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RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "PAYROLL MANAGEMENT SYATEM" carried out by SUPRAJA AV(1RR20IS042), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

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Signature of Guide Mr.DineshKumar M Asst. Prof., Dept. of ISE **RRCE**, Bangalore-74

Signature of HOD Dept. of Dr. J Amutharajo74. Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Signature with date

Dr J. Ammanana

Relans hora ce

Name of the examiners

Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Kashmir Fruit Basket" carried out by THANUSH.P (IRR20IS043) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information Science Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhal Prof. Dept of ISE RRCE, Bangalore

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Signature of HO

Dr. J Amutharaj HOD, Dept. of ISE RRCE, Bangalore

External Viva

Name of the examiners

1. Dr. J. Ammannanos 2. Parce do borroe



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074 [AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CAR RENTAL SYSTEM" carried out by. VIJAY G (1RR20IS044) bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 6th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the sixth semester.

Signature of Guide [Mrs. Rathi Devi] Asst.Prof, Dept of ISE RRCE, Bangalore.

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Signature of HOD [Dr. J Amutharaj] Prof., and Head of Dept, ISE RRCE, Bangalore.

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Signature of Coordinator [Mrs , Pavithra N] Asst.Prof, Dept of ISE , RRCE, Bangalore.

External Viva

Name of the Examiners 1. BrJ. Annotoria J Prepersonante

Signature of the Examiner ultra



MYSORE ROAD, BENGALURU-560074 (An ISO 9001;2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



Department of Information Science & Engineering

CERTIFICATE

Cretified that the mini project work entitled

"ELECTRONIC STORE MANAGEMENT SYSTEM"

Carried out by

Y SRIDHAR(1RR20IS045)

Certified that the Mini-project work entitled "Electronic Store Management System" is a bonafide, are Bonafide students of Rajrajeshwari college of Engneering, in partial fulfilment for 6th semester in INFORMATION SCIENCE AND ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said degree.

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Prof. Pavithra N Asst. Professor Dept. of ISE, RRCE

Do J. Amoranon J.

Dept. of Information

BANGALORE - 560 07 RAJARAJES Dr. J Amutharaj **Professor & Head** Dept. of ISE, RRCE

2 External Examiner:

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Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)



CERTIFICATE

Certified that the project report entitled " ONLINE VOTING MANAGEMENT SYSTEM " carried out by ABHISHEK N (1RR20IS001), bonafide student of Rajarajeshwari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Un?

Dr. Subburaj T

Asst Prof., Dept. of ISE RRCE, Bangalore-74 Signature of HOD

Dr. Neha Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

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Signature of Principal

Dr. Balakrishna R Principal RAJARAIESHABRI CORREPORTATIONS Ramohalli Cross, Bengaluru-7/

m Dived et Jusen

Dr. Cheffan . k.c.

Signature with date

Name of the examiners

1 Develikumar. M 2. In Chillian K.c.

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "INSURANCE MANAGEMENT SYSTEM" carried outby Amogh M, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

.....

Dr.T. SUBBURAJ ASP, Dept. of ISE RRCE, Bangalore

Signature of HOD

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE RRCE, Bangalore

External Viva-Voce

\$4085 201133

Signature of Principal

Dr.R.BALAKRISHNA Principal

RRCE, Bangalore RAJARAJESWARI COLLT IN THE ENCINEERING Ramohalli Cross, Bengaluru-7/

Signature with date

Dr. Chethan . K.C

Name of the examiners:

1. Dr. Chethan K.C.

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFOR TENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "COURIER MANAGEMENT SYSTEM" carried out by ANUSHA (1RR20IS003), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the vear 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Sinchava H.N. 25 01 23 Signature of Guide

RRCE, Bangalore-74

Signature of HOD Dentingsor & M o & Fr Ms. Sinchana M N Decisor Dr. Neha Singhaled ----Asst Prof., Dept. of ISE Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Name of the examiners

1. Hachkenna 1 m

2 Dr. Cheffin He

Signature of Principal

Dr. Balakrishna R Principal. RRGELdansatore-74 COLLEGE OF ENGINEERING Pamohalli Cross, Bengaluru-74

an Dural 2 Talans Dr. Chefhan, K.C.

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by ANUSHA MAHESH (IRR20IS004), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated forInternal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academicrequirements in respect of project work prescribed for the said Degree.

8 311/23

Signature of Guide

Ms. Sinchana M N

Asst Prof., Dept. of ISE RRCE, Bangalore-74

112023

Signature of HOD

Dr. Neha Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Signature of Principal

Dr. Balakrishna R RAJARAJESWARI COLLEGE AFE ENGINEERING Barrebelli Singarare 74

Name of the examiners

Agnest James m 2. Dr. Chethan. K.C.

Signature with date

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "INSURANCE MANAGEMENT SYSTEM" carried out by Chirag G J, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE RRCE, Bangalore

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Signature of HOD Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE

RRCE, Bangalore

External Viva-Voce

RADE =11->

Signature of Principal Dr.R.BALAKRISHNA Principal

RRCE, Bangalorepal RAJARA:ESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/ Signature with date

Dr. Chethan. K. C

Name of the examiners:

1. Deschlemmen m

2. Dr. Chethan, Kic

Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "ONLINE SHOPPING MANAGEMENT SYSTEM" carried out by D HARSHITHA(IRR20IS006), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Framster, & M

Dopt. of Information Rajaraje struktore of

Signature of Co-ordinator Dr T SUBBURAJ Associate Prof., Dept of ISE RRCE, Bengaluru Signature of HOD Dr. NEHA SINGHAL HOD, Dept of ISE RRCE, Bengaluru

External Viva

Signature of Principal Dr. R BALAKRISHNA

PRINCIPAL

1000022

RRCE Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Samohalli Cross, Bengaluru-74

Signature with date

malhed station 27

Dr Chethan. Kc

Name of the examiners

1. Desellatumarin 2. Dr. Cheftian K.C

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by DEEPTI R (IRR20IS007), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated forInternal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academicrequirements in respect of project work prescribed for the said Degree.

10123/01/23

Signature of Guide

Ms. Sinchana M N

Asst Prof., Dept. of ISE RRCE, Bangalore-74 2310112023

Signature of HOD

Dr. Neha Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Name of the examiners

1. Dr. Chefhan. K.c.

Signature of Principal

Dr. Balakrishna R

Principal RAMARAJASWARI OCRUBABOANSWARI Ramohalli Cross, Bengaluru-7



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "ONLINE TICKET RESERVATION SYSTEM" carried out by Diksheetha R (1RR20IS008), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 5th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

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Signature of Guide Dr. T. Subburaj **RRCE**, Bangalore.

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Signature of HOD [Dr. Neha Singhal] Asst. Prof, Dept of ISE Prof. and Head of Dept, ISE RRCE, Bangalore.

External Viva

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Signature of Principal [Dr. R Balakrishna] Principal, RRCE, Bangalore. RAJARAJESWARI COLLEGE OF ENGINEERING "amohalli Cross, Bengaluru-7.*

Name of the Examiners

K. Donellikumer.m 2. Dr. Chethan.K.C

2. Dr Chethan. K.C

Signature of the Examiner

Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSESWARAYA TECHNOLOGOLICAL UNIVERSITY, BELAGAVI]

(An ISO 9001:2008 Certified institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "ONLINE TICKET RESERVATION SYSTEM" carried out by Divyashree G (IRR20IS009), bonafide student of Rajarajeswari College of Engineering, Bengaluru, in partial fulfilment for the 5th semester Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that the all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

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Signature of Guide [Dr. T. Subburaj] **RRCE**, Bangalore.

Signature of HOD [Dr. Neha Singhal] Asst. Prof, Dept of ISE Prof. and Head of Dept, ISE **RRCE**, Bangalore.

Signature of Principal [Dr. R Balakrishna] Principal COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners

1. Develletumos M 2. Dr. Chethan K.C.

Signature of the Examiner

1. m Daved station 2. Dr. Chethan.K.C

KUMBALGODU, MYSORE ROAD, BANGALORE-560074 Department of Information Science and engineering



CERTIFICATE

This is to certify that project work entitled "HOSTEL MANAGEMENT SYSTEM" is a bona-fide work carried out by Ms. DIVYASHREE M L (IRR20IS010) in partial fulfillment for the DBMS Laboratory with Mini Project (18CSL58) of 5th semester Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2022 – 2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide

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Dr. T. SUBBURAJ

Asst.Prof. Dept of ISE, RRCE, Bangalore

Signature of

Dr. NEHA SINGHAL Prof.&HOD, Dept of ISE, RRCE, Bangalore

RK485 312/23

Signature of Principal

Dr. R. BALAKRISHNA

Principal RRCE, Bangalore

External viva-voce

Name of the Examiners

1) Deverbleuman m 2) Dr. Chethen, K.C.

KUMBALGODU, MYSORE ROAD, BANGALORE-560074 Department of Information Science and engineering



CERTIFICATE

This is to certify that project work entitled "HOSTEL MANAGEMENT SYSTEM" is a bona-fide work carried out by Ms. GOUTHAMI V N (IRR20IS011) in partial fulfillment for the DBMS Laboratory with Mini Project (18CSL58) of 5th semester Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2022 – 2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed.

Signature of Guide

Dr. T. SUBBURAJ

Asst.Prof. Dept of ISE, RRCE, Bangalore

Name of the Examiners

2) Dr. Chiffian h.C.

Professor 8 Dept. of information Science & Born, Rejatajeowart/2012;00;11:0; jinemin.g Bangeloro, 7680.074...

Signature of HOD

Dr. NEHA SINGHAL

Prof.&HOD, Dept of ISE, RRCE, Bangalore

External viva-voce

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Signature of Principal

Dr. R. BALAKRISHNA

Principal RRCE, Bangalare RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Pharmacy Management System" carried out by Ms. HEMA KRISHNA G R, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE RRCE, Bangalore

Dopt, of information Science i Rejarejenwani College (Childening Bangalorit - Wasyord. Signature of HOD

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Dr.NEHA SINGHAL

Prof. &HOD, Dept of ISE RRCE, Bangalore

External Viva-Voce

Signature of Principal

Dr.R.BALAKRISHNA Principal

RRCE, Bangalore

Name of the examiners:

Dr. Chethan. K. C

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Pharmacy Management System" carried out by Ms.KAVANA S K, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE RRCE, Bangalore

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Signature of HOD

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE RRCE, Bangalore Signature of Principal Dr.R.BALAKRISHNA Principal RRCE, Bangalore

External Viva-Voce

Name of the examiners:

Dr. Chethan K.c.

Kumbalgudu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified "ONLINE SHOPPING that work entitled the project MANAGEMENT SYSTEM" carried out by KIRANA S(1RR20IS014), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Information science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Co-ordinator Dr T SUBBURAJ Associate Prof., Dept of ISE RRCE, Bengaluru Signature of HOD Dr. NEHA SINGHAL HOD, Dept of ISE RRCE, Bengaluru

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External Viva

Signature of Principal

Dr. R BALAKRISHNA

PRINCIPAL

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RRCE, Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature with date

IN CONTRACT

Name of the examiners

1. Dr. Chethan K.c

KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "INSURANCE MANAGEMENT SYSTEM" carried out by Kushal K, bona-fide student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE RRCE, Bangalore

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Signature of HOD

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE RRCE, Bangalore

Signature of Principal Dr.R.BALAKRISHNA Principal **RRCE**, Bangalore

External Viva-Voce

Signature with date

Name of the examiners:

2. Dr Chethan h.c.

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO FIFSFESWARAYA TECHNOLOGICAL UNIFERSITY, BELAGAVI] (An ISO 9001 2008 Certified Institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CYBER CAFE MANAGEMENT SYSTEM" carried out by LOHITH TV (IRR201S017), bonafide students of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeswari College of Engineering, Bengaluru, in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CSL58 by Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Coordinator Dr. T Subburaj Assistant Professor,ISE RRCE, Bangalore

Name of the Examiners

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Dr. Chethan K.C.

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Signature of HOD⁴. Dr. Neha Singhal Head of Dept, ISE RRCE, Bangalore

Trafessor

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Rajarajosnet

Signature of Principal Dr. R Balakrishna Principal RRCE_P Rangajore

14405201112

RAJARAJESWARI COLLEGE OF ENGINEERING Signature of the Examiners with date

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KUMBALGODU MYSORE ROAD, BANGALORE-560974 (AN 15O 9001:2008 Certified institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Farmer Database Management System" carried out bona-fide student of " RAJARAJESHWARI COLLEGE OF by MISS M VASITHA, ENGINEERING" in partial fulfilment for the fifth semester of BACHELORE OF ENGINEERING in INFORMATION SCIENCE AND ENGINEERING of the visvesvaraya Technological university, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assignment have been incorported in the report deposited in the department library. the mini project report has been approved as it satisfied the academic requirements in respect of mini project.

Signature of Guide

[Dr.SUBBURAJ.T]

Associate prof., Dept. of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

1. Develophing or my

SIGNATURE WITH DATE:

Signature of HOD

Bragbhau

DENEHASINGHAL

HOD, Dept of ISE, RRCE

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Name of the examiners 1 D. healt-Kausser (19) 2. Dr. Cleffen	Asst.Prof. Dept of ISE RRCE, Bengaluru	the fifth semester 	The students of "RajaRajaswa Bachelor Of Euglneering in University, Belgaum during the Internal Assessment have been in renort has been approved as it sat			RAJARAJE M (Affiliate
Kie	Prof & HOD Dept of ISE RRCE, Bengalura EXTERNAL VIVA-VOCE	Dr. AC to the main of the local sector of the terminal sector of the local sector of t	rl College of Engineering" in partial Information Science & Engineering year 2022-2023, It is certified that all corporated in the reportdeposited in the d tisfies theacademic requirements in respo	Carried out by MANASA B J (1RR20IS019	Certified that mini project work entitl "ONLINE BLOOD BANK"	SWARI COLLEGE OF E VSORE ROAD, BANGALORE-S to Visvesvaraya Technological Univer CERTIFICATE CERTIFICATE
Signature with Date	Principal RRCE, Bringelup RAIARAIESVIAN COLLEGE OF ENGINEES Tameballi Cross, Bengulu	Signature of Principal	falfilment for the fifth semest of the Visvesvarayn Technolo corrections/suggestions indicate epartmental library. The mini p rt of mini project work prescribs	9	ed	NGINEERING 50074 sity, Belgaum) E & ENGINEERING

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KUMBALGODU, MYSORE ROAD, BANGALORE-560074 Department of Information Science and engineering



CERTIFICATE

This is to certify that project work entitled "HOSTEL MANAGEMENT SYSTEM" is a bona-fide work carried out by Ms. MANASA J (IRR20IS020) in partial fulfillment for the DBMS Laboratory with Mini Project (18CSL58) of 5th semester Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2022 – 2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Pit におない品材のつ Signature of HOD

Signature of Guide

Dr. T. SUBBURAJ

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Asst.Prof. Dept of ISE, RRCE, Bangalore

Dr. NEHA SINGHAL

Prof.&HOD, Dept of ISE, RRCE, Bangalore

External viva-voce

P# 30/11-2

Signature of Principal

Dr. R. BALAKRISHNA

Principal RRCE, Bongalare RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with Date

Menter 12 pre

Name of the Examiners

2) Dr. Chethan K.C

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "EVENT MANAGEMENT SYSTEM" carried out by MEGHANA C V (IRR20IS021), bonafide student of RajaRajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Dr. Subburaj T Asst Prof., Dept. of ISE RRCE, Bangalore-74 30/112023

Signature of HOD

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Dep Dr. Neha Singhal Prof. and Hgad, Dept of ISE RRCE, Bangalore-74

External Viva

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Signature of Principal

Dr. Balakrishna R Pfinicipal RRCEA fARASESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/ Signature with date

Vect

Name of the examiners

2. Dr. Chethan ke



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RAJARAJESHWARI COLLEGE OF ENGINEERING

Department of Information Science and Engineering



CERTIFICATE

This is to certify that the mini project entitled "FIFA 18 Player Management System" is a bona fide work carried out by MONICA S V (1RR20IS022) a bona fide student of RAJARAJESHWARI College of Engineering, in partial Fulfillment for the award of degree of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the Report. The mini Project Report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of Coordinate

DR. T. SUBBURAJ Asst.Prof. Dept if ISE Signature of HOD

DT.NEHA SINGHAL Prof. & HOD, Dept of ISE

RRCE, Bangalore

RRCE, Bangalore

Signature of Principal

Dr.R.BALAKRISHNA Principal

RRCEpitaniaiore RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA-VOCA

Name of the examiners:

1. Dr. Chethan K.c.



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "J&K SAFFRON PRODUCTS MANAGEMENT SYSTEM" carried out by MUBASHIR AHMAD [1RR20IS023] bonafide students of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeshwari College of Engineering, Bangalore in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CS53 by Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all Corrections / suggestions indicated for internal Assessment have been incorporated in the Report Deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide Dr. T Subburaj Professor ISE

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Signature of the HOD Dr. Neha Singhal Head of Dept. ISE

External Viva Name and Signature of the Examiners

21 Page Dr. Chethan K.c. Legt



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "J&K SAFFRON PRODUCTS MANAGEMENT SYSTEM" carried out by MUDASIR HASHMAT [1RR20IS024] bonafide students of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeshwari College of Engineering, Bangalore in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CS53 by Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all Corrections / suggestions indicated for internal Assessment have been incorporated in the Report Deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide Dr. T Subburaj Professor ISE

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3011/2023 Signature of the HOD Dr. Neha Singhal

Dep Head of Dept. ISE Related Bangaloro - Bod St.

External Viva Name and Signature of the Examines. Dreutermore market of Jon Dr Chithan K-C Vec THE3

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)





CERTIFICATE

Certified that the project report entitled " ONLINE VOTING MAXAGEMENT SYSTEM " carried out by NANDAN G SHETTY (IRR20IS025), bonafide student of Rajarajeshwari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University. Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

ingent

Dr. Subburaj T

Asst Prof., Dept. of ISE RRCE, Bangalore-74 Signature of HOD

Dr. Neha Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Signature of Principal

Dr. Balakrishna R Principat RAJARAJESMARI COLLEGE OF STATISTICS Samohalli Cross. Bengaluru-78

Signature with date

Name of the examiners

1. Deneshkumester 2 Dr. Cheffian Ke

RAJARAJESWARICOLLEGEOFENGINEERING KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "Student Management System" carried out by Ms.Nanditha R, bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE

RRCE, Bangalore

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Signature of HOD

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE

RRCE, Bangalore

External Viva-Voce

Signature of Principal

Dr.R.BALAKRISHNA

Principal RRCE SIAGABLEAWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Name of the examiners:

Develiburar m

, Dr. Chettan K.C.

RAJARAJESWARICOLLEGEOFENGINEERING kumbalgodu, mysore road, bangalore-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "Student Management System" carried out by , bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE

RRCE, Bangalore

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Signature of HOD

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE

RRCE, Bangalore

External Viva-Voce

Signature of Principal

Dr.R.BALAKRISHNA Principal Principal BAIARAJESWARI RRCF, Bangalore COLLEGE OF ENGINEERING Primoballi Cross, Bengaluro-7e

Name of the examiners:

Breilikumorm Dr. Chiffon K.C.
Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC+A+ Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "Airline Reservation System " carried out by PANENDRA R (IRR20IS028), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Dr.T.Subburaj

Dr. Neha Singhal

Signature of HOD

Professor & tick

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Assoc Prof., Dept. of ISE RRCE, Bangalore-74 Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Name of the examiners

1. Brest Kumer M 2. Dr. Chethan le.C.

Signature of Principal

Dr. Balakrishna R

Principal RAJARAJESWARI COLLEGE OF ENGINE ERING RECE, Bangalore-74 Pamohalii Cross, Bengaluru-7

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RAJARAJESWARICOLLEGEOFENGINEERING KUMBALGODU, MYSORE ROAD, BANGALORE-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "Student Management System" carried out by Ms.POOJA J , bona-fide student of "RajaRajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester.

Signature of Coordinator

Dr.T. SUBBURAJ ASP, Dept. of ISE

RRCE, Bangalore

Signature of HOL

External Viva-Voce

Dr.NEHA SINGHAL Prof. &HOD, Dept of ISE

RRCE, Bangalore

RADE

Signature of Principal

Dr.R.BALAKRISHNA Principal Prin

Name of the examiners:

, Dr. Chefhan. K.c

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled " ONLINE VOTING MANAGEMENT SYSTEM " carried out by PRAJWAL R (IRR20IS030), bonafide student of Rajarajeshwari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University. Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Dr. Subburaj T

Asst Prof., Dept. of ISE RRCE, Bangalore-74 21/01/2023

Signature of HOD

Dr. Neba Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74 PHS

Signature of Principal

Dr. Balakrishna R

Principal RADARNIRSWARI RIRCIRG STOP EN STINEERING Samohalli Cross, Bengaluru-7

Signature with date

External Viva

2 Dr. Chethan K.

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the mini project work entitled "HOME COVID BED SLOT BOOKING" carried out by

PRATWISH NAIK(1RR20IS031)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work

prescribed for the fifth semester

Sand

Signature of Guide

[Dr. Subburaj T]

Assistant Professor, Dept. Of ISE

RRCE, Bangalore

Professor & HC 93 Dept. of Information Science 42 Rajarajeswari Concernation Science 42 Ragaine 630074

Signature of HOD

[Dr.Neha Singhal]

Prof. & HOD, Dept. of ISE

RRCE, Bangalore

External Viva-Voce

Name of the examiners

Department of Information Science and Engineering



CERTIFICATE

This is to certify that the mini project entitled "FIFA 18 Player Management System" is a bona fide work carried out by PRERANA M R(1RR20IS032) a bona fide student of RAJARAJESHWARI College of Engineering, in partial Fulfillment for the award of degree of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the Report. The mini Project Report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of Coordinate

DR. T. SUBBURAJ Asst.Prof. Dept if ISE

RRCE, Bangalore

Signature of HOD

Dr.NEHA SINGHAL papt. Prof. & HOD; Dept of ISE Rejurat Bargana to.

RRCE, Bangalore

Signature of Principal

Dr.R.BALAKRISHNA Principal

RRCE, Bangalore RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA-VOCA

Name of the examiners:

2. Dr. Chethan K-C

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by RACHANA D SHETTY (IRR20IS033), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respectof project work prescribed for the said Degree.

23/01/23

Signature of Guide

Ms. Sinchana M N

Asst Prof., Dept. of ISE RRCE, Bangalore-74 3310/12023

Signature of HOD

Dr. Neha Singhal

Prof. and Head, Dept of ISE RRCE, Bangalore-74 Principal, RRCE, Bangalore-74

Signature of Principal

Dr. Balakrishna R

External Viva

Name of the examiners

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING.

CERTIFICATE

Certified that mini project work entitled

"ONLINE BLOOD BANK"

Carried out by

RASHIKA M (1RR20IS034)

The students of "RajaRajeswari College of Engineering" in partial fulfilment for the fifth semester of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the reportdeposited in the departmental library. The mini project report has been approved as it satisfies theacademic requirements in respect of mini project work prescribed for the fifth semester.

Frofester & HOD Depl. of Information Science & Eor3 Rajarejesvian Gollege er Brightan.

Signature of Guide

[Dr.T. SUBBURAJ]

Asst.Prof. Dept of ISE RRCE, Bengaluru Signature of HOD

[Dr.NEHA SINGHAL]

Prof &HOD Dept of ISE RRCE, Bengaluru

EXTERNAL VIVA-VOCE

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Signature of Principal

[Dr.R.BALAKRISHNA]

Principal RRCE, Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalii Cross, Bengaluru-74

Signature with Date

Well-

2. Dr. Chethan, K.c.

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI] (An ISO 9001:2008 Certified Institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CYBER CAFE MANAGEMENT SYSTEM" carried out by RAVI KUMAR N (IRR20IS035), bonafide students of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeswari College of Engineering, Bengaluru, in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CSL58 by Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Professor a mark of the set of the s

said Degree.

Signature of Coordinator Dr. T Subburaj Assistant Professor,ISE RRCE, Bangalore Signature of HOD Dr. Neha Singhal Head of Dept, ISE RRCE, Bangalore

Dept. of Information Science (Easter Rejarajeeungi Golf, Onf Engineering

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Signature of Principal Dr. R Balakrishna Principal RRCE, Bangalore

RAJARAJESWARI COLLEGE OF ENGINEERING

Signature of the Examiners with date MY M

External Viva

2. Dr. Chethan K.C.



KUMBALGODU MYSORE ROAD, BANGALORE-560074 (AN ISO 9001:2008 Certified Institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "Farmer Database Management System" carried out by MISS RIYA KUMARI, bona-fide student of "RAJARAJESHWARI COLLEGE OF ENGINEERING" in partial fulfilment for the fifth semester of BACHELORE OF ENGINEERING in INFORMATION SCIENCE AND ENGINEERING of the visvesvaraya Technological university, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assignment have been incorported in the report deposited in the department library. the mini project report has been approved as it satisfied the academic requirements in respect of mini project. 1202

Signature of Guide

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[Dr.SUBBURAJ.T]

Associate prof., Dept. of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

Dr. Chethan. Kc

SIGNATURE WITH DATE:

Signature of HOD Prolanger SHC Dept of [Dr.NEHASINGHAL]

Burgisloth -

HOD, Dept of ISE, RRCE

Rajarajosviteli

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VIVSVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVT] (An ISO 9001:2008 Certified Institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "CYBER CAFE MANAGEMENT SYSTEM" carried out by ROHANS (IRR201S037), bonafide students of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeswari College of Engineering, Bengaluru, in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CSL58 by Visvesvaraya

Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work

1202

prescribed for the said Degree.

Signature of Coordinator Dr. T Subburaj Assistant Professor, ISE RRCE, Bangalore Signature of HOD Dr. Neha Singhal Head of Dept, ISE RRCE, Bangalore

RAPES 20/11/23

Signature of Principal Dr. R. Balakrishna Principal RRCE, Bangalore Principal RAJARAJESWARI COLLEGE OF ENGINEEDING

External Viva

1. Disclockymer m. 2. Dr. Chefhan, K.c. Signature Broth Examinerswith date

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MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the mini project work entitled "HOME COVID BED SLOT BOOKING" carried out by

SACHETH N(1RR20IS038)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester

Signature of Guide

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[Dr. Subburaj T]

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Assistant Professor, Dept. Of ISE

RRCE, Bangalore

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Signature of HOD

Del [Dr.Neha Singhal]

Prof. & HOD, Dept. of ISE

RRCE, Bangalore

External Viva-Voce

2. Dr. Chethan K.C.

Signature with date 2. Legins

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project work entitled "ONLINE HOSPITAL MANAGEMENT SYSTEM" carried out by Mr. SAGAR D(1RR20IS039), Bonafede student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Pegree.

Signature of Co-Ordinator Dr. T SUBBRAJ Associate Professor, Dept of IS RRCE, Bangalore

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Signature of HOD Dr. NEHA SINGHAL HOD, Dept of ISE RRCE, Bangalore External Viva

Dept. of lefernation Sci Rejardjet vari College d

Dangalore - 180

Signature of Principal Dr. R.BAJ, AKRISHNA RAGRADESWARI COLLEGE, Babbabarening Ramohalli Cross, Bennaluru-7/

Signature with date

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Direct Stamore M Dr. Chefhan K.C.

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022 - 23)DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "ONLINE HOSPITAL MANAGEMENT SYSTEM" carried out by Mr. SATHWIK C B(1RR20IS040), Bonafede student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree. Professor 2 1

EA gin an ekag

Signature of Co-Ordinator Dr. T SUBBRAJ Associate Professor, Dept of IS RRCE, Bangalore

Rojarojeswati Galioga (Yel dia Bandulara Sudwis. Signature of HOD Dr. NEHA SINGHAL HOD, Dept of ISE **RRCE**, Bangalore External Viva

Dept of lefe tradien in the Ofen

Signature of Principal Dr. R.BALAKRISHNA

Рринины RECEATENISSING COLLEGE OF ENGINEERING

2 Page

Ramohalli Cross Signature with date

Real Champering , Dr. Chethan K.c.

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "EVENT MANAGEMENT SYSTEM carried out by. SINDHUP (IRR20IS041), bonafide student of RajaRajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Dr. Subburaj T Asst Prof., Dept. of ISE RRCE, Bangalore-74

Siguature of HOD

Dr. Neha Singhal Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

212

Signature of Principal

Dr. Balakrishna R Principal, RRCE, Bangalore-74

Signature with date

1. Dinellamers M Dr. Chethan K.c.

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2018-19)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "COURIER MANAGEMENT SYSTEM" carried out by SUPRAJA AV (1RR20IS042), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

ane N.N. 25 01 23

Signature of Guide

Ms. Sinchana M N Asst Prof., Dept. of ISE RRCE, Bangalore-74 Signature of HOD

External Viva

Dr. Neha Singhal Prof. and Head, Dept of ISE RRČE, Bangalore-74

RASS

Signature of Principal

Dr. Balakrishna R SE Principal, RRCE^{rigginal}alore-74 RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7d Signature with date

Vector

1. Direllamour 2 Dr. Chethan. K.e.

Kumbalgodu, Mysore Road, Bengalore-560074

[AFF II IATED TO VIVSVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI] (An 1SO 9001 2008 Centified Institute)



Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "DAM WATER CONTROL MANAGEMENT SYSTEM" carried out by THANUSH P (IRR2015043). bonafide student of 5th semester, department of Information Science & Engineering carried out at our college Rajarajeswari College of Engineering, Bengaluru, in partial fulfillment for the 5th Semester BE, DBMS Mini-Project-18CSL58 by Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of the Guide Dr. T Subburaj RRCE, Bangalore

210212023 Signature of HOD Dr. Neha Singhal Associate Professor, ISE _____ Head of the Dept., ISE ____ RRCE, Bangalore

Signature of the Principal Dr. R Balakrishna Principal, RRCE, Bangalore Principal RAJARAJESWARI COLLEGE OF ENGINEERING Samohalli Cross, Bernalura 7/

Signature of the Examiners with date Lumerim

External Viva

Name of the Examiners 1 M. Donces A. 2/2] Dr. Chethan K.c

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO 9001:2008 Certified Institute) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project work entitled "ONLINE HOSPITAL MANAGEMENT SYSTEM" carried out by Mr. VIJAY G(1RR20IS044), Bonafede student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Co-Ordinator Dr. T SUBBRAJ Associate Professor, Dept of IS RRCE, Bangalore

Name of the examiners

1 Divellenvor , Dr. Cheffran K.C.

Signature of HOD Dr. NEHA SINGHAL HOD, Dept of ISE RRCE, Bangalore External Viva

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STREET

Professor

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Dept. of less

Signature of Principal Dr. R.BALAKRISHNA Principal RAJARAJESWARI COLOGE CHARGE COLORERING

Ramohalli Cross, Sengaluru-7/

Signature with date

2 Page

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the mini project work entitled "HOME COVID BED SLOT BOOKING" carried out by

Y SRIDHAR(1RR20IS045)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the fifth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the fifth semester

Signature of Guide

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[Dr. Subburaj T]

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Assistant Professor, Dept. Of ISE

RRCE, Bangalore

01/2023 Signature of HOD

[Dr.Neha Singhal]

Prof. & HOD, Dept. of ISE

RRCE, Bangalore

External Viva-Voce

Name of the examiners

itemment in Dr. Chethan Ice

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RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled FOREST FIRE DETECTION AND WILD ANIMAL HEALTH MONITORING

Carried out by ANUSHREE K(1RR20IS400), SHRAVYA(1RR19IS037),NISCHITHA B(1RR18IS028), SPANDANA G(1RR19IS039). The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the

Eighth semester.

Signature of Guide Dr. R BAMAKRISHNA Ramphalli Cross, Der J, Juru 7/ Rajarajostean Gol RRCE 974.

Signature of HOD Dr. NEHA SINGHAL HOD, Prof, DEPT of ISE

Signature of Principal Dr. R BALAKRISHNA Principahi RAJARBOTSWARI COLLEGE OF ENGINEERING Pamohalli Cross, Deng-Latu-76

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Scanned with OKEN Scanner

Signature with date:

EXTERNAL VIVA -VOCE

Examiners: Ranjeet Kumar

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI] (An ISO 9001:2008 Certified Institute)



Department of Information Science & Engineering

CERTIFICATE

"IoT BASED SMART AGRICULTURE"

Carried out by

JNANASHREE S (IRR19IS011) MONISHA K G (IRR19IS016) NIDHIKSHA A (IRR19IS019) NISHCHITHA K N (IRR19IS022)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements is respect of project work

prescribed for the Eighth semester.

AMUTHARAJ, M.E. Ph.D., FIE Administration Vice Principal - Administrati RAJARAJESIgnature of the Guide NEERING Drol Amuthara Prof & Vice principal Dept. of ISE **RRCE**, Bangalore

Signature of the HOD Dr. Neta Singhal P. Prof. & HOD Dept. of ISE RRCE, Bangalore Rulard, Dept.

Signature of Principal Dr. R. Balakrishna Principal RRCE, Bangalore Principal

RAJARAJESWARI COLLEGE OF ENGINEERING Pamphalli Cross, Bengaluru-74

External Viva-Voce

Examiners

Raniest- Kumar

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(AnISO9001:2008CertifiedInstitute) (Affiliated to Visvesvaraya Technological University, Belagavi)



CERTIFICATE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Certified that the Project work entitled Bluetooth control wheel chair for physically challenged person carried out by Ms. MONIKA A, Ms. NITHYASHREE T and Mr. NIVAS GOWDA bonafide student of 8th semester, Department of Information Science & Engineering, carried out at our college Rajarajeswari College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The technical seminar report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide.

Dr. Neha Singhal Associate Prof & HeD Bept. of ISE RRCE, Bengaluru

Examiners:

Signature of HOD

Dr. Neha Singhal Associate Prof. & HOD Dept. of ISE RRCE, Bengaluru

External Viva-Voce

Signature of Principal

Dr. R. Balakrishna Principal RRCE, Brigglund RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

Kumbalgodu, Mysore Road, Baugalore- 560074 (An ISO Certified Institute, NAAC "A" Accredited) (2022 - 23)DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



project report entitled "REAL TIME DRIVER the Certified that DROWSINESS DETECTION USING MACHINE LEARNING" carried out by D(1RR19IS004),Balaji M (1RR19IS012), Naveen kumar Chandan DK(1RR19IS018), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhal Assoc Prof. & HOD A Bar Assoc Prof. and HOD, The Assoc Prof. Assoc Prof. and HOD, The Assoc Prof. Ass Dept. of ISE RRCE, Bangalore-74

06105 Signature of HOD Dr .Nebi Singhal HOD genten & Bett Dr. R Batikishna ReDept of ISE Auro and RRCE, Bangalore-74

202

External Viva

Name of the examiners

1. Ar J- Am Vonastang J 2. Ranject Kywer

Signature with date

Signature of Principal

PRIERPHERIDARI

COLEREEBANG

Ramohalli Cross, Bengalumi-74





KUMBALGODU, MYSORE ROAD, BENGALURU - 560074

(An ISO 9001:2008 Certified Institute)

2022-23

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled "IMPROVEMENT OF LEGITIMATE MAIL SERVER DETECTION METHOD USING SENDER AUTHENTICATION" carried out by, Mr. PRAJWAL H.M (IRR19IS027), Mr. PRAJWAL H.S (IRR19IS028), Mr. SACHIN R.M (IRR19IS033), Mr. SRINIVAS K (IRR18IS046) bonafide student of "RajaRajeswari College of Engineering" in partial fulfillment for the Eight semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The final year project report has been approved as it satisfies the academic requirements in respect of Final project work prescribed for the Eight semester.

Signature of Guide Mrs. T Rathi Devi Assistant Professor, Dept of ISE RRCE, BANGALORE

Signature of HOD Dr. Neha Singhal

Associate Prof. and Head, Dept of ISE RRCE, BANGALORE

Signature of Principal

Dr. R Balakrishna

Professil & Phicipal, RAJARAJESWARI COPENSE ANGINEERING Samercie: BANGAUDREJ-74

Signature

Examiners:

External Viva-Voce

1. Dr.J. Aronnankons 2. Ranjeet Kymas

MYSORE ROAD, BANGALORE 560074 (An ISO 9001:2008 Certified Institute)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the project work entitled

"REAL-TIME ANOMALY DETECTION USING VIDEO SURVEILLANCE SYSTEM FOR ENHANCING SECURITY"

Carried out by

DHAWALASHREE B K (1RR19IS008) ARPITHA G (1RR19IS003) SHREYAS M (1RR19IS038) VISHRANTH K H (1RR19IS044)

The students of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visveswaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature o

Examiners:

Signature of HOD

Dr J Amutharaj, M.E. Ph.D. FIE Dr. Neha Singhal Professor & Vice Principal Dr.J. AMSER HATISTS J. M.E., Ph.D., FIE. Professor & HOD, Dept. of ISE Vice Brincip Bangalore **RRCE**, Bangalore E OF ENGINEERING RAJARAJESWARI COLLEC BANGALORE - 560 074.

1. Dr.J. Arononana 1973 2. Ranjeet Kumor

External Viva-Voce

Signature of Principal

Dr. R Balakrishna

Professor & Principal, AJESWARI langalore ERING COL Liess, Dengaleru-74

Signature



[NBA & NAAC Accredited, Affiliated to VIU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "VIRTUAL STYLING ROOM USING LIVE VIDEO" is a bonafide work carried out by S.VISHNU SHARMA (IRR19IS032), ROHAN.H (IRR19IS030), SANJAI KUMAR.R (IRR19IS034) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Guide Signatureol

Mrs. Vijayalaxmi Joshi

Assistant Professor Department of ISE, RRCE, Bengaluru

Signature of the HQD.

Dr. NEHA SINGHAL Prof. & HOD, Department of ISE, RRCE, Bengaluru

Signature of the Principal

Dr. BALAKRISHNA

Prof. & Prizigigal, RECERCE OF ENGINEERING COLLEGE OF ENGINEERING Ramohalli Contraction Bengaluru-74

Name of the Examiners: 1. Dr.J. AmmanRAJ Ravijeet Kymar____ 2.

Signature with date: 22 5/2013

11

Kumbalgodu, Mysore Road, Bangalore- 560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project report entitled "Cervical Cancer Detection Using Deep Learning" carried out by NIVEDITHA V(1RR19IS025), SANJAY S(1RR19IS035)

SHALINI K(1RR19IS036) and SUMUKH K MURTHY (1RR19IS041) bonafide student of RajaRajeswari College of Engineering in partial fulfillment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Part thean

Signature of Guide Prof. Pavithra N Dept. of ISE

RRCE, Bangalore-74

Name of the examiners

120

Signature of HOD Dr. Neha Singhal Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Signature of Principal Dr. R Balakrishna Principal,

RRCE, Bangalore-74 RAJARAJESWARI COLLEGE OF ENGINEERING Samobulli Cross, Dengaluru-74

Signature with date 7115/23

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RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

It is hereby certified that the project work entitled "THE IMPLEMENTATION

AND DETECTION OF KEYLOGGERS IN A SYSTEM" is a bonafide work carried out by POORNIMA.R(IRR19IS026),BHAVANA.N(IRR18IS004) and SACHIN.M.RATHOD(IRR18IS040).In partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the Rajarajeswari College of Engineering during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Prof. Pavithra.N Asst. Professor, Dept. of ISE, RRCE, Bengaluru Signature of HOD

Dr. Nebri Singhal Dept of ISE, RRCE, Bengaluru

Signat@rhefpBrincipal RAJARAJESWARI CORE de Balakrishna CORE de Balakrishna Renoupal Ramonali Cossa depealuru-74

Viva-voce

Examiners: Cumes W



Signature:

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2022 - 23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "Children's Safety Monitoring System" carried out by NANDEESH D B (1RR19IS017),SUHAS H S (1RR19IS040), UJWAL SHETTY (IRR19IS042), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

chana, M.N. 4 5 22 Signature of Guide Prof. Sinchana M N Asst. Prof., Dept. of ISE

Signature of HOD Dr. Neba Singhal & gound. P Prof. and Head, Dept of ISE RRCE, Bangalore-74 Dept. of RRCE, Bangalore-74 ite gale income BURGHIN-

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Name of the examiners

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Signature of Principal Dr. R Balakrishna Principaltincipal RRGE, Bangesburgh 74 COLLEGE OF ENGINEERING "amobali Creat, Bengaluru-



Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "VIRTUAL MOUSE WITH VOICE ASSISTANCE" carried out by A.R SHALINI (IRR19IS001), ANANYA S SUVARNA (1RR19IS002), DARSHINI G(1RR19IS006) and NISCHITA L (1RR19IS021) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide Prof.Sinchana M N Asst. Prof., Dept. of ISE Bangalore-74

Signature of HOD Dr.Neha Signature Prof. and Head, Dept of ISE RRCE, Bangalore-74

Signature of Principal Dr.PH-Balakashaa COPUERGED F. ENROLE, ERING RamBiRCIEC BaagBlorga7dru-7

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Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2022-23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the project report entitled "VIRTUAL MOUSE WITH VOICE ASSISTANCE" carried out by A.R SHALINI (IRR19IS001), ANANYA S SUVARNA (IRR19IS002), DARSHINI G(IRR19IS006) and NISCHITA L (IRR19IS021) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Sinchana. N-N 12/5/23 Signature of Guide

Prof.Sinchana M N Asst. Prof., Dept. of ISE Bangalore-74

Star 32 05/2023

Signature of HOD Dr.Neha Singhal Prof. and Head, Dept of ISE RRCE, Bangalore-74 Signature of Principal

DF. R. Balinsvishila COLLEGE DELENKREERING Ramonal E. OBS. Banazing -74

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Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited) (2022 - 23)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



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Signature of Guide

Prof. Sinchana M N Asst. Prof., Dept. of ISE RRCE, Bangalore-74

Signature of HOD HOD

Dr. Neha Singhal cience & Enen De Prof. and Head, Dept of ISE earling Principal, RRCE, Bangalore 74 COLLEGE OF ENGINEE

External Viva

Name of the examiners

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Signature of Principal

Principal, RROB, Bangalore-7416

Dr. R Balakrishna

namohalli Cross, Bengaluru-7

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An 1SO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

It is hereby certified that the project work entitled "THE IMPLEMENTATION

AND DETECTION OF KEYLOGGERS IN A SYSTEM" is a bonafide work carried out by POORNIMA.R(IRR19IS026),BHAVANA.N(IRR18IS004) and SACHIN.M.RATHOD(IRR18IS040).In partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND ENGINEERING of the Rajarajeswari College of Engineering during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

Prof. Pavithra.N Asst. Professor, Dept. of ISE, RRCE, Bengaluru

Signature of HOD

Dr. Neha singhab D (Prof&HOD, School & Sange, Dept. of Deptionist, actional & Sange, RejardjeRRCE, Bengalury, Strain Dampetor, Strain

Principal Signature of Principal

COLLEGE OF ENGINEERING Dr. R. Balakrishna Ramphali Cross, Bengaluru-74 RRCE, Bengaluru

Viva-voce

Examiners: 1. sheepay 2 Develikuman

Signature:

Kumbalgodu, Mysore Road, Bangalore- 560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project report entitled "Cervical Cancer Detection Using Deep Learning" carried out by NIVEDITHA V(1RR19IS025), SANJAY S(1RR19IS035)

SHALINI K(IRR19IS036) and SUMUKH K MURTHY (IRR19IS041) bonafide student of RajaRajeswari College of Engineering in partial fulfillment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Hown

Signature of Guide Prof. Pavithra N Dept. of ISE RRCE, Bangalore-74

Signature of HOD Dr. Neha Singhal Prof. and Head, Dept of ISE RRCE, Bangalore-74

External Viva

Signification of Principal RAR Babalerishna COLLEGE Brinsigale ERING Ramoh RRCED Babgalorie (1474

Signature with date



INBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhij #14, Ramohalli Cross, Mysore Road, Kumhalagodu, Bengaluru-74

INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "VIRTUAL STYLING ROOM USING LIVE VIDEO" is a bonafide work carried out by S.VISHNU SHARMA (1RR19IS032), ROHAN.H (1RR19IS030), SANJAI KUMAR.R (1RR19IS034) in partial fulfilment for the award of Bachelor of Engineering in INFORMATION SCIENCE AND Engineering of the Visvesvaraya Technological University. Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Mrs. Vijavalaxmi Joshi

Assistant Professor Department of ISE, RRCE, Bengaluru

Name of the Examiners:

1. Br J. Armon ARMJ 2.

Signature of the HOD

Dr. NEHA SINGHAL To ALL DE MAL Profile HOD. Department of ISE " RRCE, Bengaluru Relater Blogs

Signature of the Principal

Dr. BALAKRISHNA

Prof. & Principal, E. Bengalunut COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

Signature with date:



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RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE 560074 (An ISO 9001:2008 Certified Institute)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the project work entitled

"REAL-TIME ANOMALY DETECTION USING VIDEO SURVEILLANCE SYSTEM FOR ENHANCING SECURITY"

Carried out by

DHAWALASHREE B K (1RR19IS008)

ARPITHA G	(1RR19IS003)
SHREYAS M	(1RR19IS038)
VISHRANTH K H	(1RR19IS044)

The students of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visveswaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

N Eginsa Dr.J. Aignature of Guide Ph.D. FIE. Signature of Principal Signature of I Vice Principal - Administration Dr. Nehn Singhal Dr. R Balakrishna RAJAR Penferson & Nice Principal, Professor & HOD, Professor & Windhal, Dept. of ISE Dept. of ISE DepRAJASE JESWARI CREASERSHIGHTERING RRCE, Bangalore RRCE, Bangalore Ramohalli Cross, Bengaluru-7/ External Viva-Voce Examiners: Signature 1. Dr.J. AmmanRAJ. 2. Ranjeet Kyman


RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU, MYSORE ROAD, BENGALURU - 560074

(An ISO 9001:2008 Certified Institute)

2022-23

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project work entitled "IMPROVEMENT OF LEGITIMATE MAIL SERVER DETECTION METHOD USING SENDER AUTHENTICATION" carried out by, Mr. PRAJWAL H.M (IRR19IS027), Mr. PRAJWAL H.S (IRR19IS028), Mr. SACHIN R.M (IRR19IS033), Mr. SRINIVAS K (IRR18IS046) bonafide student of "RajaRajeswari College of Engineering" in partial fulfillment for the Eight semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The final year project report has been approved as it satisfies the academic requirements in respect of Final project work prescribed for the Eight semester.

Signature of Guide Mrs. T Rathi Devi Assistant Professor, Dept of ISE RRCE, BANGALORE

Signature of HOD

Dr. Neha Singhal

Associate Prof. and Head, Dept of ISE

RRCE, BANGALORE

Signature ad Reinkipal COLLEGE OF ENGINEERING

lamohalli Cross, Bengaluru-74 Professor & Principal,

Dept. of ISE

Signature

RRCE, BANGALORE

Examiners:

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External Viva-Voce

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RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC 'A+' Accredited)

(2022 - 23)DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that the project report entitled "CORONARY ARTERY DISEASE DETECTIONBASED ON ECG USING MACHINE LEARNING APPROACH" carried out by DEEKSHITHA M (1RR19IS007), NIKITHA S DESHPANDE (1RR19IS020), RAMYA B (1RR19IS029), S INDIRA PRIYADARSHINI(1RR19IS031) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of

Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide

RRCE, Bangalore

Signature of HOD is Asst. Prof., Dept. of ISE Dept. of Dr. Neha Singhal Profestind Head, Dept of ISE RRCE, Bangalore

External Viva

Name of the examiners

Dr.J. AronoBARG Rangeet

Signature of Principal Dry R. Balakrishna COLLECTION RRCE Bangalore aing amonaili Cross, Bengaluru-7.

Signature with date



RAJARAJESWARI COLLEGE OF ENGINEERING

Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC "A" Accredited) (2022 - 23)DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

that Certified the project report entitled "REAL TIME DRIVER DROWSINESS DETECTION USING MACHINE LEARNING" carried out by D(IRR19IS004),Balaji Chandan M (IRR19IS012), Naveen kumar DK(1RR19IS018), bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhat Assoc Prof. & HOD Dept. of ISE Dept. of ISE Dept. of ISE CONTRACTOR Dept RRCE, Bangalore 74

6105/2023 Signature of HOD

Dr .Neha Singhal & HOD Dr. R Balliforishna Dept of ISE CONTRACTOR CONTRACTOR RECE Bungalore -74 Ramohalli Cross, Bengaluru-7

External Viva

Name of the examiners

Signature with date

Signature of Principal

Ramohalli Cross, Bengaluru-74

1. Dr.J. Aronomonon -

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (AnISO9001:2008CertifiedInstitute) (Affiliated to Visvesvaraya Technological University, Belagavi)



CERTIFICATE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Certified that the Project work entitled Bluetooth control wheel chair for physically challenged person carried out by Ms. MONIKA A, Ms. NITHYASHREE T and Mr. NIVAS GOWDA bonafide student of 8th semester, Department of Information Science & Engineering, carried out at our college Rajarajeswari College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The technical seminar report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide Dr. Neha Singhal Associate Prof & HoD

Dept. of ISE, RRCE, Bengaluru Signature of HOD Dr. Neha Singhal Associate Prof. & HOD Dept. of ISE, RRCE, Bengaluru

External Viva-Voce

Signature of Principal

Dr. R. Balakrishna Principal RRCH?ditedgaluru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

Examiners:



RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bengalore-560074

[AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVT] (An ISO 9001:2008 Certified Institute)



Department of Information Science & Engineering

CERTIFICATE

"IoT BASED SMART AGRICULTURE"

Carried out by JNANASHREE S (IRR19IS011) MONISHA K G (IRR19IS016) NIDHIKSHA A (IRR19IS019) NISHCHITHA K N (IRR19IS022)

The students of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements is respect of project work

prescribed for the Eighth semester. Dr.J. AMUTHARAJ, M.E. Ph.D. FLE2 Vice Principal - Administration RAJARAJESTVARI COLLEGE DE ENGINEERING Signature of the HOD 2 Signature of Principal BAR Dr. J Amutharaj of a state of Dr. R. Balakrishna Dr. Neha Singhal Prof. & HOD Repair Dept. of ISB3 - 660 074. RRCE, Bangalore Principal Prof & Vice principal RRCE, Bangalore Dept. of ISE Principal RRCE, Bangalore RAJARAJESWARI COLLEGE OF ENGINEERING External Viva-Voce Namohalli Cross, Bengaluru-7 Examiners ADVOLARIAN Ranjeet Kymas



RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute) (2022-2023) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled FOREST FIRE DETECTION AND WILD ANIMAL HEALTH MONITORING

Carried out by ANUSHREE K(1RR20IS400), SHRAVYA(1RR19IS037),NISCHITHA B(1RR18IS028), SPANDANA G(1RR19IS039). The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of Guide Dr. R BALAKRISHNA PHILEIPA RAJARRICE COLLEGE OF EMSINEERING

Ramohalli Cross, Bengeluru-7/

Signature of HOD Dr. NEHA SINGHAL HOD, Prof. DEPT of ISE Dept. of Informatik RCE losses & Essa-Dept. of Informatik RCE losses & Essa-Rejarajesseri College of Carginsering Rejarajesseri College of Carginsering Rejarajesseri College of Carginsering

Signature of Principal Dr. R BALAKRISHNA Princißähcipai RRUBAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bencaluru-7

EXTERNAL VIVA -VOCE

Examiners:

1. Dr.J. Ammanapaj 2. Ranjeet Kumar -

Signature with date:



RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING VIII SEMESTER INTERNSHIP ACADAMIC YEAR- MAY 2022- 23

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Professor & 1100 Dept. of Electrical & Electronics.Enes Rajaraje: wark College Of Engineering Bengalura-74



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (C.L.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048. Website: https://kptcl.karnataka.gov.in mentioner No. : 080-28540666

Email Address: admnhrdckptcl@gmail.com

MER KPTCL/HRDC/B-75/35590/2022-23 661 Date: 7 5 NOV 2022

The Principal, Regenziestwari College of Engineering, Bengalary.

Se.

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Completion of Internship training on "Study of Substation and its Sub: Equipments" - Reg.

Ref: 1.

Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/ 1052-54 Dated: 05.09.2022.

2. Form "A" Certificate Dated: 09.11.2022.

Wide letter cited under ref (1), approval was accorded to Dhanush Kumar. B., USN No: TREASEE005, pursuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering, Bengaluru to do Internship training on "Study of Substation and its Equipments" under the guidance of Smt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Rajajinagar, Bengaluru.

Smt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Reagingar, Bengaluru has certified (vide ref-2) that the student has successfully completed the memship training from 06.09.2022 to 06.10.2022.

Yours faithfully,

Administrator, HRDC, KPTCL

Kaulo

Copy to:

- The Concerned student.
- AEE-4 / MF / OC.



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (C.I.N.: U401096A10998GC025821 Human Restource Development Centry, Whitefield read, Hendy, Ber Telephone No. 0400-28840000

NIL KPTCL/HRDC/H-75/16400-2072 21	Emplit Allipsis admitted (perti produces)
To. The Principal. Rajurajeshwari College of Engineering Bangabore.	Date: 1 6 DEC 2022

Sub Completion of Internship training on "Testing and Protection of Relays and other Electrical Equipments" in KPTCL" - Rep. Ref. Approval Lener No. KUTCL, HRDC: B-75, 13580, 22-23-883-85 David 26.08 2022 2. Form "A" Convilcing Dated. 61 #2 2072.

Vide fetter cited under ref.(1), approval was accorded to Abrie Nedra J, USN No. (BR190100) pursuing B.F. in Electrical and Electronics Engineering at Rajarzychisco's College of Engineering. Bangalory to do Intermitop training on "Testing and Protection of Relays and other Electrical Equipments" under me guidasce of Sri Paramesh M K, Amintant Executive Engineentlier, BT North Drymann, KPTCL, Rasannagar, Ilangadore,

Sri Paramesh M.K. Autistant Executive Engineer(Elex, RT North Division: KPTCL, Rainjuragar, Basigative hall has certified (vide ref-2) that the student has incorrectivity completed the Interminip training from 01 0% 2022 to 30 00 2022

Yours faithfirily.

V MW Administrator. HRDC, KPTCL

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1. The Concerned student.

2 AEE-4 / MF / OC:AEE-4 / MF / OC

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (C.L.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bengalura-550048. Telephone Na. 080-2856066 Website: https://kpicl.karnataka.gov.ta

No: KPTCL/HRDC/B-75/35590/2022-23/1661

Date: 2 5 NOV 2022

To.

The Principal,

Rajarajeshwari College of Engineering, Bengaluru,

Sir.

- Sub: Completion of Internship training on "Study of Substation and its Equipments" - Reg.
- Ref. 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/ 1052-54 Dated: 05.09.2022.
 - Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to Akush, H. Y., USN No: 1RR19EE002. pursuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering. Bengaluru to do Internship training on "Study of Substation and its Equipments" under the guidance of Smt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Rajajinagar, Bengaluru.

Smt. Aruna Kulkarui, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Rajajinagar, Bengaluru has certified (vide ref-2) that the student has successfully completed the Internship training from 06.09/2022 to 06.10/2022.

Yours faithfully,

Administrator, HRDC, KPTCL वित्र 2017 मंग्रेशियमं क्रेज्यु 2015मं हेरव्यु जी वित्र अनुसंधान व अभिकल्प केन्द्र व्यु ग्रानेश्वरू अभिकल्प काल्लेका व्यु ग्रानेश्वरू अभिकल्प काल्लेका व्यु ग्रानेश्वर किमिटेड



ROTARY WING RESEARCH & DESIGN CENTRE DESIGN COMPLEX HINDUSTAN AERONAUTICS LIMITED Sengalars - SHO (17, Hole Clarciants / (PHIN) Ph. 2 91 - NO - 2232 3149

91 - 80 - 2231 1284

- Bert / Fax: 91 - 80 - 2231 1747

HAL/DC/RWRDC/HR/INTRNSHP/ 13 20/2022

21" October, 2022

www.hal-india.co.in

CERTIFICATE

This is to certify that Ms. Akshatha D A (IRR19EE003), student of B E(Electrical & Electronics Engineering), Rajarajeswari College of Engineering, Bangalore has undergone Internship on No-pay-No-fee basis from 17.09.2022 to 17.10.2022 at Aerodynamics, Design & Drawing Department, Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bengalore.

 Her Conduct, Behaviour, Punctuality and Progress in Training "Very Good" was as rated by the Department Head during her training period with us.

SENIOR MANAGER [HR]

Ms. Akshatha D A (1RR19EE003) B.E (Electrical & Electronics Engineering) Rajarajeswari College of Engineering Bangalore.



รื่องระสมสา 15/1, कार्यन रहे, चंडर्ड्स करे, चंडर्ड्स करे, प्रावड पंजीकृत कार्यालय : 15/1, कार्यन रोड, बॅगलूरु - 560 001, मारश Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India २ च कडर/ सी आई एन / CIN: L35301KA1963GOR001622 फ / ई/ E: hr.wvdc@hal-india.co.in



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048. Telephone No. 080-28540666 Website: https://kptel.kurnataka.gov.in

		Email Address: admnhrdckptcl/agmail.com
No: KPTCL/HRDC/B-75/35590/2022-23	1786	Date: 1 6 DEC 2022

To, The Principal, Rajarajeshwari College of Engineering. Bangalore.

Sir.

- Sub: Completion of Internship training on "Testing and Protection of Relays and other Electrical Equipments" in KPTCL" Reg.
- Ref: 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/883-85 Dated: 26.08.2022.
 - Form "A" Certificate Dated: 01.12.2022.

Vide letter cited under ref (1), approval was accorded to Anusha S G, USN No: IRR19EE004 pursuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering, Hangalore to do Internship training on "Testing and Protection of Relays and other Electrical Equipments" under the guidance of Sri Paramesh M K, Assistant Executive Engineer(Ele), RT North Division, KPTCL, Rajajinagar, Bangalore.

Sri Paramesh M K, Assistant Executive Engineer(Ele), RT North Division, KPTCL, Rajajinagar, Bangalore halli has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022.

Yours faithfully.

Scarred with Carriscance

Administrator, o HRDC, KPTCL

CERTIFICATE

OF COMPLETION

We present this certificate to EHOD HIMA . 3

appreciation of your successful work as an intern at

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Embedded Systems

The Internship was conducted between

For ONCHIP TECHNOLOGIES

Musica FV Human Resources Official Technologies -----

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INTERSHIP CERTIFICATE



REPATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999517C025521

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- Completion of Improhip motory on "Study of Salutation and its Sec. Louperpassents" in KPTCL
- - Appended Letter No. KPTCL/ HHDC/ B-75/ 35590/ 22-25/1046-48 1. Approximation of the 2023
 - Ecent "A" Certificate Dated: 24.04.2023.

While former entrol souther rol () a approval were accounted to Chandan K.J. UNN No. SERLUFFERING. meaning in F. ar Electrical and Construction Engineering at State Raje-bound College of Engineering. measures as the Internation training on "Study of Substation and its Equipments" order the of Next Aniths Devistag, Associant Encodive Engineer(Ele), 270 kV, NRS devision, KPTCL, semantaria, Bassgulowe

must Amitha Dewarup, Amistant Electrice Engineer(Elec. 220 kV, SiRS dynamics, S.PTCL, manyors, thorogalous, has contribut could red 21 that the student has autometholy completed the mentioning training from 166.099.2822 to 06.10.2022

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Yousey faithfully.

MAY 7

ka hout Administration. HRDC. KPICL

DIGIADD Technologies

Certificate of Completion

CHANNE GONDA K

A student of <u>RATARATESHWARI</u> COLLEGE OF <u>FOIGINEER</u>ING Bearing USN No: <u>IRRIGEE008</u> has successfully completed internship on Domain <u>EMBEDDED SySTEMS & TOTFION</u> <u>2408</u> 0000 TO <u>1709</u> 0000

> We found him/ber sincere, hardworking, dedicated and result oriented. We wish all the best for his/her future Endeavour.

CERTIFICATE

OF COMPLETION

We present this certificate to KUNDR MADIRANTARN.

appreciation of your successful work as an intern at

Embedded Systems

The internship was conducted between

7 September 22 and 7 october 2023

Muriladhar K V Human Resources ONCHIP Technologies

TECHNOLOGIES

For ONCHIP.

INTERSHIP CERTIFICATE

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INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. likith.

has completed internship on Embedded Lystem & IOT (IOT Based Five Alarm Lysten)

from_05 09 2022 to_05 00 2022 successfully.

We wish this intern all the best for future endeavours.

For Inventeron Technologies And Business Solutions LLP el el Managing Director

Managing Director









www.inventeron.com







KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (CLN), Complex A19995 GC025531

Hamart Rassenror Development Comm. Writefield rend, Hoody, therpalora 200218. Telephone No. 1999 255 man. Wedenro Arrps://kprd.karwateka.gov.in

N= KPTCUIBRIN 38-75.35896/2622-23

Use Processel. Rejarapedes are College of Engineering. Bangalore

> Completion of Interesting tenning on "Testing and Protection of Ralays and other Electrical Equipments" in KPTCL - Erg

Full J. Approval Lamer No. KPTCL / HRDG/ B-79 385968 22-21-883-85 Danak Do 08.2022.

2. Form "A" Cartificate Dated 01.12.2022.

Vide Inter-cruel under ref (1), approval you accorded to N Loshanjali, USN No: BBR19EE015 pursoing R.F. in Electrical and Electronics Engineering it Bajarqueshwari College of Engineering, Bongalore to do Enerothyl Italifug on "Testing and Protoction of Relays and other Electrical Equipments" under the guidance of Sri Paramech M K. Assistant Electrice Engineer(Elec. 87 North Division, K.PTCL, Rajajinagar, Bangalore.

Set Parameth M K, Assistant Executive Engineer(File), RT North Division, KPTCL, Rajajinagar, Dangalore halli has certified (vide ref-2) that the mident has movementally completed the Internship training from 01.09 2022 to 30.09 2022.

Yours taithfully...

Kanad Address admithed-Spiritermollands

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UNNEL 14 Administrator. HRDC, KPTCL

Citry Mr.

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L. The Concerned student.

2 AEE-4/ME/OCAEE-4/MF/OC.

VI.



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED (wholly owned Government of Karnataka Undertaking)

Ma. BESCOM/GRAMBL/DOM/HED/BC-40/2022 23/ 4.26 - 29 Corporate Office, HED Center, East East Terescent Towers, Crescent Read, 1* Poor, Bargalore.

Crescent Towers, Crescent Rand, 1* Ploor, Hangalore, PH - 080-22356756 E-Mat V: denified workfilmind.com Date: 23.02 2022

To,

The Professor and Head, Department of Electrical and Electronics Engineering, RajaRajeswari College of Engineering, Kumbalagodu, Mysore Road, Bengaluru-560074

Bir/Madam,

Sub: Completion of Internahip by Ma. Neha Raj V.G., 79 Sem, B.EJEAEJ-Reg.

 Befi 1. The Professor & HOD, Dept. of Electronical & Electronics Engineering, RajaRajeswart College of Engineering, Bangalore letter no.: RRCE/EEE/15/2022-23/02 date: 19.08.2022
This Office OM No.: BESCOM/OM (AMR) DGM/HRD/BC-40/2022-23/97, dated: 23.08.2022.

With reference to the above, Ms. Neha Raj V.G. (Reg.No.1RE1VEED16) student of RajaRajeswart College of Engineering, Kumhalagedu, Bengshuru, purmaing her degree Bachelor of Engineering in Electrical and Electronics Engineering in T^a Semester has carried out her internahip on "STUDY ON POWER DISTRIBUTION AND MAINTENANCE AT BESCOM" for the period from 24.08.2022 to 22.09.2022 at Jayanagurs Division, DESCOM under the guidance of Sri Channalorshuvu Engineerifilej.

One onpy of the completed internship work report is submitted to this office.

Yours Faithfully

24 5413 (N. Savitha)

Deputy General Manager (He.), HRDC, BESCOM

Copy tat

- 1) The General Manager (AddHR), Corporate Office, BESCOM, Bengaluru for kind information
- 2) The Executive Engineer (Ele.), G6M Japanagara Division, BEDCOM, Bangalove.
- 3) Concerned Student
- 4) MF/OC

अधिव विलाग प्रविद्यालय वास्त्रेका वेस्ट्र वित्र अनुसंधान व अभिकल्प केम्ट्र व्या प्रवेशापा / अभिकल्प कास्त्रेका व्याप्त प्रदेशापा / अभिकल्प कास्त्रेका व्याप्त प्रदेशापित्वस विभिन्निष्ठ व्याप्त - व्याप्त विभिन्निष्ठ व्याप्त - व्याप्त - व्याप्त - विभूष - 560,017, भाष क ्रोक्स / Fax : 97 - 80 - 2231 1747



ROTARY WING RESEARCH & DESIGN CENTHE DESIGN COMPLEX HINDUSTAN AERONAUTICS LIMITED Brighture 560 017, 546a CLACIDEC / QPOR (Ph. 1 91 - 60 - 2232 3149 91-00 - 2231 1264

HAL/DC/RWRDC/HR/INTRNSHP/ 13 19 /2022

21" October, 2022

CERTIFICATE

This is to certify that Ms. Nivedha D(1RR19EE017), student of B.E(Electrical & Electronics Engineering), Rajarajeswari College of Engineering, Bangalore has undergone Internship on No-pay-No-fee basis from 17.09.2022 to 17.10.2022 at Aerodynamics, Design & Drawing Department, Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bengalore.

 Her Conduct, Behaviour, Punctuality and Progress in Training "Very Good" was as rated by the Department Head during her training period with us.

> (U SUDHAKAR) SENIOR MANAGER (HR)

Ms. Nivedha D(1RR19EE017) B.E (Electrical & Electronics Engineering) Rajarajeswari College of Engineering Bangalore.

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048. membrane No. | 080-28540666 Website: https://kptcl.karnataka.gov.in

Email Address admahrdckptck@gmail.com

SE KPTCL/HRDC/B-75/35590/2022-23/166 | Tet.

Date: 2 5 NUY LULL

The Principal, Raiarajeshwari College of Engineering. Bengalury.

Sec.

Completion of Internship training on "Study of Substation and its Sub: Equipments" - Reg.

- Ref: Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/ 1052-54 Dated: 05.09.2022.
 - Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to USN No: 1RR19EE018 mersuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering, Bengaluru to do Internship training on "Study of Substation and its Equipments" under the guidance Smt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, ×. Raininagar, Bengaluru.

Smt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Raisinagar, Bengaluru has certified (vide ref-2) that the student has successfully completed the imenship training from 06.09.2022 to 06.10.2022.

Yours faithfully,

Kaulehallon Administrator. HRDC, KPTCL

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (CLN): Untrov6 (1990) 54, 025521

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To. The Principal, Rajarapshwari College of Engineering Bangalore.

Sit.

Sub: Completion of Internilop training on "Testing and Protection of Relays and other Electrical Equipments" in KPTCL - Reg.

- Ref. J. Approval Lema No. KP1841 (BR18) 10.75 (15500) 22-23/00/105 Dated 26/08/2022
 - 2. Loon "A" Configne Durat 01.12 2022

Vide letter ened under set (1), apposed was accorded to Prom Sugar's USN Not IRR19EE021 pursuing 0.1, or Electrical and Electronics Engineering at Rajarajeshwari College of Engineering, Rangalore to do Internolog training on "Testing and Protection of Relays and other Electrical Equipments" under the guidance of Sri Paramesh M K, Avordan Electrice Engineerillies, RT North Division, KPTCL, Rajaninagar, Bangalore

Sri Paramesh M K, Associant Executive Engineer(Ele), RJ North Division, KPTCL, Rataginague, Bangalore halls has certified (vide 101-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022.

Yours faithfully,

VA MA Administrator, 1 HRDC, KPTCL

Copy to:

- 1. The Concerned student
- 2. AEE-4 ME/OC AEE-4/ME/OC.

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Internship training from 01.19	to 2022 to 30.09 2022. The studies will schedl the says of the report
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048, Telephone No. | 080-28540666 Website: https://kptel.karnataka.gov.in

No: KPTCL/HRDC/B-75/35590/2022-23

To. The Principal, Rajarajeshwari College of Engineering, Bangalore.

Sir,

- Sub: Completion of Internship training on "Testing and Protection of Relays and other Electrical Equipments" in KPTCL" Reg.
- Ref: 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/883-85 Dated: 26.08.2022.
 - 2. Form "A" Certificate Dated: 01.12.2022.

Vide letter cited under ref (1), approval was accorded to Shambhavi M N, USN No: 1RR19EE024 pursuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering. Bangalore to do Internship training on "Testing and Protection of Relays and other Electrical Equipments" under the guidance of Sri Paramesh M K, Assistant Executive Engineer(Ele), RT North Division, KPTCL, Rajajinagar, Bangalore.

Sri Paramesh M K, Assistant Executive Engineer(Ele), RT North Division, KPTCL, Rajajinagar, Bangalore halli has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022.

Yours faithfully,

Administrator, HRDC, KPTCL

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ROTARY WING RESEARCH & DESIGN CENTRE DESIGN COMPLEX HINDUSTAN AERONAUTICS LIMITED Bongalusis - 560 017, India ELACERIER / 2010/ 196, 1 91 - 80 - 2232 3149 91 - 80 - 2231 1284

-REDCOL, GLG3 / RH2P - 560 017, west

=AL/DC/RWRDC/HR/INTRNSHP/ 11/2022

21¹¹ October, 2022

www.hal-india.co.in

CERTIFICATE

This is to certify that Mr. Sree Hari K (IRR19EE026), student of B.E(Electrical & Electronics Engineering), Rajarajeswari College of Engineering, Bangalore has undergone Internship on No-pay-No-fee basis from 17.09.2022 to 17.10.2022 at Aerodynamics, Design & Drawing Department, Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bengalore.

 His Conduct, Behaviour, Punctuality and Progress in Training "Very Good" was as rated by the Department Head during his training period with us.

> U SUDHAKARI SENIOR MANAGER (HR)

Mr. Sree Hari K (1RR19EE026) B.E (Electrical & Electronics Engineering) Rajarajeswari College of Engineering Bangalore.



ನೋಂದಾಯತ ಕಚೇರಿ : ೧೫/೧, ಕಬ್ಬಕ್ ರಕ್ತೆ, ಬೆಂಗಳೂಡು-೫೬೦೦೦೧, ಭಾರತ पंजीकृत कार्यालय : 15/1, कब्बन तेंड, बेंगलून - 560.001, भारत Registered Office : 15/1, Cubbon Road, Bengaluru - 560.001, India ೩ ಜ ಎನ್/ सी आई एन / CIN:L35301KA1963GOI001622 ಇ/ ई/ E: hr.wrdc@hal-india.co.in

TABLE OF CONTRACT



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED Corporate Identification Number (CLN:: U40109KA1909SGC025521

Corporate Identification Number (C.L.N.) County, Rengthen, 100045. Historie Resource Development County, Whenfacts and, Michael, Rengthen, 100045.

N= KPICL/HHIR M. TAUMANO 2422-23 [166]

Tel

The Principal.

Repairshoon College of Engineering. Rengalarse.

Sec.

- Soli: Completion of Internality making on "Study of Substation and its Equipments" -Reg. Ref. 1. Approval Letter No. RPTCL/ HRDC/ 0-75/ 18890/ 22-23/ 1052-54
 - Dured: 05.09.2022.
 - 7. Form "A" Certificate Dated: 198.11.2022.

Vide latter cited under set (1), approval was accertain to Subas, B., USN Nu: HER19EE027, pursoing R.E. in Electrical and Electronics Engineering at Repargeotherati College of Engineering, hongeiture to do Internitip training on "Study of Substation and its Equipments" under the guidance of Smt. Aruna Kulkaruk, Assistant Executive EngineeriEles, 2208V NRS Division, KPTCL, Rajoinagar, Hongaluro.

Sent. Aruna Kutkarni, Amintant Executive Engineen(Ele), 220kV NRS Division, KPTCL, Romanager, Bengalura has certified (vide ref-3) that the student has successfully completed the internship training from 06,09,2022 to 06,10,2022.

Yours faithfully.

Date: 7 S

Kanet and leave Administrator. HRDC, KPTC

The Concernad student, AEC-4 / ME / OC ात्मा व्यवस्थित व अभिकल्प केन्द्र स्वतं के अनुसंदान व अभिकल्प केन्द्र स्वतं प्रतान (अधिकल्प कल्प्लेपत स्वतं प्रतान (अधिकल्प कल्प्लेपत स्वतं क्रिसिटेस स्वतं (अपनि कल्प्र) (अपन - 160,017, प्रान

more - Fax : 91 - 80 - 2231 1747



NOTARY WING RESEARCH & DESIGN CENTRE DESIGN COMPLEX HUNDUSTAN AERONAUTICS LIMITED European 300017, https://www.intec. dlacemit2.reprint.phi: 91-60-2232.3149 91-80-2231.1254

-AL/DC/RWRDC/HR/INTRNSHP/ 131g /2022

21st October, 2022

www.highindlateollin

CERTIFICATE

This is to certify that Ms. Suvarna P U (1RR19EE028), student of B.E(Electrical & Electronics Engineering), Rajarajeswari College of Engineering, Bangalore has undergone Internship on No-pay-No-fee basis from 17.09.2022 to 17.10.2022 at Aerodynamics, Design & Drawing Department, Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bengalore.

 Her Conduct, Behaviour, Punctuality and Progress in Training "Very Good" mas as rated by the Department Head during her training period with us.

(U SUDH/ SENIOR MANAGER (HR)

Ms. Suvarna P U (1RR19EE028) B.E (Electrical & Electronics Engineering) Rajarajeswari College of Engineering Bangalore.



र्देअशक्तकार्थ्य हाउँछ : २२४/२, हयूहर्ग चर्डु, वेदगरसक्त-अ६००००, क्रावड पंजीकृत कार्यालय : १९७१, कव्यन रोह, बेंगलूह - ५६० ००१, भारत Registered Office : १५/१, Cubbon Road, Bengaluru - ५६० ००१, India

치 고 소전 / सी आई एन / CINil,35301KA1963GO1001622 도가 분기 E : horwede@hal-india.co.in



Certificate of Completion

VADITYA VAMSI

A student of RAJARATESHMARI COLLEGE OF ENGLOBERING Bearing USN No. IRRIGEED29 has successfully completed internable on Domain EMBEDDED SYSTEMSSIOT From 24 08 2022 TO 12 09 2002

> We found him/wer-sincere, hardworking, dedicated and result oriented. We wish all the best for his/Ner future Endeavour.

> > 111



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521 Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048.

Telephone No. : 080-28540666 Website: https://kptcl.karnataka.gov.in Email Address: admahrdckptckirgmail.com

No: KPTCL/HRDC/8-75/35590/2022-23/166/

Date: 2 5 NUY LULL

Te.

The Principal, Rajarajoshwari College of Engineering, Bengaluru.

Sir.

Sub: Completion of Internship training on "Study of Substation and its Equipments" - Reg.

Ref. 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/ 1052-54 Dated: 05.09/2022.

2. Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to Valbhav, S., USN No: 1RR19EE036, pursuing B.E. in Electrical and Electronics Engineering at Rajarajeshwari College of Engineering, Bengahara to do Internship training on "Study of Substation and its Equipments" under the guidance of Sunt. Aruna Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Rajajinagar, Bengalura.

Sent. Areau Kulkarni, Assistant Executive Engineer(Ele), 220kV NRS Division, KPTCL, Rajajinagar, Bengaluru has certified (vide ref-2) that the student has successfully completed the Intenship training from 06.09.2022 to 06.10.2022.

Yours faithfully,

Raulthan war Administrator. HRDC, KPTCL
	ATTIN	
KARNATAKA POWER TR	PANCAMPUTATE	
Corporate Identification	Number (C.I.N): United a transfer of the	
Tringhour No. 080 2854000	of County, Whotefield road, Hoody, Bengalara-Solician,	
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in KPTCL" - Reg	a second or management of designations -	
David, 24.08.202	22.	
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Visite latture writed tander ref. (3), append	real was accorded to Yashas, S.M. USN No. HERIOFFICIA	
The second secon	or Engineering at Raja Rajannaari College of Engineering.	
sending of Said Smiths U. American I	"Study of Substation Equipments in KPTCL" under the	
Summagura, Rangalore	second Engineeriller, 220 KV. NRS division_KPTCL	
Next Smiths U., Annihum Com	Autris Engineerities, 224 kV, NWS, dollars, and	
Anterrogica, Bargalow, has corridied (in	ade ref 21 that the student has successfully completed the	
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	Yours Faithfully	
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Bangalore Electricity Supply Company Limited

radially owned Government of Karnataka undertaking)

Office of the . Executive Engineer, (E.h., 2 C. OKM, Expansion Devision, 25th Main, 27th Cross, BSK II Stage, B long - 20 Date: **2**, **3**, Ar B, 2020

The Deputy General Manager, HRD Centre,Cresent Towers, Cresent Road, Ist Floor, Near Race Coarce, Bengaluru - 560001.

> Sub: Project report of Kum.Yathisb Gowda.H., Kum.Sanjay Yadav.N., Kum.Tejaswini R.T., & Kum.Uttam.M - reg

Ref: HESCOM/GM(A&HRD)/AGM/HRD/HC-40/22-23/118(A)/09.09/2022

With reference to the above, I am berewith submitting the project report of Kum-Yathish Gouda H., Kum-Sonjoy Yadav N., Kum Tojasovini R.T., & Kum-Uttain M., who have completed the Interenship training from 12:09:2022 to 07:30:2022.

Yours faithfully.

TEarcutore Engineer Eles) Javamagar Division . Battgalowr

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INTERNSHIP CERTIFICATE

St. Who was to star who as the

Bangalore Electricity Supply Company Limited Induity durined Government of Karaulaka undertaking)

Sec. EET. JD: AEE(O) JE-1/22-23 [C.]. East: Project centl E-mail: consult norkational.com Phy. East: 26711400 Office of the . Executive Engineer, (File.) C. O&M. Jayanagar Devision, 21th Main, 27th Cruis, BSK II Stage, IFlore - 70, Date: **2** 3 APR 2023

The Deputy General Manager, HED Centre, Cresent Towers, Cresent Road, 1st Phor, Near Roce Cource, Bengahara – 560001.

VI

Sub: Project report of Kum.Yathish Gowda.H., Kum.Sanjay Yadav.N., Kum.Tejaswini R.T., & Kum.Uttam.M -reg.

Ref: BESCOM/GMLA&HRD}/AGM/HRD/BC-40/22-23/118(A)/09.09.2022.

With reference to the above, I am herewith submitting the project report of Kum Yathish Gowda H., Kum Sanjay Yadav N., Kum Tejaswini R.T., & Kum Utnam M., who have completed the Interenship training from 12.09.2022 to 07.10.2022.

٩,

Yours faithfully,

VExecutive Engineer Elect., Jayanagar Division., Bangalore

INTERNSHIP CERTIFICATE

Bangalore Electricity Supply Company Limited

(acholly surned Covernment of Karnadaka undertaking)

NELTE 3D ALTION JE-1/22-23/ 64 Earth Project report E-mail: cessuith workal gmail.com Ph Fax: 26711400

ONLINE OF the Executive Engineer, (Ele..) C. O&M, Jayanagar Division, 23rd Main, 27th Cross. BSK II Stage, B'lore - 70 Date: 2 9 APR 2023

The Deputy General Manager, HRD Centre, Cresent Towers, Cresent Road, 1st Floor, Near Race Cource. Bengaluru - 560001.

VI

Sub: Project report of Kum.Yathish Gowda.H., Kum.Sanjay Yadav.N., Kum.Tejaswini R.T., & Kum.Uttam.M -reg.

Ref: BESCOM/GM[A&HRD]/AGM/HRD/BC-40/22-23/118(A)/09.09.2022.

With reference to the above, I am herewith submitting the project report of Kum-Yathish Gowda.H., Kum-Sanjay Yadav.N., Kum-Tejaswini R.T., & Kum.Uttam.M., who have completed the Interenship training from 12.09 2022 to 07.10.2022.

Yours faithfully,

TExedutive Engineer Elect., Jayanagar Division., Bangalore.



Bangalore Electricity Supply Company Limited

(wholly owned Government of Karnataka undertaking).

Su: EEE/JD/AFE(O)/JE-1/22-23/ 6 4 Each Project report E-mail: cescuth working gmail.com Ph / Fax: 26711499 Office of the . Executive Engineer, (Ele.,) C, O&M, Jayanagar Division, 23rd Main, 27th Cross, BSK II Stage, B'lore - 70, Date **2** 9 AP R 2023

The Deputy General Manager, HRD Centre,Cresent Towers, Cresent Road, 1st Floor, Near Race Cource. Bengaluru - 560001.

> Sub: Project report of Kum.Yathish Gowda.H., Kum.Sanjay Yadav.N., Kum.Tejaswini R.T., & Kum.Uttam.M -reg.

Ref: BESCOM/GM(A&HRD)/AGM/HRD/BC-40/22-23/118(A)/09.09.2022.

With reference to the above, I am herewith submitting the project report of Kum-Yathish Gowda H., Kum-Sanjay Yadav N., Kum-Tejaswini R.T., & Kum-Uttam M., who have completed the Interenship training from 12.09.2022 to 07.10.2022.

Yours faithfully,

YExecutive Engineer Elect. Jayanagar Division , Bangalore

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RAJARAJESWARI COLLEGE OF ENGINEERING #14, Ramoholli Cross, Kumbalagudu, Bengaluru-560074. DEPARTMENT OF CIVIL ENGINEERING STUDENT INTERNSHIP DETAILS 2022-2023



SL.	Name of the Students	USN	Title of the Collabrative	Name of the Collabrative agency with contact details	Duration (From-To)
1	HARDIK KN	1RR17CV031		ABSENT	· · · · · · · · · · · · · · · · · · ·
2	PRUTHIVI D	JTHIVID IRR17CV065	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
3	RAJATH KUMAR D P	1RR17CV070	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
4	4 ARUN PRASAD P 1RR18CV009 Construction of Commrcial Building Bangalore 560009 Ph no: 080-22128 mail ID: bnk.urban@gmail.com		Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
5	5 BHARATH R IRR18CV010 Construction of Commrcial Building Bangalore-5600 mail ID: building Commrcial Buildin		Bangalore Nirmithi Kendra, C/O D.C. office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
6	HARSHITH S	1RR18CV014	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
7	HRUTHIKA P	1RR18CV017	Resiedential building construction	Sree J Builders, #10 9th cross, LN puram , Bangalore-560021, 9606200939,sreejbuilders@gmail.com	20/08/2022 to 18/09/2022
8	KARTHIK S	IRR18CV020	N.I MI.		Mr. l.
9	KISHORE R	IRR18CV024	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
10	NISHANTH S N	IRR18CV032	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022

21	CHIDANANDA E	1RR19CV006	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
20	20 CHANDAN M IRRI9CV0		NIL	N.	Mil.
19	19 BHEEMESH S IRR19CV004		Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022
18	ARUN GOWDA K G	IRR19CV003	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022
17	ARJUN SHEKAR C	1RR19CV002	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
16	ADITHYA R	IRR19CV001	Construction Site	Rayagowda construction company, #2799, Gayathri extension nagasamudra road, chanarayapatna-573116, rayagowdaconstructioncompany@yahoo.c om, 9448256782	25/08/2022 to 19/09/2022
15	VENKATESH PRASAD V	IRR18CV063	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
14	SUSHMITHA K	IRR18CV061	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail 1D: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
13	SHASHANK K S	1RR18CV054	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
12	SALMAN KHAN A	1RR18CV047	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
11	NIVEDITHA B Y	IRR18CV033	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
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22	DARSHAN T G	IRR19CV007	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022	
23	DARSHAN V JAGATAP	1RR19CV008	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022	
24	DEEKSHITH KUMAR S	1RR19CV009	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022	
25	DHANUSH KUMAR M	IRR19CV010	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022	
26	DHRUVATARE B N	IRR19CV011	Construction of Metro Rail	BMRCL, BMTC complex 3rd floor, Kh road, Shanti nagar, Bangalore-27,	25/08/2022 to 24/09/2022	
27	DHYAN GOWDA M K	IRR19CV012	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022	
28	HEMANTH B O	IRR19CV015	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022	
29	κανγα κ	IRRI9CV016	Resiedential building construction	Harshini Consultant, #249, 5th cross, Balaji Badavane, Mallathahalli, Bangalore, 98455006507, harshiniconsultant@gmail.com	20/08/2022 to 20/09/2022	
30	ΚΑΥΥΑ Τ Α	1RR19CV017	Resiedential building construction	Harshini Consultant, #249, 5th cross, Balaji Badavane, Mallathahalli, Bangalore, 98455006507, harshiniconsultant@gmail.com	20/08/2022 to 20/09/2022	
31	LALITESH S L	IRR19CV018	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022	
32	LIKHITA M H	IRR19CV019	Construction of Metro Rail	BMRCL, BMTC complex 3rd floor, Kh road, Shanti nagar, Bangalore-27,	25/08/2022 to 24/09/2022	

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33 LIKITH R		IRR19CV020	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
34	MANU N	N IRR19CV021 Construction of Commrcial Building Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bak udaa@amail.com		20/08/2022 to 18/09/2022	
35	MOIEN MOHI UD DIN BH	IRR19CV022	Overhead water tank , service Reservoir, Rapid Sand filtration plant	Overhead water tank , service Reservoir, Rapid Sand filtration plant UMAPCOS ltd, JJM Kashmir, J&K shopiar office, Kashmir, 911242399421	
36	MUNESH M	IRR19CV023	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
37	NITHYA N	IRR19CV024	Construction of Residential & Commrcial Building	SLR Enterprises, #3 3rd cross, Venugopal nagar, Doddabidarakallu, Nagsandra post, Bangalore-73, 8105231523	22/08/2022 to 21/09/2022
38	PAVAN M	IRR19CV025	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
39	PRUTHVIN B S	1RR19CV026	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
40	RAKESH D	IRR19CV027	N.Y	N.1.	N.V
41	RITIK DAWAR	IRR19CV028	SRS & Technical Building	SDCE projects pvt ltd, Tower A, 2nd floor, meyer neelkamal formhouse, vadodara-391410, compny@sdceproject.co.in	26/08/2022 to 29/09/2022
42	SAGAR R	1RR19CV029	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
43	SAHANA H M	IRRI9CV030	Construction of building	G-9 Projects, #64, 7th main, comakshi Hospital Samskriti puram, Mysore-09, 08214000708. enquiry@g9projects.com	11/08/2022 to 09/09/2022

44	SAKSHI ANJHALI	1RR19CV031	Construction of Metro Rail	BMRCL, BMTC complex 3rd floor, Kh road, Shanti nagar, Bangalore-27,	Kh 25/08/2022 to 24/09/2022	
45	SHARLIN	IRR19CV032	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
46	SOHAM SHARMA	IRR19CV033	PWD (R&B) Sub- Division	PWD dvn Katra, 01991232043, eepwdkatra@gmail.com	03/09/2022 to 03/10/2022	
47	SONU N	1RR19CV034	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	C d 20/08/2022 to 51 18/09/2022	
48	SOUNDARYA S	1RR19CV035	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
49	SRIRAKSHA D Y	1RR19CV036	Construction of Metro Rail	BMRCL, BMTC complex 3rd floor, Kh road, Shanti nagar, Bangalore-27,	25/08/2022 to 24/09/2022	
50	TANAY SAJJAN G V	1RR19CV037	Construction of building	Chitradurga Nirmiti Kendra, Megalahalli, medehalli, G P chitradurga-577502, nirmitikendracta@gmail.com	25/08/2022 to 12/09/2022	
51	TEJAS R	1RR19CV038	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
52	THANUSHREE R	IRR19CV039	Resiedential building construction	Harshini Consultant, #249, 5th cross, Balaji Badavane, Mallathahalli, Bangalore, 98455006507, harshiniconsultant@gmail.com	20/08/2022 to 20/09/2022	
53	VIKAS D	1RR19CV040	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022	
54	VIKRAM C	IRR19CV041	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022	

55 VINAYAK V NAIK		1RR19CV042	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
56 YASHWANTH K J		IRR19CV043	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
7 S	HILPA K	1RR19CV422	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 t 18/09/2022
58	ASHITOSH	IRR20CV400	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 ti 22/09/2022
59 AYAAN PASHA		1RR20CV401	Highway Construction & Testing Methodologies	HENCON Associates, #274, 1st D main, kengeri satellite town, bangaolre-60, 8861815007, conhen.2015@gmail.com	22/08/2022 to 22/09/2022
60	BASAVARAJU K P	1RR20CV402	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
61	MASHOOD ZAHOOR	1RR20CV403	Construction of ICU at Bone & Joints Hospital	EER&B constructions, Srinagar, 01942310283, xen2nd@gmail.com	27/08/2022 to 25/09/2022
62	MRUTHUNJAY PATIL	1RR20CV404	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
63	ROHITH К	1RR20CV405	Construction of Residential & Commrcial Building	SLR Enterprises, #3 3rd cross, Venugopal nagar, Doddabidarakallu, Nagsandra post, Bangalore-73, 8105231523	22/08/2022 to 21/09/2022
64	SHARATH S IRR20CV406		Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office , premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022
65	SOUJANYA S	1RR20CV407	Construction of Commrcial Building	Bangalore Nirmithi Kendra, C/O D.C office, premises, kempegowda Road Bangalore-560009 Ph no: 080-22128251 mail ID: bnk.urban@gmail.com	20/08/2022 to 18/09/2022

1. Jership Condart.

States

Professor SoloD Department of Civil Engineering RAJARAJESWARI COLLEGE OF ENGINEERING Bengaluru-74

TO WHOM SO EVER IT MAY CONCERN

This is to certify that "Hruthika.P" Student of Rajarajeswarl College of Engineering Bearing USN - IRR18CV017 pursuing 7" sem in BE Cred Engineering has successfully completed her internship training program for the academic year 2022-23. M/s. Sree J Builders LLP, Banglore

at the following sites for the period from 20.08.2022 to 18.09.2022 during this period her performance was also very good.

Name of Site:

STR R.S.LIF

- KHB- Dr. B.R Ambedkar School of Economics at Bangaluru University, Jnana Bharathi Campus, Bengaluru district."
- Constructions of Residential Building at Rajarajeshwari Nagar. Bangalore.
- 3. Constructions of Residential Building at J P Nagar, Bangalore

We wish her every success for her future assignments.



#10, 9th Cross, L.N. Puram, Bengalore - 560021 sreejbuilders@gmail.com | +91 96062 00939



Bangalore Metro Rail Corporation Ltd (A Joint Venture of Covarianteral of Katholaka & Government of Indiat Regel, Office : B.M.T.C. Complex, 3rd Floor, KM Road, Shardbinagat, No: BMRCL/CE (PM)/Internship/Certificate/2022-23 06" October 2022

TO WHOM-SO-EVER IT MAY CONCERN

ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

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This is to certify that Ms. DHRUVATARE B N (IRR19CV011) student studying in B.E, 3rd Year, (Civil Engineering) of RajaRajeswari College of Engineering, Bangalore has completed her Internship Training Programme in Bangalore Metro Rail Corporation Ltd., (BMRCL) from 25.08.2022 to 24.09.2022 under the guidance of Mr. Shivappa D H. Executive Engineer (Phase-2B -- Package-2), BMRCL.

We wish her successful career and bright future ahead.

- 6/2/2

(M. Srinivas) Chief Engineer (PM)



HENCON ASSOCIATES.

Dr. 01-10-2022

TO WHOMESOEVER IT MAY CONCERN

This is to certify that <u>Mr. Avaan Pasha R (IRR20(V401)</u> student of Raja Rajeswari College of Engineering, Bangalore has done His internship in Civil Engineering at Mrs Hencon Associates., Bangalore, from 22nd August 2022 to 22nd September 2022.

He has worked on a project titled 'Highway Construction and Testing Methodologies for Project 'Management and Quality control in Civil Engineering Works.

This project was aimed to provide Project management and quality control skills. As part of the project, He was associated in the following activities:

- 6. Execution Planning
- 7. Supervision of QAP
- 8. Assessment of Physical and Financial Progress
- 9. Updation of the progress in Project Management System.
- 10. Appraisal of Testing Methodology for various

During the internship he demonstrated commitment to work with a self-motivated animale to learn new things. Him performance exceeded expectations.

We wish him all the best for him future endeavors.



B. ELENCALLALE THE ATES Managua Nes, HEI E. 517(5.51);

274, 1st D Main Road, Kengeri Satellite Town, Bangalore - 560 060. Ph : +91 8861815007 email : conhen.2015@gmail.com GSTIN : 29AAHFH3118H1ZF

PUBLIC WORKS DEPARTMENT, CHANNAPATNA



Office of the Assistant Executive Engineer PWD Sub-Division, Channapatna - 562160

INTERNSHIP CERTIFICATE

This is to certify that Mr. CHIDANANDA E (1RR19CV006) is pursuing his B.E at RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU 560074 department of CIVIL ENGINEERING, He has been completed his Internship program in our Department works, starting from 20/08/2022 to 20/09/2022.

He has undergone training on site supervision and basic knowledge about building construction works, We found him sincere, hard working, technically sound and result oriented. He worked well as part of the team during his training. We take this opportunity to wish him well for his bright future

Date : 21/09/2022 Place : Channapatna

Assistant Executive Engineer PWD sub-division Channapatna Ramour recurrent ercoboecco clanderication wordt wing Letter wordt wordt wing Letter wordt wordt wing Letter wordt wordt wing

BRARSHARNA CONSULTANT

K G. RAVI KUMAR B.E. M.LE, F.LV, C.E. E. Mail.: harshmiconsultant@email.com. Ph.2845006507

No. 249, 5th cross Balaji Badavaane, Mallathalli Bangalore.

Date:- 10/09/2022

R.4P AN. BERBDIAR R.R. 108 F.R. d.4D MA BURG M.

This is to certify that <u>Kumari. Kavya K(USN: 1RR19CV016</u>), a Student of RajaRajeswari College of Engineering, Bangalore, has successfully completed 4 (Four) Weeks Long Internship Programme at This Company as Site Engineer and Programmer. During the Period of her Programme with us she was found Punctual, Hard Working and Inquisitive.

We Wish Her Every Success in Life.

Thanking you

Yours faithfully



RajaRajeswari College of Engineering



#14, Ramohalli Cross, Kumhalgodu, Mysore Road, Bengabara - 560074

Department of Computer Science & Engineering

-			TUDENT INTERNAMIT DETAIL	STUDENT INTERNSHIP DETAILS 2022-2023							
SL. NO	USN	NAME	Title of the Collabrative	Name of the Collabrative agency with contact details	Duration (From-To)						
1	IRR19C5001	AAKASHADHITHVA D K	Luan prediction	Tequed Labs	1 st Sep2022 to 30th sep 2022						
2	1RR19C5002	ABHISHEK K	Bangalore House Prices Analysis	Tequed Labs	1st. Sep2022 to 30th sep 2022						
-	1001005001	ABUISHEK PANDEY	Machine Learning-Intern	Collasalhub IT services	August 29rd to sep 30th 2022						
-	IPPIOCSING	ADARSH KUMAR	Data Science	DUCAT	1st Sep2022 to 30th sep 2022						
-	18 PIGCSONS	ADARSH MURTHY T.M.	Credit Card Fraud Detection	Togued Labs	1st Sep2022 to 30th sep 2022						
5	1881905006	ADITHYAJ	Stroke Prediction	Toqued Labs	1st Sep2022 to 30th sep 2022						
7	1RR19CS007	ADITYA KUMAR	Titanic -Machine Learning from disaster	Tequed Labs	1st Sep2022 to 30th sep 2022						
8	IRR19CS008	AFROZ ALAM	Online Attendence Management System	Tequed Labs	1st Sep2022 to 30th sep 2022						
	1RR19C5009	AIAY M S	Student Grade prediction	Tequed Lahs	1st Sep2022 to 30th sep 2022						
10	18819C5010	AKHILA K	Stroke price Prediction	Tequed Labs	1st Sep2022 to 30th sep 2022						
11	IRR19CS011	AKSHAY G S	Work from home vs work from office prediction	Tequed Lats	1st Sep2022 to 30th sep 2022						
12	IRR19C5012	ALISHA S	Antifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
13	1RR19CS013	ANUJ RAJ	Web Development(html,CSS)	Internshala	29th Sep 2022						
14	1RR19CS014	ANUSHA B AMARGATTI	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
15	IRR19CS015	ANUSHA J	Iris Dataset	Tequed Lahs	1st Sep2022 to 30th sep 2022						
16	IRR19C5016	ANUSHA V	Antifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
17	1881905017	ARSHIVA NAZNEEN	Mall Customers dataset	Toqued Labs	1st Sep2022 to 30th sep 2022						
18	IRRI9CS018	AUGUSTIN AVINASH I	Software Developer	Collasalhub IT services	29th Sep 2022						
19	IRR19CS019	AVINAASI LJ	Web Development	worInWell	25th Sep2022 to 25th Nov 2022						
20	IRR19CS020	B V MANASI	Antifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
21	1RR19CS021	BAGALKOT SHRUSTI	Image Encryption	Tequed Labs	1st Sep2022 to 30th sep 2022						
22	1RR19C5022	BANGARU ADITYA	job port follo	Tequed Labs	1st Sep2022 to 30th sep 2022						
23	1RR19C5023	BHOOMIKA G K	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
24	IRR19C5024	BINDUSHREE B M	Image Stepanography	Tequed Labs	1st Sep2022 to 30th sep 2022						
25	1RR19CS025	CHAITANYA MAHAPRABHU	Proximity sensor boundary for surveillance and monitoring	Tequed Labs	1st Sep2022 to 30th sep 2022						
26	1RR19CS026	CHAITHANYA M	Krish Software Services (India)Pvt. Lid	Krish	19th Aug 2022 to 19th Sept 202						
27	IRR19C5028	CHANDANA R	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22						
78	IRR190%179	DARSHAN V	Brain tamor Detection	Tequed Labs	1st Sep2022 to 30th sep 2022						
29	1881905010	DEEKSHITHA U M	Full Stack web development	TechnoFly Solution	22/06/22 to 22/09/22						
30	18819CS011	DEVARAJA	MCQ test taking platform	Tequed Labs	1st Sep2022 to 30th sep 2022						
31	IRR19CS033	FARHEEN TAJ	Bangalore Placement Statistics data	Tequed Labs	1st Sep2022 to 30th sep 2022						
32	IRR19CS034	GADDAPARA KOKILA	Uber Pickup dataset	Tequed Labs	1st Sep2022 to 30th sep 2022						
33	IRR19CS035	GANAVIC V	Image Steganography	Tequed Labs	1st Sep2022 to 30th sep 2022						
34	1RR19CS036	GANESH K C	the Boston bousing database	Tequed Labs	1st Sep2022 to 30th sep 2022						
35	IRR19CS037	GAURAV KUMAR BHATT	Machine Learning With Python	Varcons Technologies Pst Ltd	23rd Aug to 27th sep 22						
36	IRR19CS038	GEETHASHREE R	Image Steganography	Tequed Labs	1st Sep2022 to 30th sep 2022						
37	IRR19CS039	GOUTHAM M	Online C/C++/ Java Compiler with Test Cases Validation	Tequed Labs	1st Sep2022 to 30th sep 2022						
38	IRR19C5040	GOVARDHAN G P	Parkinson Disease	Tequed Labs	1st Sen2022 to 10th sen 2022						
39	IRR19C5041	GUNASREE N A	Full Stack web development	TechnoFly Solution	22/08/22 to 22/09/22						
40	RR19CS042	H SWETHA DESHMUKH	Web Development	worlsWell	25th Sep2022 to 25th Nov 2022						
41 1	RR19CS043	HARSHETHA MURTHY K	Web Development	worinWell	25th Sep2022 to 25th Nov 2022						

1	3 IRR19CS045	HARSHITHA JAYASREE R	Heart Attack Analysis and Prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
t	4 1RR19CS046	HARSHITHA V	Full Stack web development	TechnoFly Solution	22/08/22 to 22/09/22
	IRR19CS047	HEMANTH R	Application of Advanced Analytics in pricing ,Supply chair & portfolio Simplification for an	Honeywell Technology Solution Lab Pvt,Lid	21-Feb-23
1	6 1RR19CS048	HEMAVATHI R	Healthcare website	Aides Engg private Limited	Aug 22to sep 22
4	7 1RR19CS049	HRITHIK K A	Machine Learning USING Python	TechnoFly Solution	20/08/22 to 19/09/22
4	8 IRR19CS030	I AMALI AKSHAYA	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
4	9 IRR19CS051	JAHNAVI H P	Fake news detection	Tequed Lahs	1st Sep2022 to 30th sep 2022
5	0 IRR19CS052	JEEVAN Y	Artifical Intelligence with python	Languify	25th Nov 2022 to 25th Jan 2023
5	1 IRR19CS053	JESICA G V	Krish Software Services (India)Pvt Ltd	Krish	19th Aug 2022 to 19th Sept 2022
5	2 1RR19CS054	K SHIVUKUMAR	MCO test taking platform	Tequed Labs	1st Sep2022 to 30th sep 2022
5	3 IRR19CS055	K V HIMASAI	Wine quality data set	Tequed Labs	1st Sep2022 to 30th sep 2022
5	1RR19CS056	K YASHWANTH CHOWDARY	job portal	Tequed Labs	1st Sep2022 to 30th sep 2022
5	5 IRR19CS057	KARTHIK E	Krish Software Services (India)Pvt Ltd	Krish	19th Aug 2022 to 19th Sept 2022
56	IRRI9CS058	KAVANA D	Wine quality data set	Sustainability Solution Private	1st Sep2022 to 30th sep 2022
57	IRR19CS059	KEERTHAN GOWDA H K	Linear Regression Analysis on continuous data for machine Learning	Inventeron	5th sep to 5th oct 22
58	1RR19CS060	KEERTHAN R	Online Compiler with Test Cases Validation	TEQUED LABS	1st Sep2022 to 30th sep 2022
59	1RR19CS061	KEERTHANA H S	FRONT-END DEVELOPMENT	BOSCH AUTOMOTIVE ELECTRONICS	1st Sep2022 to 30th sep 2022
60	IRR18CS016	AMOGHA L A	Linear Regression Analysis on continuous data for machine Learning	Inventeron	5th sep to 5th oct 22
61	1RR18CS026	BHARATHI R	WEAPON DETECTION	TECHNOFLY SOLUTIONS	25th oct2022 to 25th sep2022
62	1RR18CS169	TEJARADITYA M NAIK	HOTEL ROOM BOOKING SYSTEM	Sookshmas E-Learning Pvt Ltd	1st Sep2022 to 31st sep 2022
63	1RR20CS401	DHANUSH KR	Front End Web Development	Aides Engg private Limited	22nd Aug2022 to 22nd Sep 2022
64	1RR20CS404	SANTHOSH N	COVID AWARENESS WEBSITE	Aides Engg private Limited	22nd Aug2022 to 22nd Sep 2022
65	1RR20CS406	YASHVANTH PS	E-Commerce Website	Aides Engg private Limited	23rd Aug2022 to 22nd Sep 2022
66	1RR19CS153	SPOORTHY K S	Online Compiler with Test Cases Validation	TEQUED LABS	1st Sep2022 to 30th sep 2022
67	1RR19C5062	KEERTHANA R	Ranking features of Smart phone	TCS Ion	19th Aug 2022 to 19th Sept 2022
68	1RR19CS063	KEERTHANA S	Diamond Price Prediction using Machine Learning	Key Sustainability Pvt Limited	1st Sep2022 to 30th sep 2022
69	IRR19CS064	KESARI NANDAN K S	Online Compiler with Test Cases Validation	TEQUED LABS	1st Sep2022 to 30th sep 2022
70	IRR19CS065	KIRAN N	AUTOMATED PARKING SYSTEM USING ML	COMPSOFT TECHNOLOGIES	23rd Aug to 27th sep 22
71	1RR19CS066	KONDALA ASRITA	Stockport Predictive Sentiment	VARCONS TECHNOLOGY	23rd Aug to 27th sep 22
72	IRR19C5067	KRUTHIKA S MURTHY	ISERT LEARNING	Generis Techno logy Pvt Ltd	1st Sep2022 to 30th sep 2022
73	1RR19CS068	KUMAR C	BANGLORE HOUSE PRICE	TEQUED LABS	Lat. Sep2022 to 30th sep 2022
74	RR19CS069	KUSH UPADHYAY	Template on Blood Donor	Cappemini Pyr Lut	het Our 2022 or het New 2022
75	RR19C5070	LAKITH KUMAR OK	CREDIT CARD FRAUD	FOUED LARS	AND GRI 2022 10 310 NOV 2022
	B B LOCCOR		DETECTION DATASET	egoto trans	1st Sep2022 to 30th sep 2022
70	KR19CS071	LAKSHMIDEVING	Parkinson's disease detection	EQUED LABS	1st Sep2022 to 30th sep 2022
77 1	RR19CS072	LAVANYA N MURTHY	MONITORING	Crish Technology	19th Aug 2022 to 19th Sept 2022
78	RR19CS073	LIYAKAT ALI JOO	MANAGEMENT SYSTEM	EQUED LABS	Ist Sep2022 to 30th sep 2022
79 1	RR19CS074	MADAN KUMAR D N	DETECTION DATASET	EQUED LABS	1st Sep2022 to 30th sep 2022

80	1RR19CS075	MADHUSHALINI M	Chatbot for Healthcare System	COMPSOFT TECHNOLOGIES	23rd Aug to 27th sep 22
-81	18R19C5076	MANOLSI	ish nortal	Tenued Labs	1st Sen2022 to 30th sen 2022
82	IRR19CS077	MANSI YADAV	PARKINSON'S DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
83	IRR19CS078	MAREDDY CHRISTOFAR	Bangalore house price analysis	TEQUED LABS	1st Sep2022 to 30th sep 2022
84	1RR19CS079	MASOOD MANZOOR AHMED	CROP RECOMMENDATION MODEL	TECHNOFLY SOLUTIONS	1st Sep2022 to 30th sep 2022
85	1RR19CS080	MD SAIF	TWITTER SENTIMENT ANALYSIS	VARCONS TECHNOLOGIES	23rd Aug to 27th sep 22
86	1RR19CS081	MEGHANA RAJASHEKAR	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
87	1RR19CS082	MEGHANA S	CROP RECOMMENDATION MODEL	TECHNOFLY SOLUTIONS	1st Sep2022 to 30th sep 2022
- 58	1RR19CS083	MITALI SHARMA			
89	1RR19CS084	MOHAMMAD SAQIB SHAH	Data Plotter	Collasalhub IT services	29th aug 2022 to 30 sep 2022
90	1RR19CS085	MOHAMMED ATHIQ KAMRAN	Template on Blood Donor Management	Capgemini Pvt.Ltd	3rd Oct 2022 to 3rd Nov 2022
91	IRR19CS086	MOHAMMED REEHAN	Online Attendence Management System	Tequed Labs	1st Sep2022 to 30th sep 2022
92	IRR19C5087	MOHAMMED ZUBAIR	PARKINSON'S DATASET	TEOLED LABS	Let Sen2022 to 30th sen 2022
93	1RR19CS088	MOHAN N	Heart Disease Prediction	Educet Foundation	19th ser/2022 to 11th nov 2022
94	1RR19CS089	MONIKA N	MOVIE TICKET BOOKING	TECHNOFLY	25th seo to 25th nov 2022
95	1RR19CS091	MUKTHA S	Media Player	iNube Software Private	22 Aug to 22 sep 2023
95	1RR19CS092	NAGAPRASAD K R	PREDICT THE NEXT WORD	TEOLED LABS	Let Sep2022 to 30th sep 2022
-	IDDIAGONA		VIRTUAL ASSISTANT FOR	COMPSOFT	rst Sep2022 to Soursep 2022
97	1RR19CS093	NAGASHREE S	VISUALLY IMPAIRED	TECHNOLOGIES	2nd Sep2022 to 2nd Nov 2022
	IBBIODEAN	at a barrier of the	Chathot for Healthcare System	COMPSOFT	Construction of the second
38	1KK19C5094	NANDISH K	using AI	TECHNOLOGIES	23rd Aug to 27th sep 22
99	1RR19CS095	NAYANA B C	VISUALLY IMPAIRED	TECHNOLOGIES	2nd Sep2022 to 2nd Nov 2022
100	1RR19CS096	NEHA R SINDHE	SYSTEM	TEQUED LABS	1st Sep2022 to 30th sep 2022
+01	1000000	NIKANJAN K	IPL BATTING ANALYSIS	TEQUED LABS	1st Sep2022 to 30th sep 2022
102	1881905098	PHARSHITHA	HOUSE PRICE PREDICTION	TEQUED LABS	1st Sep2022 to 30th sep 2022
103	188190.5099	PSVIATAKANGAN	PARKINSON'S DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
104	1881905100	PARAMESHWARI M	Socr heights and weight dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
205	JAKISCOLUI	POOLA S	Keady to travel	Tequed Labs	1st Sep2022 to 30th sep 2022
106	1RR19CS102	PORACHENU THEJASWINI	Ready to travel	Tequed Labs.	2nd Sep2022 to 30th sep 2022
107	1881963199	PROGATHER	Indian startup funding datase	Toqued Labs	1st Sep2022 to 30th sep 2022
108	1RR19CS104	PRAJWAL R	using AI	Compaoft Technologies	23rd Aug to 27th sep 22
109	1RR19CS105	PRATHIKSHA V	Media Player	iNube Software Private Limited	22 Aug to 22 sep 2023
110	1RR19CS106	PREETHI B SHETTY	Chatbot for Healthcare System	Compsoft Technologies	23rd Aug to 27th sep 22
111	1RR19CS107	PREM KUMAR J	"TEMPLATE FOR ONLINE STRENGTH TRAINING CENTER"	Varcons Technologies Pvt.Ltd	23rd Aug to 27th sep 22
112	1RR19CS108	PRIYANKA H K	Chatbot for Healthcare System using	Compost Technologies	23rd Aur to 27th see 22
113	1RR19CS109	PRUTHVI RAJ B V	Chatbot for Healthcare System using	Compsoft Technologies	23rd Aug to 27th sep 22
114	1RR19CS110	PUSHPAK V REDDY	iPL Batting Analysis Template for online. Yoga Training	Tequed Labs	1st Sep2022 to 30th sep 2022
115	1RR19CS113	RAGHAVENDRA H K	Center IPI, Batting Analysis	Varcons Technologies Pvt.Ltd	23rd Aug to 27th sep 22
117	IRRI9CS114	RAHUL RALKI	Indian Lland Bikes Data	Terued Labs	1st Sep2022 to 30th sep 2022
118	1RR19CS115	RAKESH P M	Guess the next word	Termed Labs	1st Sep2022 to 30th sep 2022
119	IRR19CS116	RAKSHITH KUMAR D	Indian Used Bikes Data	Terret Labs	1st Sep2022 to 30th sep 2022
120	IRR19CS117	RASHMI B M	Rain fall prediction using Machine	Tech Fortune	1st Sep2022 to 30th sep 2022
121	IRRIGCELLE	ROHAN R	Indian Used Dilas Day		the stag to 20m sep 2022
122	IRRIGCSIIG	ROHITHS	Indian Used Diles Data	requed Labs	1st Sep2022 to 30th sep 2022
123	IRRI9CS120	RUCHITHA V	Rain fall prediction using Machine	Tequed Labs	1st Sep2022 to 30th sep 2022
124	1RR19CS121	SAGAR	Learning Parkinson's Dataset	Towned	25th Aug to 25th sep 2022
125	1RR19CS122	SAGAR K	PI Batting Analysis	requed Labs	1st Sep2022 to 30th sep 2022
126	1RR18CS070	MANISHA K M	Ready to travel	Tequed Labs	1st Sep2022 to 30th sep 2022
127	IRR18CS073	MANOJ U K	"Music genre classification using	Tequed Labs	1st Sep2022 to 30th sep 2022
128	IRR18C5099	PRAJWAL	Ready to travel	Tequed Labs	1st Sep2022 to 30th sep 2022

12	19 IRR18CS076	MOHAMMED SAYED S	E-Commerce Website	Aides Engg private Limited	23rd Aug2022 to 22nd Sep 2022
13	ID IRRI9CS123	SAGAR R	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
13	1 IRR19CS124	SAHANA B M	Fake news detection dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
13	2 IRR19CS125	SARANA RAJA	Bangalore Placement Statistics data	Toqued Lats	1st Sep2022 to 30th sep 2022
13	3 IRR19CS126	SAHANASHREE	Fake news detection dataset	Tequed Labs	Lut Sep2022 to 30th sep 2022
13	4 IRR19CS127	SAI PAVAN B N	Pake currency Detection Using machine learning	Tequed Lahs	Lut Sep2022 to 30th sep 2022
13	5 IRR19CS128	SAMYUKTHA R	Web Development	Tech Fortune	25th Aug to 25th sep 2022
13	6 1RR19CS129	SAMYUKTHA S	Web Development	Tech Fortune	25th Aug to 25th sep 2022
13	7 1RR19CS130	SANSKAR DROLIA	Template- To Check ticket availability	Varcom Technologies Pvt Ltd	23rd Aug to 27th sep 22
13	8 1RR19CS131	SANTHOSH R	Indian Used Bikes Data	Teipied Labs	1st Sep2022 to 30th sep 2022
13	9 IRR19CS132	SANTOSH K	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
14	0 1RR19CS133	SHAFIYA ASBUMA A	Machine Learning with R	Tech Fortune	25th Aug to 25th sep 2022
14	1 1RR19CS134	KALASHETTY	Click up File Manager	Clickup	Sep 22 to jan 23
14	2 1RR19CS135	SHASHWTH S KHARVI	Predict the next word	Tequed Labs	1 st Sep2022 to 30th sep 2022
14	3 1RR19CS136	SHEEBALAKSHMI S	lot based home Automation System	Enthu Technology Solution Pvt Ltd	12 sep 22 to 30 sep 22
14	4 1RR1905137	SHIBIN C REJI	Template for Online Strength training Center	Vancons Technologies Pvt Ltd	23 Aug 22 to 27 th sep 22
14	5 1RR19CS138	SHIREESHA Y A	Inventory Management system	Thaniya Technologies	22rd Aug to 22sep 22
14	5 1RR19CS140	SHREE KRISHNA	Inventory Management system	Thaniya Technologies	22rd Aug to 22sep 22
14	7 1RR19CS141	SHREYANKA J T	Burned Calories Prediction	Toqued Labs	1 st. Sep2022 to 30th sep 2022
14	8 IRR19C5142	SHRIDEV UDUPA E S	College website port folio	Tequed Labs	1st Sep2022 to 30th sep 2022
14	RRI9CS143	SHRISTI J	Bangalore Placement Statistics data	Tequed Labs	1st Sep2022 to 30th sep 2022
150	1RR19CS144	SHRITI ARVIND SINGH	FlipBook Master	Collasalhub IT services	29th Aug 2022 to sep 30th 2022
151	1 1RR19CS145	SHYAM SUNDAR G	Movie Recommendation website	Aides Engg private Limited	Aug 22to sep 22
15.	11RR19CS146	SIDDESHA O B	Personal portfolio website	Aides Engg private Limited	Aug 22to sep 22
150	INKI9CS14/	SIMPLE K S	Yoga Fitness website	Aides Engg private Limited	Aug 22to sep 23
154	1RR19C5148	SINDHUSHREE V	Azure site Recovery	Krish software services Pvt Ltd	19 Aug 22 to 19 sep 22
155	1RR19CS149	SNEHA APARNA	Bright Eye an online Learning website	Tech Fortune	25th Aug to 25th sep 2022
156	1RR19C\$150	SNEHA N V	Online Clothing store	Tech Fortune	25th Aug to 25th sep 2022
157	1RR19CS151	SOMESHWAR S	"UBER PICKUP DATASET"	Tequed Labs	1st Sep2022 to 30th sep 2022
158	IRRI9CS152	SOWMYAMN	Covid Awareness Website	Aides Engg private Limited	Aug 22to sep 22
159	1RR19CS154	SRIGOWRJ N	Video Player Application	Nube Software Private	22rd Aug to 22sep 22
160	1RR19CS155	SRIVALLI N	Personal Blog website	Aides Engg private Limited	Aug 22to sep 22
161	IRR19CS156	SUHAS CHANDRAN R	lot based home Automation System	Enthu Technology Solution Pvt Ltd	12 sep 22 to 30 sep 22
162	IRR19C5157	SUMAIYA NADEEM	"GLOBAL UNEMPLOYMENT ANALYSIS	Tech Fortune Technologies	21 Aug to 19th sep 22
163	1RR19CS158	SUMANTH S	Cloud Based Reminder	Rapsol technologies Pyt hd	Aug 22 to see 21
164	1881905159	SUMANTH V	Isert Learning management Sustain	Generis Technologies Private	ning as wind as
165	1881905160	SURYAKANTH MASTAPPA	BRIGHT EVE AN ONE DE LEADA	Limited TECH FORTUNE	9 th Aug to 9 sep 22
	IPRINCELLI	NAIK	BROTT ETEAN ONLINE LEARP	TECHNOLOGIES	21st Aug 2022 to 23rd Sep 2022
100	IARI9CSIOI	SUSHMITHA M	INVENTORY MANAGEMENT SY	THANIYA TECHNOLOGY	22nd Aug2022 to 22nd Sep 2022
167	IRRI9CS162	SYED MANSOOR	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st Nov to 30th Nov 2022
168	IRRI9CS163	TKARTHIK	HEALTH-CARE MANAGEMENT	Krish Software Services	19th Aug 2022 to 19th Sept 2022
169	1RR19CS164	TEJAS V	AI BASED RESUME PARSER	VCNR TECHNOLOGIES	1st Sep 2022 to 30th Sep 2022
170	IRR19CS165	UDAYA S	THEME PARK MANAGEMENT SYSTEM	TAKE IT SMART PVT LTD	21st Aug 2022 to 21st Sep 2022
171	1RR19CS166	VAIDEHI A	ANNUAL INCOME DATASET	TECH FORTUNE	21st Aug 2022 to 19th Sep 2022
172	TRR19CS167	VARSHA P	NETFLIX CLONE	HINDUSTAN AERONAUTICS LIMITED	14th Sep 2022 to 12th Oct 2022
173	IRR19CS168	VARSHITHA H	AZURE SITE RECOVERY	Krish Software Services Pvt.Ltd	19th Aug 2022 to 19th Sept 2022

174	1RR19CS169	VASANTHA D V	NETFLIX CLONE	HINDUSTAN AFRONAUTICS LIMITED	14th Sep 2022 to 12th Oct 2022
175	IRR19CS170	VUETH S GOWDA	ALBASED RESUME PARSER	VCNR TECHNOLOGIES	1st Sep 2022 to 30th Sep 2022
176	1RR19CS172	VINAY N	CLOUD BASED REMINDER	Rapsol Technologies Private Limited	22nd Aug2022 to 22nd Sep 2022
177	1881903171	VINUSURFEEK	College Website Protofolio	TEQUED LABS	1st sep2022 to 30th sep 2022
178	1881905174	VISHAL L	INDIAN USED BIKES DATA	TEQUED LABS	1st sep2022 to 30th sep 2022
179	1RR19CS175	VISHWAS K	RESTAURANT WEBSITE	TECH FORTUNE TECHNOLOGIES	21st Aug 2022 to 23rd Sep 2022
180	1RR19CS176	YALLA DHEERAJ KUMAR REDDY	FAKE CURRENCY DETECTION USING MACHINE LEARNING	TEQUED LABS	1st sep2022 to 30th sep 2022
181	IRR19CS177	YASHAS RAYALA T	CLOUD BASED REMINDER	RAPSOL Technologies Pvt Ltd	22nd Aug 2022 to 23rd Sep 2022
182	1RR19C5178	YASHASWINI C E	ONLINE FURNITURE SHOPPING	THANIYA TECHNOLOGIES	23rd Aug 2022 to 23rd Sep 2022
183	1RR19C5179	YASHI BILTHARIYA	TEMPLATE TO CHECK THE RAILWAY TICKET AVAILABILITY	VARCONS TECHNOLOGIES Pvi Lid	23rd Aug 2022 to 27th Sep 2022
18	4 1RR19CS180	YASHWANTH M	FASHION MNIST DATA CLASSIFICATION	Coincent ai	25th Nov 2022 to 25th Jan 2022
18	5 1RR19CS181	YELLA LALITH SAI	FAKE CURRENCY DETECTION USING MACHINE LEARNING	TEQUED LABS	1st sep2022 to 30th sep 2022
18	6 IRR19CS182	ZAHID HUSSAIN LONE	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st oct 2022 to 30th oct 2022
18	7 IRR18C5136	SMARTHI	ANNUAL INCOME DATASET	TECH FORTUNE	21st Aug 2022 to 19th Sep 2022
18	# 1RR19CS112	R SHOBHA	BANGLORE PLACEMENT STATISTICS DATA	TEQUED LABS	1st sep2022 to 20th sep 2022
18	19 1RR20C5400	DEVIKA HN	LANGUAGE TRANSLATOR	Technofly solution	20th Aug 2022 to 20th Sep 2022
13	0 1RR20CS402	NIKJTHA GJ	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st Nov to 30th Nov 2022
1	91 1RR20CS403	PRATHIBHA M	LANGUAGE TRANSLATOR	Technolly solution	20th Aug 2022 to 20th Sep 2022
1	92 IRR20CS405	SAPTHAMI SN	LANGUAGE TRANSLATOR	Technofly solution	20th Aug 2022 to 20th Sep 2022
1	93 1RR20C5407	YOGITHA L	Fake News Detection of Dataset	TEQUED LABS	1st sep2022 to 20th sep 2022

Internating Co-ordinators

Dr Usha S HoD

Professor & Head. Computer Science of Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BENGALURU - 500 074.





Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that **Ms.CHAITHANYA M** bearing USN No: 1RR19CS026 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd, Bangalore. The internship period was from **19th Aug 2022 to 19th Sept 2022** under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CIN : U72200KA2015PTC064866

Survey No.253/154/172, 3rd Floor, IndQube-Gamma Building, Duter Ring Road, Kadubeesanahalii, Marathalii, Bengaluru, Kamataka 550105 (T): +91.80500.95567, (M): +91.91080.15874, www.knahoftwareservices.com



CERTIFICATE OF INTERNSHIP

This is to certify that Gaurav Kumar Bhatt whose USN is 1RR19CS037, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Varcons Technlogoies Pvt Ltd from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Stockport | Predictive Sentiment Analysis, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE





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CERTIFICATE OF INTERNSHIP

This is to certify that **Prem Kumar J** whose USN is **1RR19CS107**, has completed their **Full Stack Web Development** Internship organised and handled by **Varcons Technlogoies Pvt Ltd** from **23rd August**, **2022** to **27th September**, **2022**.

The person to whom this certificate is addressed to has worked on a project titled **Template for Online Strength training Center**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE



www.varconstech.com contact@varconstech.com

This certificate was generated using CERTIEFY.COM

Date: 27-Sep-2022



TO WHOMSOVER IT MAY CONCERN

This is to certify that Ms. Srigowri N, student of Rajarajeswari College of Engineering bearing Reg No/ USN No: 1RR19CS154, has successfully completed the internship program in iNube Software Solutions Pvt Ltd., starting from 22-August-2022 to 22-September-2022 under the guidance of Mr. Ravichandran Mahalingam on Media Player Project and React and NodeJS Technology.

During the period of her internship program with us, she was found diligent, hardworking, and inquisitive.

We wish her success in her life and career.

For iNube Software Solutions Private Limited,



Human Resource

+91-80-46512500

#31, 2nd Floor, Kothanur main road J.P.Nagar 7th phase,Bangalore-560078 hn@inubesolutions.com

www.inubesolutions.com

8 Nube | Private and Confidential

Rapsol Technologies Pvt. Ltd



Date: Sept 23, 2022

Certificate of Internship

This is to certify that Mr. Yashas Rayala. T (USN: 1RR19CS177) has completed his internship on Becoming Cloud Ready with AZURE at RAPSOL TECHNOLOGIES PRIVATE LIMITED from August 22, 2022 to September 23, 2022 under the guidance of Mr. Naman Sinha (Senior Software Engineer).

We have found him to be self-starter who is motivated, duty bound and Hard – working. He worked sincerely on his assignments and his performance was par Excellence.

We wish him best of luck for his future.

Thanks & Regards

Niranjan Balaji | Managing Director

Rapsol Technologies Private Limited

Mobile: +91 9738510751 | Landline: 080 40990889

E-mail: niranjan@rapsoltechnologies.com Web: www.rapsoltechnologies.com

#1036, 2nd Floor, Sri Lakshmi Chambers, Jayanagar 4th T Block, Bengaluru – 560041 Ph: 080-40990889 www.rapsoltechnologies.com contactus@rapsoltechnologies.com languify

INTERNSHIP CERTIFICATION

This is to certify that

Nashwanth M

has successfully completed internship program in **Artificial Intelligence with Python** from 25th Nov, 2022 to 25th Jan, 2023. During the internship, the student was found to be dedicated, hardworking and diligent.

ACADEMIC HEAD



DIRECTOR SIGNATURE

THE SPARKS FOUNDATION

CERTIFICATE OF COMPLETION

This Certificate is presented to

Zahid Hussain Lone

for an outstanding contribution during the session (Sep 2022 - Oct 2022) of Graduate Rotational Internship Program at The Sparks Foundation on 01-Oct-2022.



Certificate Number: ATYY2PEHMS

Verification at: https://truecertificates.com/verification/

ranau RAHAV DUBEY

MANAGING DIRECTOR

Scanned with CamScanner



Collasalhub IT Services

Tower A, 4, AMR Tech Park, Internal Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068 Website - collasalhub.com

Abhishek Pandey Machine Learning - Intern 30th Sept 2022

To Whom It May Concern

This is to certify that Mr. Abhishek Pandey has been interning full-time with Collasalhub IT Services from August 29rd, 2022 to September 30th, 2022 as a Machine Learning - Intern.

During this tenure, we have found him to be a self-starter, professional, knowledgeable and result oriented with theoretical and practical understanding of work requirements. He works sincerely on his assignments and his performance is good. Overall **Mr. Abhishek Pandey** performed his duties and responsibilities quite impressively. On the behalf of the company, I take this opportunity to wish him all the very best for his future career endeavors.

Adnaan Shariff

Adnaan Shariff, Managing Partner/CMO Collasalhub IT Services **Website** - <u>collasalhub.com</u>

Collasalhub IT Services, CIN: U7599P482C365563

	STUDENT ID NO D.79
3	An ISO 9001 : 2000 Company
	The council of research and training,
	Ducat Noida certifies that
	Adarsh Kumar
	has been awarded a certificate of proficiency in
	Data Science
	for having successfully completed the program with
	A+ Guada
	The program was conducted during the period
	1 Sep, 2022 / 30 Sep, 2022
	given under the seal of Ducat Noida.
2	And G
Thouse a	portinator Director 65

Completion Certificate of Industrial Training



Course Completion Certificate

ANUJ RAJ

has successfully completed **100%** of the self-paced training course on Web Development. The training consisted of HTML & CSS, Bootstrap, SQL and PHP modules.

pikkerne faalminii anterna

29 September 2022



Honeywell Technology Solutions Lab Pvt. Ltd. Survey No. 96 & 97, Boganahalli Vitage, Survey No. 72/2 & 72/5, Doddakarmahalli Vitage, Varithur Hobil, Bengaluru 560 103 Tel : +91 80 2658 8360 Fax No : +91 80 2658 8360 CIN No : +91 80 2658 4750 CIN No : U72200KA1994FTC016379 HTS-Commenced Streeged Long

21 February 2023

Hemanth R H532145

TO WHOMEVER IT MAY CONCERN

This is to certify that Hemanth R is working with us as an Intern Bachelors Data Science at Honeywell Technology Solutions Lab Pvt. Ltd. in the project titled:

APPLICATION OF ADVANCED ANALYTICS IN PRICING, SUPPLY CHAIN & PORTFOLIO SIMPLIFICATION FOR AERO

This project has been carried out as a partial fulfillment of the Degree Course.

For any verification on the above details, please emai Hrhelp/ii honeywell.com

For Honeywell Technology Solutions Lab Pvt. Ltd.,

Maricha Goel

Manisha Goel Director HR



Company Identification Number : U72900KA2019PTC125249

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that HEMAVATHI R bearing USN: 1RR19CS048 has successfully finished her internship with Aideas Engineering Private Limited as a Software Trainee Intern from August-22 to September-22.

They have worked on the "Healthcare Website" Project under the supervision and guidance of Mr. Murali V. During the internship, she has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

For Aideas Engineering Put Ltd,

unal 2 (manun

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD. No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

Inventeron To Reg. No : AAB9565
INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP
CERTIFICATE OF INTERNSHIP
This is to certify that Mr/Ms. Keen than Gowada H.K
has completed internship on Linear Regrettion Analysie on Continuous data for Machine Learning trom 05 SEP 2022 to 05 Oct 2022 successfully:
We wish this intern all the best for future endeavours.
CIVIDER OF BIOT States & O Managing Director WWW.inventeron.com



Bosch Automotive Electronics India Pvt. Ltd. Building 703, Naganathapura P.B. No. 10029 Electronics City Post Office Bangalore - 560 100 India

PAN No. AADCB4330L CIN No. U29221KA2008PTC045987

09.11.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Keerthana H S of Rajarajeshwari college of engineering, Bangalore, has completed internship in our company from 01.09.2022 to 31.10.2022.

During the above period, the candidate has gained knowledge on the following:

- Overview of automotive electronic manufacturing & I4.0
- Knowledge Management System & Andon System Testing
- Outsystems Research and application.

Her interaction with the colleagues, grasping ability, conduct, attendance and overall performance were satisfactory.

We wish Ms. Keerthana H S success in future Endeavors.

For Bosch Automotive Electronics India Private Limited.

Chardeskala

(Chandrakala Basavaraju) Deputy Manager-Human Resources



Registered Office: Building 703, Naganathapura, P.B. No. 10029, Electronica City Post Office, Bangalore 560 100, India

COMPANYCERTIFICATE



Coopenant Technology Services India Limited

(Carbon C. Schemer an April 19 (Sector Revision Derivative) South Statements - Statements (1999) Physics B, Wantedowski, Berngements - Statements, Varianteski, States, 1 (2014) 401 (2014) 00000 (197) -012 (2014) 2225 (2014) and 10 (2014) 2014 (2014).

Reference No #1 2467210808

February 03, 2023

Internship Letter

Hr.Kush Upedhyay Emp. Code - 46278725 Bangalore

Dear Kush Upadhyny,

This is to certify that Mr.Kush. Upadhyay has successfully completed his internship with Cappenini from October 03, 2022 to December 26, 2022.

He interned under the guidance of Ms.Namrata Chadha.

We wish all the best for his future endeavors.

Yours truly,

For Capgemini Technology Services India Limited

Signature Not Verideo Diotaity signed by ARL AKUMAR GOPALAXRISHNAN Date: 2023.02.03 17-0 06 +05.30

NAME OF ADDRESS DESCRIPTION DESCRIPTION OF ADDRESS OF ADDRESS
COMPANY CERTIFICATE

TechnoFly So	olutions	Techno fly
	Internship Certif	ficate
This is to certify that	t Alisha. S	a student of
Raja Rajeshami Colleg	ge of Engineering has complete	d 2 months/weeks of Internahi
From 25/08/22 To 29	5/09/22 in Artificial Intellig	ence why Rython Domain
W	e wish you all the best in your future	endeavora.
Date: 25/09/22		For TechnoFily Solutions
		MOT LA LOU
		(The second





RajaRajeswari College of Engineering

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074 Department of Master of Computer Applications

Students Internship Details 2022-23

		a a tration	Name of Collabarative Agency	Duration
USN	Name	Low cost grocery finder	TechCiti technologies private limited	20-10-2022 to 02- 12-2022
IRR21MC001	A Rajkumar	Application Covid care plasma	Dream Buzz	20-10-2012 to 02- 12-2022
1RR21MC002	Abhishek S	donation	Solutions	20-10-2022 to 27-
10031MC004	Amnutha S	Cloud Computing using VGRT Technology	Webblitz Software	11-2022
IRR21MC004	A sucha S	Cloud Computing using VGRT Technology	Webblitz software	11-2022
1RR21MC005	Anusna 5	eCommerce website Design using python with	Techciti Technologies Private	20-10-2022 to 02- 12-2022
1RR21MC006	Archana R Mulge	django Warehouse Item	Ennes 11 Dec	21-10-2022 to 26-
1RR21MC007	Ashish Krishna P	management	PepperTree.Al.Pvt	20-10-2022 to 27-
	Discourse G	Cloud Computing using VGRT Technology	Webblitz Software	11-2022
1RR21MC008	Bhayana G	Instant neuro Portal	Dream Buzz Solutions	20-10-2012 to02-12- 2022
IRR21MC009	Bhavya C	Instant news Portal	Dream Buzz Solutions	20-10-2012 to02-12- 2022
1RR21MC010	Bhavyashree V	Serving for starvation	TechCiti technologies private Limited	20-10-2022 to 02- 12-2022
IRR2IMC011	Chandana K L	Fee report of student management system in Java	Webblitz Software	20-10-2022 to 27- 11-2022
IRR2IMC012	Chandana N L	Fee report of student management system in Java	Webblitz Software	20-10-2022 to 27- 11-2022
TRRZIMCUIS		Sign learning application	Dream Buzz Solution	20-10-2012 to02-12 2022
IRR21MC014	Darshan P	Warehouse Item	PannerTree Al Pvt	21-10-2022 to 26- 11-2022
1RR21MC015	5 Deeraj C	Management	Wahhlitz software	20-10-2022 to 27- 11-2022
IRR21MC016	5 Dhanushree R S -	Cloud computing using	webbiliz software	20-10-2022 to 27-
IRR21MC01	7 Diana Jennifer S	vgrt technology	Dream Buzz	20-10-2012 to02-12
IRR21MC018	8 Faisal Pasha A	Instant news Portal	Solutions	2022
18821MC01	Gagan G R	Internet Banking Application	Technologies Private Limites	20-10-2022 to 02- 12-2022
100214000	Girish	Gym website portal	Svarks technology	20-10-2022 to 25- 11-2022
TRR2TMC02	Unacha M	Bus pass management	Dream Buzz Solutions	20-10-2012 to02-1 2022
IRR2IMC02	2 Harshavardhana R	Internet Banking Application	Techciti Technologies Privat	20-10-2022 to 02- 12-2022



RajaRajeswari College of Engineering



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#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074 Department of Master of Computer Applications

A STORE TO A		Limited		
		a di com placma	Dream Buzz	20-10-2012 to02-12- 2022
	How Either H N	donation	Solutions Dream Buzz	20-10-2012 to02-12-
IRR2IMC023	Harshitha H K	Covid care plasma	solutions	2022 20-10-2012 to02-12-
1RR21MC024	Harshitha P V	E Veterinary for Animal	Solution	2022
IRR21MC025	Jaishankar M	E Veterinary for Animal	Dream Buzz Solution	2022
IRR21MC026	Javeed Pasha	Solution Fee report of student	John	20-10-2022 to 27-
18821MC027	Javashree p nirolli	Java	webblitz software	20-10-2022 to 27-
TRR2TMC021		management system in	webblitz software	11-2022
1RR21MC028	Jyothi Ashok desai	Java	webblitz software	11-2022
1RR21MC029	Likhitha K B	Bitcoin price prediction	the coffware	20-10-2022 to 27- 11-2022
1RR21MC030	Madhu Srinivas M	Bitcoin price prediction	Dream Buzz	20-10-2012 to02-12- 2022
IRR2IMC031	MadhuKumar A P	Bus Ticket swapping	Solutions	20-10-2022 to 27-
IRR21MC032	Mahadevprasad H S	Bitcoin price prediction	webblitz software Dream Buzz	20-10-2012 to02-12-
IRR21MC033	Mallikarjun	Bus tickets Swapping	Solutions TechCiti	2022 20-10-2022 to 02-
	Marie C	Internet Banking Application	Limited.	12-2022
1RR21MC034	Manoj 3	Fee report of student management system in		20-10-2022 to 27- 11-2022
IRR2IMC035	Meghana R	Java	TechCiti Technologies Private	'20-10-2022 to 02-
18871MC036	Monika R	Online Banking System	Limited.	12-2022 20-10-2012 to02-12-
DR21MC037	Niranian R	Online bus reservation and swapping tickets system	Solutions	2022 21-10-2022 to 26-
IKR2IMC037	Missent B	Warehouse Item management	PepperTree.Al.Pvt	11-2022
RR2IMC038	(Visarge D	Fee report of student management system in	Webblitz software	20-10-2022 to 27- 11-2022
RR21MC039	Nischitha A P	Covid care plasma	Dream buzz solution	20-10-2012 to02-12- 2022
RR21MC040	Nischitha M	donation	syacks technology	20-10-2022 to 25- 11-2022
RR21MC041	Prasad H R Premanth Gowda T	online bus reservation and	Dream hurz solution	20-10-2012 to02-12- 2022
RR21MC042	S	Swapping tickets Covid care plasma	Dream been solution	20-10-2012 to02-12-
RR21MC043	Pushpalatha G	donation	Dream Buzz	20-10-2012 to02-12-
RR21MC044	Rahul R Bhat	Bus pass management Online Bus Reservation and Swapping Tickets	Dream Buzz	2022 20-10-2012 to02-12-





RajaRajeswari College of Engineering

	Department	of Master of Comp	PenperTree,AI.Pvt	21-10-2022 to 26- 11-2022 21-10-2022 to 26-
0001100046	Shraddha S	Management	PeoperTree,AI.Pv1	11-2022
DR21MC047	Shreya Prakash Hegde	Management	Techciti Technologies Private	20-10-2022 to 02-
KKEIMCOT		Internet Banking Application	Limited	20-10-2022 to 27-
1RR21MC048	Tilak H N	Approx	webblitz software	11-2024
1RR21MC049	Uday S N	Bitcoin price prediction Online Bus Reservation	p colution	20-10-2012 to02-12- 2022
	Varun R	and Swapping Treasure System	Dream Buzz solution	20-10-2012 to02-12- 2022
IRK2IMC050	Vidyasagar	Full stack web development	Dream Buzz acrum	31-10-2022 to 30- 10-2022
IRR2IMC057	Vinod Kumar G	python	Take it Smart	20-10-2022 to 27- 11-2022
1002114(0053	Yashaswini K S	Bitcoin price prediction	Webblitz soltware	20-10-2022 to 02- 12-2022
IRR2IMC054	Yathishwar B	Online Banking System	Dream Buzz	20-10-2012 to02-12 2022
10821MC055	Yogeesh D R		Solutions Dream Buzz	20-10-2012 to02-12 2022
1RR21MC056	Dhanush R	Sign learning application	Solutions	20-10-2022 to 27- 11-2022
IRR21MC058	Varshini S	Bltcoin price prediction	TechCiti	20-10-2022 to 02-
	Ponnapureddy Sal Sugandiswara	Serving for starvation	Limited	12-2022
IRR21MC059	Reddy	a in far starvation	technologies private Limited 6 Weeks	20-10-2022 to 02- 12-2022

Internship coordinator

Samt

HOD MCA

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK "

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

A RAJ KUMAR

(1RR21MC001)

Under the Guidance

Dr. ANNU SHARMA

Associate Professor Dept of MCA ,RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA FULL STACK ON LOW COST GROCERY FINDER APPLICATION" carried out by A RAJ KUMAR (IRR21MC001) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr. Annu Sharma Associate Professor Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2033PTC068461

D U-N-S No.: \$740 48298

No. 22 23 24 25:101, BNR Complex, J.P. Nagar, Bengaluru, Kamataka 560078. Landline 080 (162 8482 Email: support/inschaft.in Website: www.sechast.in.

Ref.No.TTPL/2022-2023/HRD/INT4918 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. A Raj Kumar (USN: 1RR21MC001) pursuing MCA from RajaRajeswari College of Engineering, Bangalore has successfully completed his internship with our company, he has been working on the project title: "Low Cost Grocery Finder Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self -starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors



Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT ON COVID CARE"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

ABHISHEK S

(1RR21MC002)

Under the Guidance of

Dr. Annu Sharma Associate. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

its is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON covid are" carried out by Abhishek S(1RR21MC002) student of "Rajarajeswari College of Engineering" in rtial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological niversity, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for e internal report have been approved as it is satisfying the academic requirements in respect of e Internship work prescribed for the said degree.

gnature of Guid or. Annu Sharma Assoc.Profesor Ocpt. of MCA

1.Bass

Signature of HOD Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Abhishek S (USN: IRR2IMC002 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P. Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards.

For DREAM BUZZ SOLUTIONS Gist inip PROPRIETOR

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"JAVA ON DATA SECURITY IN CLOUD COMPUTING USING VGRT METHODOLOGY"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

AMRUTHA S

(1RR21MC004)

Under the Guidance of

Dr. Annu Sharma

Associate, Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD. BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA ON DATA SECURITY IN CLOUD COMPUTING USING CGRT METHODOLOGY" carried out by AMRUTHA S (IRR21MC004) student of "Rajarajeswari Collegeof Engineering" in partial fulfillment of 3nd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Associate.Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



WEBBLITZ SOFTWARES

GSTIN: 29AYQPR1778L1ZB

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Anurutha S (Reg. No.- IRR21MC004) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"JAVA ON DATA SECURITY IN CLOUD COMPUTING USING VGRT METHODOLOGY"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

ANUSHA S

(1RR21MC005)

Under the Guidance of

Dr. Annu Sharma

Associate. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA ON DATA SECURITY IN CLOUD COMPUTING USING VGRT METHODOLOGY" carried out by ANUSHA S (IRR21MC005) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Associate Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



Certificate

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Anusha S (Reg No.- IRR21MC005) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Now 2022, under the guidance of Mr Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghaventer

2238, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar Ind Stage, Bargalom - 560 010. Website : https://www.webbitz.on.in / E-mail : hr@webbitz.co.in info@webbitz.co.in Ph : 7404844253

Internship Report on

"Software Development"

Submitted in partial fulfillment of the requirement

for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

of



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

by

STUDENT NAME

REGISTER NO

ARCHANA R MULGE

1RR21MC006

Under the guidance of

Dr. Annu Sharma

Associate Professor

Department of Computer Applications

RRCE, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi) RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



INTERNSHIP CERTIFICATE

This is to certify that the Internship work entitled "SOFTWARE DEVELOPMENT" carried out by ARCHANA R MULGE (IRR21MC006) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide





TechCiti Technologies Private Limited.

CIN: U72200KA2011PTC055461

D.L.N.S No.: 87 40 48298

No. 22 23 24 25:101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 080 4162 5482 Email supportificechetti.m Website: www.seelsentim.

Ref.No.TTPL/2022-2023/HRD/INT4845 Date: 06th December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Ms. Archana R Mulge (USN: IRR21MC006) pursuing MCA from RajaRajeswari College of Engineering, Bangalore has successfully completed her internship with our company, she has been working on the project title: "Website Design for E-Commerce Website" under the domain: Python with Django from 20-10-2022 to 03-12-2022 as "Software Developer-Intern".

We have found her to be a self -starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Warehouse Item Management(WIT)"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted By ASHISH KRISHNA P (1RR21MC007)

Under the Guidance of

Dr.Annu Sharma

Associate Professor Department of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Warehouse Item Management(WIT)" carried out by Ashish Krishna P (1RR20MC007) the student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

ure of Guide

Signature of HOD

Signature of External



PepperTree.Al Pvt.

CERTIFICATION OF COMPLETION

This Certifies that

ASHISH KRISHNA P (USN 1RR21MC007) RajaRajeswari college of engineering

Has successfully completed PepperTree.AI Pvt. Internship training program on Warehouse Item Management (WIM) as a FullStack Developer which was conducted From 21-10-2022 to 26-11-2022

The performance delivered during the program was good

Signed by Manunatha N S Reason certificate Location Bengaluru. India Date 27-Nov-2022 (03.07 PM)

Authorized signatory

GSTI no:29AALCP1737B1ZG

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi - 590018, Karnataka, India



Internship Report on

"JAVA TECHNOLOGY"

Submitted in partial fulfilment of the requirements of the 3rd Semester in

MASTER OF COMPUTER APPLICATIONS

Submitted By BHAVANA G (1RR21MC008)

Under the guidance of

Dr. Anno Sharma

Associate .Professor Department of Master of Computer Application Rajarajeswari College of Engineering, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING #14 Ramohalli Cross, Mysore Road Kumbalgodu, Bengaluru-560074(An ISO 9001-2008 Certified Institution) 2022-2023



Department of Master of Computer Applications

INTERNSHIP CERTIFICATE

This is to certify that **BHAVANA G** bearing USN:1RR21MC008, student of 3rd semester MCA has satisfactorily completed the internship entitled "JAVA **TECHNOLOGY**" in the academic year 2022-2023 as prescribed by VTU for 3rd Semester of Master of Computer Applications.

Signature of the guide

Dr. Annu Sharma Associate Professor

Dept of MCA

Signature of the HOD

Dr. T. Subburaju HOD

Dept of MCA

Signature of Principal

Dr. Balakrishna R Prof and Principal

RRCE, Bangalore

CERTIFICATE

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ma. Bhavana G (Reg 7100-1RS21MC008) student of "Rajarajeswari College Of Engineering", Bengchara has successfully completed her Internship on Java from WebHitz Software. Sector 30th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavandra O

During the internship, She was found to be tradewird towards the tasks assigned to her.

We wish her all the best and success in all Juttern endletwoors,

With Regards

2936, 1at Floor, MKK, Road, Near Kuvermu Metro Sistion, Rajajirager 2nd Steps, Bangalore - 860 510. Violatie : https://www.skillit.co.in / E-mail : hr@webbits.co.in infe@webbits.co.in Ph : 7406854263

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Bhavya C

(1RR21MC009)

Under the Guidance of Dr. Annu Sharma Associate. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON INSTANT NEWS" carried out by Bhavya C (IRR21MC009) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Associate. Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA

CERTIFICATE

Time is to certify the Mr/Ms. Bhavya C (USN: TRR21MC009 from Rajarajeswari College of Engineering Jlanglore) has isoccessfully completed the hueroshop on "Full stack web development" as part of course carriculant from 20/10/2022 to 02/12/2022 under the guidance of Suresh M.P. Dream Barg Solutions Mysara, (USTIN: 29GMXPS197011720)

During the internalisp work he she demonstrated good nethrical skills with a self-motivated initiale to learn new things. His Her performance exceeded expectations and was able to complete the internality successfully on time. We wish all the best for his her future endersors

Warm regards.

FOR DISLAM BUZZ SOLUTIONS.

DREAM BUZE

LUP Perimpertane

Suresh M P

Head of the company

Dated: 02/12/2022



VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, BELAGAVI



Internship Report on

"FULL STACK WEB DEVELOPMENT ON INSTANT NEWS"

Submitted in partial fulfillment of the requirements of the 3rd Semester in

MASTER OF COMPUTER APPLICATIONS

BY

Bhavyashree V

1RR21MC010

Under the guidance of

Dr. Annu Sharma

Associate. Prof Dept of MCA RRCE



RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution)

2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



INTERNSHIP CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON INSTANT NEWS" carried out by Bhavyashree V (IRR21MC010) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Associate. Prof Dept. of MCA Signature of HOD Dr. T Subburaj HOD Dept of MCA



CERTIFICATE

This is to certify that Mr/Ms. Bhavyashree V (USN: 1RR21MC010 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN: 29GMXPS1970L1ZR)

During the internship work heishe demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

Fer DREAM BUZZ SOLUTIONS

PROPRIETOR

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on Full Stack Web Development

"Serving For Starvation"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications Submitted by

> CHANDAN K (1RR21MC011)

Under the Guidance of Dr. Annu Sharma Associate Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING Mysore road. Bangalore-560074

(An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "SERVING FOR STARVATION" carried out by CHANDAN K(IRR21MC011) the student of "Raja Rajeswari College of Engineering" in partial fulfilment of 3^h semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signative of Guide Dr Annu Sharma Associate Professor Dept of MCA

Signature of HOD Dr Subbu Raju HOD Dept of MCA



TechCiti Technologies Private Limited. DEC-N-8 Nucl 87 40 48208

Ref.No.TTPL/2022-2023/HRD/INT4893 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Chandian K (USN: 1RR21MC011) parsing MCA from RajaRajeswari College of Engineering, Bangalore has successfully completed his intermbip with our company, be has been working on the project title: "Serving for Starvation" under the domain. Full Stack Web development from 20-10-2022in 02-12-2022 as "Software Developer Intern".

We have found him to be a self-starter who is more and, dury-bound and hardworking. He has worked succerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Human Resources Department

Techt'iti Technologies Private Limited.

Registered office: No. 22212429.000. BSB Complex. J.P. Nami 70 Proc. Recording. Records, 200576 Landline: 10014102.0007 Email: approximation in Web scenession.com

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

CHANDANA K L

(1RR21MC012)

Under the Guidance of

Dr. Annu Sharma

Assoc. Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by CHANDANA K L (IRR21MC012) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Assoc.Prof. Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA


Certificate

GSTIN: 29AYOPR1778L1ZB

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Chandana K L (Reg No:- 1RR21MC012) student "Rajarajeswari College Of Engineering", Bangalore has successfully of completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr. Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghav endra O

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

CHANDANA N L

(1RR21MC013)

Under the Guidance of

Dr. Annu Sharma Assoc. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by CHANDANA N L (IRR21MC013) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3nd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Assoc.Prof. Dept. of MCA Signature of HOD Dr. T Subburaj HOD

Dept. of MCA

GSTIN: 29AYQPR1778L1ZB

WEBBLITZ SOFTWARE

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Chandana N L (Reg No:- 1RR21MC013)</u> student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT ON SIGN LEARNING APPLICATION"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Darshan P

(1RR21MC014)

Under the Guidance of

Dr. Annu Sharma

Associate. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON SIGN LEARNING APPLICATION" carried out by Darshan P (IRR21MC014) student of "Rajarajeswari College of Engineering" in partial fulfillmentof 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. Annu Sharma Associate Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Darshan P (USN: 1RR21MC014 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he\she demonstrated good technical skills with a self-motivated attitude to learn new things. His\Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his\her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

Sugh + P PROPRIETOR

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz.in info@dreambuzz.in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Warehouse Item Management(WIT)"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by DEERAJ C (IRR21MC015)

Under the Guidance of

Dr.Annu Sharma Associate Professor Department of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution)

2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Warehouse Item Management(WIT)" carried out by Deeraj C (1RR20MC015) the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide

Signature of HOD

Signature of External



PepperTree.AI Pvt.

PepperTree.Al



This certificates that

DEERAJ C (USN : 1RR21MC015) RajaRajeswari college of engineering

Has successfully completed PepperTree.AI Pvt. Internship raining program on Warehouse Item Management (WIM) as a FullStack Developer which was conducted From 21-10-2022 to 26-11-2022

The performance delivered during the program was good

Signed by Manjunatha N S Reason certificate Location Bengaluru, India Date: 27-Nov-2022 (03.07 PM)

Authorized signatory

GSTI no:29AALCP1737B1ZG

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO

DHANUSHREE R S

1RR21MC016

Under the guidance of

Dr. Annu Sharma

Associate Professor

Department of Computer Applications

RRCE, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

DHANUSHREE R S

1RR21MC016

During the academic year 2022 - 2023

Internal Guide

Dr. Annu Sharma Associate Professor

Head of the Department

Dr. Subburaju Professor/HOD

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Dhanushree RS (Reg No:-1RR21MC016)</u> student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on python from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr. Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghave



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406864253



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"JAVA ON DATA SECURITY IN CLOUD COMPUTING USING VGRT METHODOLOGY"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

DIANA JENNIFER.S

(1RR21MC017)

Under the Guidance of

PROF.DEEPA K.R

Associate. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA ON DATA SECURITY IN CLOUD COMPUTING USING CGRT METHODOLOGY" carried out by DIANA JENNIFER.S (IRR2IMC017) student of "Rajarajeswari Collegeof Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Prof Deepa K.R. Associate Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



GSTIN: 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Diana Jennifer, S (Reg Nor- IRR21MC017)</u> student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her

We wish her all the best and success in all future endeavoury.

With Regards

2534, 1st Floor, MICK Road, Near Kuvempu Metro Station, Rajajinapar 2nd Stage, Gangatore - 860 010. Website : https://www.webbilitz.co.in /E-mail : https://webbitz.co.in /https://www.webbilitz.co.in /Fit:7406244263

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Faisal Pasha A

(1RR21MC018)

Under the Guidance of

Deepa K R

Assistant. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" carried out by Faisal Pasha A (IRR21MC018) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3nd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Guide Signator

Deepa K R Assistant. Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Faisal Pasha A (USN: IRR2IMC018 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz.in info@dreambuzz.in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"JAVA FULL STACK ON INTERNET BANKING APPLIACTION"

Submitted in partial fulfiliment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Gagan GR

(1RR21MC019)

Under the Guidance of

Mrs. Deepa KR

Assistant. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Internet Banking Application" carried out by GAGAN GR (IRR21MC019) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Prof Deepa R Assistant. Prof Dept. of MCA

1.Brand Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA201 #PTC068461

D-U-N-S No.2 87 40 48298

No. 22/23/24/25/101, BNR Complex, LP, Nagar, Bengalaru, Karnataka 500078. Landline 080/4162/8482 Email apportification in Website: www.soficiti.m.

Ref.No.TTP1/2022-2023/HRD/INT4879

Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Gagan GR (USN: 1RR21MC019) pursuing MCA from RajaRajeswari College of Engineering, Bangalore has successfully completed his internship with our company, he has been working on the project title: "Internet Banking Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self-starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Manager

Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Backend Developer on GYM WEBSITE PORTAL"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

GIRISH

(1RR21MC020)

Under the Guidance of

DEEPA K R

Asst. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "BACKEND DEVELOPER ON GYM WEBSITE PORTAL" carried out by GIRISH (IRR21MC020) student of "RajarajeswariCollege of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree

Signature of Guide

Deepa K R Asst.professor Dept. of MCA

Signature of HOD Dr. T Subburaj HOD Dept. of MCA



Ref: SVARKS/HR/Intern/2022

Nov 25th 2022

TO WHOM IT MAY CONCERN

Dear, Girish

Sub: Internship completion Letter

We are pleased to inform you Internship is completed as Backend Developer in our organization located at #36, 5th Cross Kalidasa layout, Srinagar, Bangalore-560050.

Girish with USN: 17R21MC020 3rd Sem Master of Computer Application, student from Rajarajeswari college of Engineering, Bangalore has successfully completed one month internship from oct 20th 2022 to Nov 25th 2022.

This training period with our company will entail dealing with the important and sensitive information records, and such other matters of the company. They will, therefore, be required to a sign "Code of Conduct and Secrecy Agreement" of our company on the first day of training.

We congratulate you for internship completion and wish you a long and successful career. We

assure you of our support for your professional development and growth.



Assistant Manager - Human Resources,

SVARKS Technologies and IT Solution

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Internship Report on

"FULL STACK WEB DEVELOPMENT ON BUS PASS MANAGEMENT"

Submitted in partial fulfilment of the requirements of the 3rd Semester in

MASTER OF COMPUTER APPLICATIONS

BY

Harsha M

1RR21MC021

Under the guidance of

Prof. Deepa K R

Associate. Prof

Dept of MCA RRCE

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU MYSORE ROAD, BANGALORE-560074



(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



INTERNSHIP CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON BUSS PASS MANAGEMENT" carried out by Harsha M (IRR21MC021) student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Prof. Deepa K R Dept. of MCA

Signature of HOD Dr. T Subburaj HOD, Dept.of MCA



CERTIFICATE

This is to cettify that Mr/Ms. Harsha M (USN: 1RR21MC021 from Rajarajeswari College of Engineering .Banglore) has successfully completed the Internship on "Full stack web development" as part of coarse corriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M.P. Dicam Buzz Solutions Mysurii (GS11N - 29GMXPS1920E1ZR)

During the internship work be she demonstrated good technical skills with a self-monivated attitude to learn new things. His Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his her future endeavors.

Warm regards.

For DREAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK "

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Harshavardhana R

(IRR21MC022)

Under the Guidance of

Prof. Deepa K R Assistant. Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Internet Banking Application" carried out by Harshavardhana R (IRR21MC022) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Guide Signature

Prof. Deepa K R Assistant. Prof Dept. of MCA

1 mars

Signature of HOD Dr. T Subburaj Dept. of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461

D-U-N-S No.: 87 40 18298

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landbue: 080 4162 8482 Email: <u>supportificthealin</u> Webster: <u>www.sechcitt.in</u>.

Ref.No. TTPL/2022-2023/HRD/INT4920 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Harshavardhana R (USN: 1RR21MC022) pursuing MCA from RajaRajeswari College of Engineering. Bangalore has successfully completed his internship with our company, he has been working on the project title: "Internet Banking Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self -starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Manager Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Harshitha H N

(1RR21MC023)

Under the Guidance of

Deepa K R

Assistant. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON COVID CARE" carried out by Harshitha H N (IRR21MC023) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Deepa K R Assistant. Prof Dept. of MCA

1.8000 Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Harshitha H N (USN: IRR21MC023 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Saresh M P, Dream Buzz Solutions Mysura. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors.

Warm regards,

For DREAM BUZZ SOLUTIONS

Sof M'P PROPRIETON

Suresh M P Head of the company

Dated: 02/12/2022



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT ON COVID CARE"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Harshitha P V

(1RR21MC024)

Under the Guidance of

Deepa K R Assistant. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON covid care" carried out by Harshitha P V (IRR21MC024) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Deepa K R Asst. Professor Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA


CERTIFICATE

This is to certify that Mr/Ms. Harshitha P V (USN: 1RR21MC024 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P. Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

Sush mp PROPRIETOR

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Jai Shankar M

(1RR21MC025)

Under the Guidance of

Deepa K R

Assistant, Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" carried out by Jai Shankar M (IRR21MC025) student of "Rajarajeswari College of Engineering in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal repor have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Guide Signatu

Deepa K R Assistant. Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Jaishankar M (USN: 1RR21MC025 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Javeed Pasha

(IRR21MC026)

Under the Guidance of

Deepa K R

Assistant. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD. BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" carried out by Javeed Pasha (IRR21MC026) student of "Rajarajeswari College of Engineering in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Deepa K R Assistant. Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Javeed pasha (USN: IRR21MC026 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS19701.1ZR)

During the internship work helshe demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards.

For DREAM BUZZ SOLUTIONS

MOPRIETOR

Suresh M P Head of the company

Dated: 02/12/2022



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

JAYASHREE P N

(1RR21MC027)

Under the Guidance of

DEEPA K R

Asst. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by JAYASHREE P N (IRR21MC027) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3^{nt} semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements respect of the Internship work prescribed for the said degree.

Signature of Guide

Deepa K R Asst.professor Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms</u>. Jayashree <u>P Nirolli</u> (Reg No:- 1RR21MC027) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

JYOTI A DESAI

(1RR21MC028)

Under the Guidance of

DEEPA K R Asst. Professor Dept of MCA

RRCE.



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by JYOTI A DESAI (1RR21MC028) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements respect of the Internship work prescribed for the said degree.

Signature of Guide

Deepa K R Asst.professor Dept. of MCA

15072 Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



Certificate

WEBBLITZ SOFT

GSTIN: 29AYQPR1778L1ZB

Subject: - Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Jyoti A Desai (Reg No:- 1RR21MC028)</u>_student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards DIL Raghavendra G

2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalom - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

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Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO

LIKHITHA K B

1RR21MC029

Under the guidance of

Prof. Deepa K R Assistant Professor

Department of Computer Applications



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

LIKHITHA K B

Registration No

1RR21MC029

During the academic year 2022-2023

Guide

Prof. Deepa K R Assistant Professor

Head of the Department

Dr. Subburaju Professor/HOD

GSTIN : 29AYOPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject - Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Likhtfhu K B (Reg No:- IRR21MC029) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internahip on python from Webthinz Softwares from 20" Get 2022 to 27" Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards

w Station, Rejspregar 2nd Stay # 2024, Ivel Please, MAX Read, Mean Hurse TABBABASSS a. 6a



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Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO

MADHUSRINIVAS M

1RR21MC030

Under the guidance of

Prof. Deepa K R Assistant Professor

Department of Computer Applications

RRCE, Bangalore

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

MADHUSRINIVAS M

1RR21MC030

During the academic year 2022 - 2023

Prof. Deepa K R Assistant Professor

Head of the Department

Dr. Subburaju Professor/HOD



Certificate

WEBBLITZ SOFTWARE

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Mr. Madhu Srinivas M</u> (Reg No:- 1RR21MC030) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed his Internship on python from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards



GSTIN: 29AYOPR1778L1ZB

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Madhukumar AP(1RR21MC031)

Under the Guidance of Mrs. Deepa K R Asst. Professor Dept of MCA



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions" carried out by Madhukumar AP(1RR21MC031) the student of "Rajarajeswari College of Engineering" in partial fulfillment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide

Mrs. Deepa KR Asst. Professor Dept. of MCA

Signature of HOD

Dr.T Subburaj Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Madhukumar A P (USN: 1RR21MC031 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN: 29GMXPS1970L1ZR)

During the internship work he\she demonstrated good technical skills with a selfmotivated attitude to learn new things. His\Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his\her future endeavors

Warm regards,

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Drea mbuzz.in info@dreambu

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO

MAHADEV PRASAD H S

1RR21MC032

Under the guidance of

Dr. Subburaju

HOD of Dept. of MCA

Department of Computer Applications



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

MAHADEV PRASAD H S

1RR21MC032

During the academic year 2022 - 2023

Internal Guide

Dr. Subburaju Professor/HOD

Head of the Department

Dr. Subburaju Professor/HOD

WEBBLITZ SOFTWARES

GSTIN : 29AYOPR17/BLIER

Certificate

Subject - Internship Completion Certificate

Dear sir/Madam

This is to certify that Mr Mahades pravad HS (Reg No - IRR21MC032) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed his Internship on python from WebBlatz Nottwares from 20" Oct 2022 to 27" Nov 2022, under the guidance of Mr Raghavendra G

During the internship. He was found to be dedicated towards the tasks assigned to him

We wish him all the best and success in all future endeavours

With Regards

2938, 1at Please, MKX Road, Maser Kurverngru Metro Station, Rajajinagar 2nd Stage, Bangalore - \$40 015. Website Johns Research antibility on m / E-mail : he@webbitty on in orfo@webbitty on in Ph : 7406844253

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Mallikarjun (1RR21MC033)

Under the Guidance of

Dr. T subbaraju Asst. ProfessorDept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions- carried out by Mallikarjun BY (IRR21MC033) the student of "Rajarajeswari College of Engineering" in partial fulfillment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Marrie Signature of Guide

Dr.T Subburaj Asst. Professor Dept. of MCA

Signature of HOD

Dr.T Subburaj Asst. Professor Dept. of MCA

CERTIFICATE

This is to certify that Mr/Ms. Mallikarjun B Y (USN: 1RR21MC033 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he\she demonstrated good technical skills with a selfmotivated attitude to learn new things. His\Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his\her future endeavors

Warm regards,

Suresh M P

Head of the company

DREAM BUZZ

Dated: 02/12/2022

+91 88846 44589 Drea mbuzz.in info@dreambu

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK "

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

MANOJ S

(1RR21MC034)

Under the Guidance

Dr. T. SUBBURAJ

HOD Dept of MCA ,RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA FULL STACK ON INTERNET BANKING" carried out by MANOJ S (IRR21MC034) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr. T Subburaj HOD Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461 B-U.N-S Nu: 87 40 48298

No. 22 23 24 25 101, BNR Complex, J.P. Negar, Bengehru, Kamanda 500078. Landline: 060 4182 5452 Fanali: supportilizednetiin: Website: www.iechentiin.

Ref.No.TTP1/2022-2023/HRD/INT4900 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Manoj S (USN: 1RR21MC034) pursuing MCA from RajaRajeswari College of Engineering. Bangalore has successfully completed his internship with our company, he has been working on the project title: "Internet Banking Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self -starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence

We wish him all the best for his future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

MEGHANA R

(1RR21MC035)

Under the Guidance of

DR.T SUBBURAJ HOD, Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by MEGHANA R (IRR21MC035) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections or suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

(Sm)

Signature of Guide Dr.T Subburaj HOD Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Meghana R (Reg No:- 1RR21MC035)</u> student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghavenura



2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in Info@webblitz.co.in Ph : 7405884253



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK "

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

MONIKA R

(1RR21MC036)

Under the Guidance

Dr. T Subburaj

HOD Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA FULL STACK ON INTERNET BANKING" carried out by MONIKA R (IRR21MC036) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr. T Subburaj Dept of MCA

Signature of HOD Dr. T Subburaj HOD Dept. of MCA


TechCiti Technologies Private Limited.

CIN: 1172200KA2013PTC068468

D-U-N-S No.1 87 40 48299

No. 22 23 24 25 101, BNR Complex, J.P. Nagat, Bergalam, Kamataka 500078, Landline 100 4152 8452 Email: <u>superint tackets in</u> Website: <u>www.incbettan.</u>

Ref.No.TTPL/2022-2025/HRD/INT4879 Dute: 02=4 December, 2022

TO WHOMSOFVER IT MAY CONCERN

We would like to inform you that Ms. Monika R (USN: 1RR21MC036) pursuing MCA from RajaRajeswari College of Engineering. Bangalore has successfully completed her intenship with our company, she has been working on the project title: "Internet Banking Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.

Registered office: No. 22 21 24 25 (10), BNR Congley, LP. Napar 7th Phase, Bengston, Karnanka 560078, Lindline 080 4562 8482 Email: appentitischem av Web: <u>www.inchem.in</u>

Jnana Sangama, Belagavi 590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

NIRANJAN R (IRR21MC037)

Under the Guidance of

Dr. T subbaraj

HOD Dept

of

MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions" carried out by NIRANJAN R (IRR21MC037), the student of "Rajarajeswari College of

Engineering" in partial fulfilment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

APPA Signature of Guide Dr.T Subbaraj HOD Dept. of MCA

Signature of HOD Dr.T Subbaraj HOD Dept. of MCA

CERTIFICATE

This is is criticly that Mr/Ms. Niranjan R (USN: TRR21MC037 from Rajarajeswari College of Engineering (Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P. Dream Bazz Solutions Mysum (GSTIN - 29GMXPS1970L1ZR)

During the internship work he she demonstrated pool technical skills with a self-more and attitude to learn new things. Highlier performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his her future endercore

Warm regords.

OREAM BUZZ

For DREAM BUCT COLUMNES

and they PADPAIETCA

Suresh M P Head of the company

Dated: 02/12/2022

+91 85840 44689 Dreambuzz in info@dreambuzz in Vijayanagar Zod Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Warehouse Item Management(WIT)"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted By NISARGA B (1RR21MC038)

Under the Guidance of

Dr.Subburaju T

Head of Department Department of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Warehouse Item Management(WIT)" carried out by Nisarga B (IRR20MC038) the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of External

Signature of Guide

Signature of HOD



PepperTree.AI Pvt.

CERTIFICATION OF COMPLETION

This Certifies that

NISARGA B (USN 1RR21MC038) RajaRajeswari college of engineering

Has successfully completed PepperTree.AI Pvt. Internship training program on Warehouse Item Management (WIM) as a FullStack Developer which was conducted From 21-10-2022 to 26-11-2022

The performance delivered during the program was good



Authorized signatory

GSTI no:29AALCP1737B1ZG

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

NISCHITHA A P

(IRR21MC039)

Under the Guidance of

DR.T SUBBURAJ HOD, Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD. BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FEE REPORT OF STUDENT MANAGEMENT SYSTEM USING JAVA" carried out by Nischitha A P (1RR21MC039) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections or suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr.T Subburaj HOD Dept. of MCA Signature of HOD Dr. T Subburaj HOD Dept. of MCA

am



WEBBLITZ SOFTWARES

GSTIN: 29AYQPR1778L1ZB

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Ms. Nischitha A P</u> (Reg No:- IRR21MC039) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards



2838, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webblitz.co.in / E-mail : hr@webblitz.co.in info@webblitz.co.in Ph : 7406884253

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Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT ON COVID-19 PLASMA DONATOR"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Nischitha M

(IRR21MC040)

Under the Guidance

Subburaj sir Head Of Department Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON covid care" carried out by NISCHITHA -M (IRR21MC040) student of "Rajarajeswari College of Engineering" inpartial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the

internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Dr. T. Subburaj HOD Dept Of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Nischitha M (USN: 1RR21MC040 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 21/10/2022 to 26/11/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru.

During the internship work heishe demonstrated good technical skills with a self-motivated attitude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,



Suresh M P Head of the company

Dated: 26/11/2022



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Backend Developer on GYM WEBSITE PORTAL"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

PRASAD H R

(1RR21MC041)

Under the Guidance of

DR.T SUBBURAJ HOD, Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "BACKEND DEVELOPER ON GYM WEBSITE PORTAL" carried out by Prasad HR(1RR21MC041) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that allcorrections or suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr.T Subburai HOD Dept of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



Ref: SVA#85/HR/Intern/2022

Nov 25th 2022

TO WHOM IT MAY CONCERN

Dear, Prasad HR

Sub: Internship completion Letter

We are pleased to inform you internship is completed as Backend Developer in our organization

located at #36, 5th Cross Kalidaua layout, Stiniagar, Bangaloro 560050.

Prasad with USN: 18921MCO41 and Sem Master of Computer Application, student from Reprojectives college of Engineering, Bangatore has successfully completed and month internship from oct 20th 2022 to Nov 25th 2022.

This training period with our company will entail dealing with the important and sensitive information records, and such other matters of the company. They will, therefore, be recurred to a sign. "Code of Conduct and Secrety Agreement" of our company on the first day of training.

We congradulate you for internation completion and wish you a long and successful carpor. We

assure you of our support for your professional development and growth.

Artenn Jacob (

Assistant Manager - Human Resources,

SVARKS Technologies and IT Solution

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Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

PREMANTH GOWDA TS (1RR21MC042)

Under the Guidance of

Dr. T subbaraj

HOD Dept

of

MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution)

(Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions" carried out by PREMANTH GOWDA TS (IRR21MC042), the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Dr.T Subbarai HOD Dept. of MCA

1 pm F

Signature of HOD Dr.T Subbaraj HOD Dept. of MCA

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Pushpalatha.G

(1RR21MC043)

Under the Guidance of

Dr.Subburaj.T

Asst. Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON COVID CARE" carried out by Pushpalatha.G (IRR21MC043) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr.T.Subburaj HOD

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA

Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Pushpalatha G (USN: 1RR21MC043 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN: 29GMXPS1970L1ZR)

During the internship work he'she demonstrated good technical skills with a self-motivated attitude to learn new things. His'Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his her future endeavors complete the internship successfully on time.

Warm regards,

For DREAM BUZZ SOLUTIONS

Pestim p PROPRIETOR

Suresh M P Head of the company Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI



Internship Report on

"FULL STACK WEB DEVELOPMENT ON BUS PASS MANAGEMENT"

Submitted in partial fulfilment of the requirements of the 3rd Semester in

MASTER OF COMPUTER APPLICATIONS

BY

Rahul R Bhat

1RR21MC044

Under the guidance of

Dr. T Subburaj

HOD

Dept of MCA RRCE

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU MYSORE ROAD, BANGALORE-560074



(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



INTERNSHIP CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT ON BUSS PASS MANAGEMENT" carried out by Rahul R Bhat (1RR21MC044) student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Dr. T Subburaj HOD Dept. of MCA Signature of HOD

Dr. T Subburaj HOD Dept.of MCA

CERTIFICATE

This is to certify that Mr/Ms, Rahul R Bhat (USN: 1RR21MC044 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20:10/2022 to 02:12:2022 under the guidance of Suresh M.P. Dream Buzz Solutions Mysuru (GSTIN - 29GMXPS19701 1ZR)

During the internship work he she demonstrated good technical skills with a self-motivated anitude to learn new things. His Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his her future endeavors.

Warm regards.

DREAM BUT

For DREAM BUTZ STOLITIONS LAP

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Rohith K R(1RR21MC045)

Under the Guidance of

Dr. T Subburaj HOD of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions" carried out by Rohith K R(1RR21MC045) the student of "Rajarajeswari College of Engineering" in partial fulfillment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

6 Signature of Guide

Dr.T Subburaj Professor Dept. of MCA

Signature of HOD

Dr.T Subburaj Professor Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Bohith K B (USN IRB&IMCO48 from Bajarajeswari Gallege of Engineering ,Banglore) has successfully completes the Internship on "Pull stack web development" as part of course curriculum from 20/10/2020 to 02/12/2020 under the guinance of Barwin Mr. Dream Burn Solutions Mysura Martin 2000 X2721070L1270

During the internabile work betahe demonstrated good technical skills with a add motivated attitude to learn new things Histoire performance exceeded expectations and was able to complete the internabile successfully on time. We wish all the pest for hinter future endedwore

Warm regards,

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Drekminuzzin Info@areambuzzin Vijayknägår lind Shäge

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Warehouse Item Management(WIT)"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by SHRADDHA S (1RR21MC046)

Under the Guidance of

Prof.Priyanka V.Gudada

Asst.Proffessor Department of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Warehouse Item Management(WIT)" carried out by Shraddha S (1RR20MC046) the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide

Signature of HOD

Signature of External



PepperTree.AI Pvt.

PepperTree.Al

CERTIFICATION OF COMPLETION

This Certifies that

SHRADDHA S

(USN 1RR21MC046) RajaRajeswari college of engineering

Has successfully completed PepperTree.AI Pvt. Internship training program on Warehouse Item Management (WIM) as a FullStack Developer which was conducted From 21-10-2022 to 26-11-2022

The performance delivered during the program was good

Sign Depetty Hargeratha II 1 Reason sectionale Learner Bergater, min Dam 27 Ner 2022 (2) 07 Her.

Authorized signatory

GSTI no: 29AALCP1737B1ZG

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Warehouse Item Management(WIT)"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by SHREYA PRAKASH HEGDE (IRR21MC047)

Under the Guidance of

Prof. Priyanka V.Gudada

Asst.Proffessor Department of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution)

2022-2023

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Warehouse Item Management(WIT)" carried out by Shreya Prakash Hegde (IRR20MC047) the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide

4

Signature of HOD

Signature of External





PepperTree.Al Pvt.

CERTIFICATION OF COMPLETION

This Certifies that

SHREYA PRAKASH HEGDE (USN 1RR21MC047) RajaRajeswari college of engineering

Has successfully completed PepperTree.AI Pvt. Internship training program on Warehouse Item Management (WIM) as a FullStack Developer which was conducted From 21-10-2022 to 26-11-2022

The performance delivered during the program was good

Sign Signathy Margaratha N 1 Response vertilisate Landor Bergebra Irela Data 27-504-2022 (0) 07 PM

Authorized signatory

GSTI no:29AALCP1737B1ZG

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK ON INTERNET BANKING APPLICATION"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Tilak HN

(1RR21MC048)

Under the Guidance of

Prof. Priyanka VG

Assistant. Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Internet Banking Application" arried out by Tilak HN (IRR2IMC048) student of "Rajarajeswari College of Engineering" in partial ulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, telgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal eport have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

all Signature of Guide Prof Priyanka VG Assistant. Prof Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461

D-U-N-S No.: 87 40 48298

No. 22 23 24 25 101, BNR Complex, J.P. Nagar, Bengahiru, Karnataka 560078. Landline: 080-4162 8482 Email: <u>support/techcin.in</u> Website: <u>www.lachatit.in</u>.

Ref.No. TTP1/2022-2023/HRD/INT4878 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Tilak H N (USN: 1RR21MC048) pursuing MCA from RajaRajeswari College of Engineering. Bangalore has successfully completed his internship with our company, he has been working on the project title: "Internet Banking Application" under the domain. Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.
Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO

UDAY S N

1RR21MC049

Under the guidance of

Prof. Priyanka V Assistant Professor

Department of Computer Applications

RRCE, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

UDAY SN

1RR21MC049

During the academic year 2022 - 2023

Internal Guide

Prof. Priyanka V Assistant Professor

Head of the Department

Dr. Subburaju Professor/HOD

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that <u>Mr. Uday S N (Reg No:- IRR21MC049)</u> student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed his **Internship on python** from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, He was found to be dedicated towards the tasks assigned to him.

We wish him all the best and success in all future endeavours.

With Regards



2536, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010. Website : https://www.webbiitz.co.in / E-mail : hrgwebbiitz.co.in info@webbiitz.co.in Ph : 7406884253



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

VARUN R (1RR21MC050)

Under the Guidance of

Priyanka gudada Asst prof

Dept of

MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions" carried out VARUN R (IRR21MC050), the student of "Rajarajeswari College of Engineering" in partial fulfilment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Priyanka gudada Asst prof Dept. of MCA

6

Signature of HOD Dr.T Subbaraj HOD Dept. of MCA

CERTIFICATE

This is to certify that Mr/Ms. Varun R (USN: 1RR21MC050 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN: 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated anitade to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

DREAM BUZZ

For DREAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz.in info@dreambuzz.in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Full Stack Web development"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Vidyasagar (1RR21MC051)

Under the Guidance of

Priyanka gudada Asst. ProfessorDept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD. BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "Dream Buzz Solutions- carried out by Vidyasagar (1RR21MC051) the student of "Rajarajeswari College of Engineering" in partial fulfillment of 3th semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Privanka gudada Asst. Professor Dept. of MCA

Som

Signature of HOD Dr.T Subbaraj HOD and Professor Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Vidyasagar (USN: IRR21MC051 from Rajarajeswari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P. Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he\she demonstrated good technical skills with a self-motivated attitude to learn new things. His\Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his\her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022

+91 88846 44589 Dreambuzz in info@dreambuzz in Vijayanagar 2nd Stage

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on Machine Learning Using Python

"Prediction of Home Price"

Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications Submitted by

VINOD KUMAR G (IRR21MC052)

Under the Guidance of Priyanka V Gudada Associate Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled -PREDICTION OF HOME PRICE- carried out by VINOD KUMAR G(IRR21MC052) the student of "Raja Rajeswari College of Engineering" in partial fulfilment of 3^h semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Priyanka V Gudada Associate Professor Dept of MCA

Signature of HOD Dr. T. Subburaj HOD Dept of MCA



#startupindia

Mallikarjun Kumbar Director

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME YASHASWINI K S

REGISTER NO

1RR21MC053

Under the guidance of

Prof. Priyanka V Assistant Professor

Department of Computer Applications

RRCE, Bangalore



RAJARAJESWARI COLLEGE OF ENGINEERING (Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

YASHASWINI K S

1RR21MC053

During the academic year 2022 - 2023

Internal Guide

Prof. Priyanka V Assistant Professor

Head of the Department

Dr. Subburaju Professor/HOD



GSTIN : 28AYOPR1778L128 VEBBLITZ SOFTWARES

Certificate

Subject - Internship Completion Certificate

Dear sin Madam

This is to certify that Ms. Yasharasini K S (Reg No- IRR21MC053) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on python from Webillitz Softwares from 20" Oct. 3022 to 27" Nov 2022 under the guidance of Mr.Raghavenitra G

During the interviship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghavendra G

2504, 1st Pleor, MKK Rosel, Near Russempu Metro Station, Rajsjinagar 2nd Stage, Bar Hebsile : https://www.webblits.co.in / E-mail : https://webblits.co.in info@webblits.co.in - 885-915



Scanned with OKEN Scanner

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

" JAVA FULL STACK "

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

YATHISHWAR B

(1RR21MC054)

Under the Guidance

Prof. Priyanka V Gudada

Assistant Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "JAVA FULL STACK ON INTERNET BANKING" carried out by YATHISHWAR B (IRR21MC054) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Priyanka V G Asst Prof. Dept of MCA

Signature of HOD Dr. T Subburaj HOD Dept. of MCA



TechCiti Technologies Private Limited.

CKN: 1/7220886 A.Not 19732 Inchien1

D-11-N-N No.: 87 40 48298

No. 22 23 24 25/101, DDOR Complex, J.P. Nagar, Bongalura, Kamanaka 500078, Landline 100 4162 8482 Kmoll suggestizationhilitat. Woheller scienciachicitat.

Ref.Nn. TTP1/2022-2023/HRD/INT4886 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Yathishwar B (USN: IRR21MC054) pursuing MCA from RajaRajeswari Cullege of Engineering. Bangalore has successfully completed his internship with our company, he has been working on the project title. "Internet Banking Application" under the domain: Java from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self-starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.

Registered office: No. 22.23.24.25:101, BNR Complex, J.P. Nagar 7th Phase, Hengidure, Karnatuka 560078. Landline: 080-4162-8482 Email: supportatechem.in: Web: www.techem.in

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

Yogeesh D R

(1RR21MC055)

Under the Guidance of

Priyanka V Gudada

Assistant. Professor Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" carried out by Yogeesh D R (IRR21MC055) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide Priyanka V Gudada Assistant. Prof

Dept. of MCA

Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

Data is to cettify that Mr/Ms. Yugeesh D R (USN: IRR21MC055 from Rajarajeswari College of Engineering "Banglore) has successfully completed the Internship on "Full stack web development" as part of course carriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P. Dream Buzz Solutions Mysura. (GSTIN: 29GMXPS1970L1ZR)

During the internship work he/she demonstrated good technical skills with a self-motivated attinude to learn new things. His/Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

For DREAM BUZZ SOLUTIONS

FIGH M.P

Suresh M P Head of the company

Dated: 02/12/2022



Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"FULL STACK WEB DEVELOPMENT"

Submitted in partial fulfillment of the requirements for the award of the degree of

Master of Computer Applications

Submitted by

DHANUSH R

(1RR21MC056)

Under the Guidance of

Priyanka V Gudada

Assistant. Professor

Dept of MCA

RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD. BANGALORE-560074 (An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" carried out by Dhanush R (IRR21MC056) student of "Rajarajeswari College of Engineering" in partial fulfillment of 3^{nt} semester Master of Computer Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal report have been approved as it is satisfying the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of Guide

Priyanka V Gudada Assistant, Prof Dept. of MCA

1.80 Signature of HOD

Dr. T Subburaj HOD Dept. of MCA



CERTIFICATE

This is to certify that Mr/Ms. Dhanush R (USN: IRR21MC056 from Rajarajerwari College of Engineering ,Banglore) has successfully completed the Internship on "Full stack web development" as part of course curriculum from 20/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZR)

During the internship work he'she demonstrated good technical skills with a self-motivated attitude to learn new things. His'Her performance exceeded expectations and was able to complete the internship successfully on time. We wish all the best for his/her future endeavors

Warm regards,

Tor DALLAM BUZZ SOLUTIONS

Suresh M P Head of the company

Dated: 02/12/2022





Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

"Software Developer Intern - Python with Django"

Submitted in partial fulfillment of the requirement for the award of the degree

MASTERS OF COMPUTER APPLICATIONS

Submitted by

STUDENT NAME

REGISTER NO 1RR21MC058

VARSHINI S

Under the guidance of

Prof. Priyanka V Assistant Professor

Department of Computer Applications



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University Belagavi)

Department of

Master of Computer Applications



CERTIFICATE

This is to certify that the project entitled

"Bitcoin Prediction using Machine Learning" Submitted in partial fulfillment of the requirement of

Masters of Computer Application

Submitted by

Student Name

Registration No

VARSHINI S

1RR21MC058

During the academic year 2022 - 2023

Internal Guide

Prof. Priyanka V Assistant Professor

Head of the Department

Dr. Subburaju Professor/HOD



GSTIN : 29AYQPR1778L1ZB



Certificate

Subject: - Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. <u>Vurshini S</u> (Reg No:- 1RR21MC058) student of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on python from WebBlitz Softwares from 20th Oct 2022 to 27th Nov 2022, under the guidance of Mr.Raghavendra G

During the internship, She was found to be dedicated towards the tasks assigned to her.

We wish her all the best and success in all future endeavours.

With Regards Raghavendra (



2836, 1st Floor, NKK Road, Near Kuvernpu Metro Station, Rajajnagar 2nd Stage, Bangalore - 860 010. Website : https://www.webbitz.co.in / E-mail : https://webbitz.co.in info@webbitz.co.in Ph : 7406804253

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on

Web full stack development

"Serving For Starvation" Submitted in partial fulfilment of the requirements for the award of the degree of

Master of Computer Applications Submitted by

P.SAI SUGANDISWARA REDDY

(1RR21MC059)

Under the Guidance of Priyanka V Gudada Associate Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING Mysore road, bangalore-560074

(An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled "SERVING FOR STARVATION" carried

out by P.SAI SUGANDISWARA REDDY (IRR21MC059) the student of "Raja Rajeswari College of Engineering" in partial fulfilment of 3th semester Master of Computer

Applications of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Priyanka V Gudada Associate Professor Dept of MCA

Signature of HOD

Dr Subburaj HOD Dept of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461

D-U-N-S No.: 87-40 48298

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengahara, Kamataka 500078. Landline 080 4162 8482 Email <u>support@irchestim</u> Website: www.techcitt.in.

Ref.No.TTPL/2022-2023/HRD/INT4893 Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. P.Sai Sugandiswara Reddy (USN: 1RR21MC059) pursuing MCA from RajaRajeswari College of Engineering. Bangalore has successfully completed his internship with our company, he has been working on the project title: "Serving for Starvation" under the domain: Full Stack Web development from 20-10-2022to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self-starter who is motivated, daty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



Human Resources Department

TechCiti Technologies Private Limited.

Jnana Sangama, Belagavi-590018, Karnataka, India



Internship Report on Full Stack Web Development

Web Full Stack Development

"Serving For Starvation" Submitted in partial fulfilment of the requirements for the award of the degree of

> Master of Computer Applications Submitted by

> > VINAY G B (1RR21MC060)

Under the Guidance of Priyanka V Gudada Associate Professor Dept of MCA RRCE



Department of MCA

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution) 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001-2008 Certified Institution) (Affiliated to Visvesvaraya Technological University)



Department of Master of Computer Applications

CERTIFICATE

This is to certify that the Internship work entitled SERVING FOR STARVATION carried out by VINAY GB (IRR21MC060) the student of "Raja Rajeswari College of Engineering" in partial fulfilment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal report has been approved as it is satisfying the academic requirements in respect of Internship work prescribed for the said degree.

Signature of Guide Priyanka V Gudada Associate Professor Dept of MCA

1800

Signature of HOD Dr. T. Subburaj HOD Dept of MCA



TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461

D-U-N-S No.: 87 40 48298

No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email: <u>support/attechciti.in</u> Website: <u>www.techciti.in</u>

Ref.No.TTPL/2022-2023/HRD/INT4893 Date: 02nd December, 2022

Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7th Phase, Bengaluru, Karnataka 560078. Landline: 080 4162 8482 Email: support@techciti.in Web: www.techciti.in

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. Vinay G B (USN: 1RR21MC060) pursuing MCA from RajaRajeswari College of Engineering, Bangalore has successfully completed his internship with our company, he has been working on the project title: "Serving for Starvation" under the domain: Full Stack Web development from 20-10-2022 to 02-12-2022 as "Software Developer-Intern".

We have found him to be a self-starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.

Manager

Human Resources Department TechCiti Technologies Private Limited.

RajaRajeswari College of Engineering 🝚 😰 🖽

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University,

Belagavi)

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

Department of Robotics and Automation

Ref: RRCE/RA/AY2022-23/IS/4thsem/2

Date: 04/08/2023

Schedule of 211NT49 Inter/Intra Institutional Internship- Final presentation Academic Year 2022-23

4th Semester students of the Department of Robotics and Automation are hereby informed to present the 211NT49 Inter/Intra Institutional Internship- Final presentation on 01/09/2023 as per the schedule given below

SL. NO.	Day and Date of presentation	Batch No. and Timings	USN	Student Name
	presentation		1RR21RA001	ASBIN DONY A
1	Friday 01/09/2023	B1 8.30 am - 9.30 am	1RR21RA002	BALASARAVANAS
2			1RR21RA003	BHUMIKAHS
3			1RR21RA004	CHARANKUMAR K R
4			1RR21RA005	DEVARAJU
5		B2 9,30 am to 10,30 am	1RR21RA006	HAFSA FATHIMA
6			1RR21RA007	HARSHA A V
7			1RR21RA008	HEMANTH K
8		B3 10.30 am to 11.30 am	1RR21RA009	JEEVIKA D K
9			1RR21RA010	KEERTHI M R
10			1RR21RA011	LOHITH M R
11			1RR21RA012	MOHAMMED HAROON
12		B4 11.30 am-12.30 pm	1RR21RA013	MOHAN L
13			1RR21RA014	MOHAN M K
14			1RR21RA015	NAVEEN KUMAR S N
15			1RR21RA016	NISANKA MANSI
16		B5 1.30 pm-2.30 pm	1RR21RA017	NITHASHREE L
17			1RR21RA018	NITHYA B
18			1RR21RA019	SAMVRUDH N
19			1RR21RA020	SUHAS S VASISHTA
20		B6 2.30 pm -3.30 pm	1RR21RA021	TRISIT PAUL
21			1RR21RA022	VIHA TRUPTHI S PANDIT
22			1RR22RA400	NITHIN K
23			1RR22RA401	VENUGOPAL P
24			1RR22RA402	VITTHESH R R

Batch List

Co-ordinator Dr. N Sreenivasalu Reddy

Copy to

22

- 1. Internship file
- 2. Dept NB
- 3. Coordinator
- 4. To be read in class

Professor & Head Dept. of Robotics and Automation F RajaRajeswari College of Engines Bengaluru-74.

https://www.trce.org





OF C OMPLETION

This is to certify that

Viha Trupthi S Pandit

From Robotics and Automation with USN IRR21RA022 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



COMEDKARES

Executive Secretary COMEDKARES

14 JUNE 2023





CERTIFICATE OF COMPLETION

This is to certify that

Venu Gopal P

From Robotics and Automation with USN IRR2IRA401 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Cornedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



COMEDKARES

Executive Secretary COMEDKARES

14 JUNE 2023




OF C OMPLETION

This is to certify that

Suhas S Vasishta

From Robotics and Automation with USN IRR2IRA020 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES

14 JUNE 2023	From Robotics and Automation with USN 1RR21RA019 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.	This is to certify that Samvrudh N	OF C OMPLETION	COMED KARES
Executive Secretary COMEDKARES				PROGRAM



CERTIFICATE OF COMPLETION

This is to certify that

Nithyashree L

From Robotics and Automation with USN IRR21RA017 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Nithya B

From Robotics and Automation with USN IRR2IRA018 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on **Robotics** held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Nishanka Mansi Chandran

From Robotics and Automation with USN IRR2IRA016 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Executive Secretary COMEDKARES





This is to certify that

Naveen Kumar S N

From Robotics and Automation with USN IRR21RA015 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES



ERNSPOGRAN

ROBOTICS

OF C OMPLETION CERTIFICATE

This is to certify that

Mohan MK

From Robotics and Automation with USN IRR2IRA014 From the Rajarajeshwari College Of Engineering Correctkares innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023. Has successfully completed the internship programme on Robotics held at









This is to certify that

Lohith MR

From Robotics and Automation with USN IRR21RA011 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



COMEDKARES

Executive Secretary COMEDKARES





This is to certify that

Hemanth K

From Robotics and Automation with USN IRR21RA008 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on **Robotics** held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



COMEDIKARES

Executive Secretary COMEDKARES





This is to certify that

Haroon Khan

From Robotics and Automation with USN IRR2IRA012 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Hafsa Fathima

From Robotics and Automation with USN IRR2IRA006 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on **Robotics** held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Devaraju

From Robotics and Automation with USN IRR21RA005 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Bhumika H S

From Robotics and Automation with USN IRR2IRA003 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on Robotics held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES



CERTIFICATE OF COMPLETION

This is to certify that

Balasaravana S

From Robotics and Automation with USN IRR2IRA002 From the Rajarajeshwari College Of Engineering Has successfully completed the internship programme on **Robotics** held at Comedkares Innovation Hub, JP Nagar, Bengaluru from 18/05/2023 TO 09/06/2023.



Facilitator COMEDKARES

Executive Secretary COMEDKARES

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi – 590018



An Internship Report

"Embedded Systems, IoT & Robotics" Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MEGHA H V (1RR19EC036)

Under the guidance of Dr. S M VIJAYA Dept. of ECE, RRCE, Bangalore

Internship carried out at APSIS SOLUTIONS #1353, A-Square, BCCHS Layout, Sir M. Visvesvaraya Square, Near Holiday Village Resort, Vajrahalli-Raghuvanahalli, Kanakpura Main Road, Bengaluru, Karnataka-62



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi. Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

is to certified that the project work entitled "EMBEDDED SYSTEMS, IoT & COTICS" is a Bonafide work carried out by MEGHA H V (IRR19EC036) in fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University. Segavi during the year 2022-2023. It is certified that all corrections & suggestions cated for internal assessment havebeen incorporated in the report & deposited in departmental library. The Internship report has been approved as it satisfies the codemic requirements in respect of internship work prescribed for the said degree.

re of the Guide

Im S M Vijaya

Signature of the HOD

Signature of the Principal

Dr. L Rangaiah

ü

Dr. R. Balakrishna Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74



WISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi – 590018



An Internship Report on

"Embedded Systems, IoT & Robotics" Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MEGHANA N (1RR19EC037)

Under the guidance of Dr. S M Vijaya Dept of ECE, RRCE, Bangalore

Internship carried out at APSIS SOLUTIONS Pvt Ltd



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



The set of certified that the project work entitled "EMBEDDED SYSTEMS, LoT & Certifics" is a Bonafide work carried out by MEGHANA N (IRR19EC037) in falfilment for the award of Bachelor of Engineering in Electronics and commication Engineering of the Visvesvaraya Technological University, during the year 2022-2023. It is certified that all corrections & constituted for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved constitutes the academic requirements in respect of internship work prescribed to the said degree.

- of the Guide

De S.M. Vijaya

18/3/23 RA Signature of the HOD

Signature of the Principal

Dr. L. Rangaiah

Dr. Balakrishna R Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-77

- DI-SMVIJaya

APSIS SOLUTIONS

C.

ETERTIONS.

10

CERTIFICATE

This is to certify that

Meghana N

has successfully completed Four Weeks INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022



Shailendra Shukla General Manager APSIS SOLUTIONS

53

- 70

Jnana Sangama, Belagavi – 590018



An Internship Report

"MANUFACTURING OF AIRCRAFT"

Submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MONIKA M K(1RR19EC038)

Under the guidance of SURESH M Dept. of ECE, RRCE, Bangalore

Internship carried out at

HINDUSTAN AERONAUTICS LIMITED Bangalore Complex Vimanapura Post, Bangalore-560017, INDIA



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi. Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

BRANNAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



The is to certified that the project work entitled "MANUFACTURING OF a BORAFT" is a Bonafide work carried out by MONIKA M K (IRR19EC038) in merical fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions referred for internal assessment havebeen incorporated in the report & deposited in the departmental library. The Internship report has been approved as it satisfies the acaliencic requirements in respect of internship work prescribed for the said degree.



Signature of the He

Signature of the Principal

Dr. L Rangaiah

ii.

Dr. R. Balakrishna Principal RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

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west dupt nest n200, doweads-WL0004, unde dust first 1788, 8989 - 560017, wes first Bay No. 1788, Bergalura - 560017, India Ph. (91 - 80 - 2231 1781 Pax (91 - 80 - 2231 1788

No.A.HR/509/36 /2022

September 15, 2022

CERTIFICATE

This is to certify that **Ms. Monika M K,** USN 1RR19EC038 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 24,08,2022 to 15,09,2022

2. We wish her All the Best, Good Luck and Success in her future endeavors.

(B Arookia Jothi) Chief Manager (HR)

e.

Ms. Monika M K, BE[Electronics & Communication), Rajarajeswari College of Engineering, Bangalore.

রেরতেরেরের হাটেও । তেনে, হুলুর তর্টু, টেরাপেরের, সা,০০০০, ফুরের বর্ত্তবিরুদে কার্যেলিয়া : 15/1, সম্পদ নার, উদ্যাল - 560 001, গলে Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India ৯ জ এলে/ নী সার্হ পুশ / CIN:L353018A1963GO1001622 আ/\$/ ই: br.,aciPhai-india.co.in manication Networking

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi – 590018



An Internship Report

"Telecommunication Networking"

Submitted in partial fulfilment of the requirement for the award of degree of BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MUNEEB GULL (1RR19EC039)

Under the guidance of Dr. Sumitha Manoj Dept of ECE, RRCE, Bangalore

Internship carried out at BSNL KP Road,Qazi Bagh,Jammu & Kashmir 192101



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi. Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

Dept of ECE, RRCE

RAJARAJESWARI COLLEGE OF ENGINEERING

NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhil #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the Internship work entitled "TELECOMMUNICATION SETWORKING" is a Bonafide work carried out by MUNEEB GULL (IRR19EC039) in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

of the Guide

Signature of the HO

Signature of the Principal

Dr. Balakrishna R Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohadi Cross, Bengaluru-7/

Dr. Sumitha Manoj

Dr. L. Rangaiah



lest of ECE, RRCE

2022-23

Page 2

manication Networking



MISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi – 590018



Internship Project Report on

"EMBEDDED SYSTEMS IOT & ROBOTICS"

Submitted in partial fulfilment of the requirement for the award of degree

BACHELOR OF ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

Nandyala Pavan Kalyan (1RR19EC040)

Under the guidance of

Dr. Sumitha Manoj

Associate professor

Dept of ECE, RRCE, Bangalore

Internship carried out at

APSIS SOLUTIONS Pvt.Ltd

#1353, A-Square, BCCHS Layout, Kanakpura Main Road, Bangalore 560062



DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

INBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONENGINEERING



CERTIFICATE

This is to certified that the internship entitled "EMBEDDED SYSTEM IOT & ROBOTICS" is a Bonafide work carried out by Nandyala Pavan kalyan (1RR19EC040) in a partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections & suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

SIGNATORE OF GUIDE

Dr.Sumitha Manoj

SIGNATURE OF HOD Dr.L. Rangaiah

SIGNATURE OF PRINCIPAL

Dr.R.Balakrishna Principal RAJARAJESWARI COLLEGE OF ENGINEERING "amohalli Cross, Bengaluru-74

2700 TY HOP STREETS; CG6 2 General Manager APSIS SOLUTIONS Shallendra Shukla INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 CERTIFICATE has successfully completed Four Weeks Nandyala Pavan Kalyan **APSIS SOLUTIONS** This is to certify that MICROCHIP AUTHORISED TRAINING PARTNER APSIS SOLUTIONS APSIS L'AMASTHI æ 9

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangma", Belagavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: OTP BASED TRANSACTION"

Submitted in the partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By A R SHALINI (1RR19IS001) Internship carried out at TECHNOFLY SOLUTIONS, Bengaluru

Internal Guide Ms. Sinchana M N Asst Professor Dept. of ISE, RRCE External Guide Mr Afzal Nawaz

Software Developer TechnoFly Solutions Bengaluru-40



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE Certified that project work entitled

"FULL STACK WEB DEVELOPMENT: OTP BASED TRANSACTION"

Carried out by

A R SHALINI(1RR19IS001)

The student of "Raja Rajeswari College of Engineering" in partial fulfilment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Sinchang . M.N Signature of guide

Ms. Sinchana M N

Asst Professor Dept. of ISE RRCE, Bengaluru-74

Lo & Engo Ingineering Dr. Neha Singhal Raja' Dentooffise, RRCE, Bengaluru-74

Signature of HOD

Signature of Principal

DR. R Balakrishana Principal RRCE, RRCE, Bengaluru-74 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

External Viva-Voce Examiners:

Printer Kumad 1.

2

Signature:

COMPANY CERTIFICATE

TechnoFly Solutions



Internship Certificate

This is to certify that SHALINI . A.R a student of RAJARAJESHWARI GULEGE OF ENGINEERING has completed OI months/weeks of Internship From 22/8/22 To 22/9/22 in JULL STACK WEB DEVELOPMENT Domain.

in and throw contracts

Date 22/9/24

Technolis Solutions, Vipsimagar, Bangdore - 40 Mat. 9665476556, 9741150102 [- www.technoliy.mi



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: MCQ TEST TAKING PLATFORM"

Submitted in the partial fulfillment of the requirement for the award of the

degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By ANANYA S SUVARNA (1RR19IS002)

Internship carried out at TEQUED LABS, Bengaluru

Internal Guide Prof.Sinchana M N Asst, Professor Dept. of ISE, RRCE Bengaluru External Guide Mr. Nithin C Naik Software Developer Tequed Labs,



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FULL STACK WEB DEVELOPMENT: MCQ TEST TAKING PLATFORM"

Carried out by

ANANYA S SUVARNA (IRR19IS002)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

sinchana. M.N

Signature of guide Prof. SINCHANA M N

Asst. Professor

Dept. of ISE RRCE, Bengaluru

12023

Signature of HOD DR. NEHASINGHAL Delinearing Dept. of Prof. &HOD of (Chata): Dept. of ISE Bengaluru

Signature of Principal Dr. R. BAMARRISHNA Prof. R& PRAJESWARI BRILLEGE OF ENGINEERING namohalli Cross, Bengaluru-7

External Viva-Voce

Examiners:

1 · Nela Sice

Signature

COMPANY CERTIFICATE



TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ananya S Suvarna

has successfully completed 1 Month Internship in Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ Test Taking Platform -Tequed Labs

INTERNSHIP ID : TLS22AUG0077

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi – 590018



AN INTERSHIP REPORT ON

"IRIS DATASET"

Submitted in the partial fulfilment of the requirement for the award of the degree

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

By

ARPITHA G

(IRR19IS003)

Internal Guide

Dr.JAmutharaj,ME.PhD.FIE Vice Principal, RRCE,Bengalore **External Guide**

Mr. Adithya S K CTO, TEQUED LABS





DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)
RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENTOF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that internship report work entitled

"IRIS DATASET"

Carried out by

ARPITHA G (1RR19IS003)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Related States Sol

RRCE, Bengaluru

Det HOD, and

28 4 2023 Dr.J: AMUTHARAJ, M.E. Ph.D. FIE.

Vice Principal - Administration RAJANKIESTHER OT CEREBOR ENGINEERIN [DF.J Amutharaj, ME, Ph D, FIE]

Vice Principal

Dept of ISE

RRCE, Bengaluru

[Dro Neha Singhal]

Principal,

RRCE, Bengaluru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/

External Viva Voice:

Examiners: Di Neha Si're 1.

Signature

-124/05/2023



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RESEARCH AND INNOVATION HUB

#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Arpitha G

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Iris database

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0584

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"ATTENDANCE TRACKER FOR STUDENTS AND COLLEGES"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By

CHANDAN D (1RR19IS004) Internship carried out at TEQUED LABS,

Bengaluru

Internal Guide Dr. Neha Singhal Assoc. prof.HOD Dept. of ISE, RRCE External Guide Mr. ADITYA S K Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled FULL STACK WEB DEVELOPMENT "ATTENDANCE TRACKER FOR STUDENTS AND COLLEGES"

Carried out by

CHANDAN D (1RR19IS004)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth

Signature of guide

Dr. NEHASINGHAL Associ Brof, HOD DeplajofisE RRCE, Bengaluru-74

Signature of HOD

DePiof, and HOD Dept. of ISE, on 660 044. RRCE, Bengaluru-74

Signature of Principal Dr. NEHA SINGHAL STEMPERSTAPPOL & DIFENSINEERING Samohalli Cross, ehraluru-7/

External Viva-Voce

Examiners:

Di Neho Si 2. Ranject Kymar

Signature with date

15/202



TEQUED LABS RESEARCH AND INNOVATION HUB RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Chandan D

has successfully completed I Month Internship in Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Attendance trackers for students and colleges

INTERNSHIP ID : TLS22AUG0383

Supreeth Y S CEO Tequed Labs

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: MCQ TEST TAKING PLATFORM"

Submitted in the partial fulfillment of the requirement for the award of the

degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By DARSHINI G (1RR19IS006)

Internship carried out at TEQUED LABS, Bengaluru

Internal Guide Prof.Sinchana M N Asst. Professor Dept. of ISE, RRCE Bengaluru External Guide Mr. Nithin C Naik Software Developer Tequed Labs,



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FULL STACK WEB DEVELOPMENT: MCQ TEST TAKING PLATFORM"

Carried out by

DARSHINI G (1RR19IS006)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Chana HN

Signature of guide Prof. SINCHANA M N

Asst. Professor

Dept. of ISE RRCE, Bengaluru Signature of HOD DR-NEHA SINGHALouing Prof. & HOD Bept. of ISE RRCE, Bengaluru

External Viva-Voce

Signature of Principal Dr. R. BALGAKRISHOCA Prof. & Brinkling Loduru. RRCE: Bengaluru

Examiners:

Dr. Nela Sinerla

Signature 241572023



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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Darshini G

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Mcq Test Taking Platform

fre

INTERNSHIP ID : TLS22AUG0078

Supreeth Y S CEO Tequed Labs

"Jnana Sangama", Belagavi - 590018



AN INTERNSHIP REPORT ON "MACHINE LEARNING WITH PYTHON"

DIABETES PREDICTION & BIG MART SALES PREDICTION

Submitted in the partial fulfillment of the requirement for the award the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE & ENGINEERING

Submitted By

DEEKSHITHA M (IRR19IS007) Internship carried out at KARUNADU TECHNOLOGIES Pvt.Ltd. Bengaluru

Internal Guide Mr. Dineshkumar M Assistant Professor Dept. of ISE, RRCE





RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)



(Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship work entitled

"MACHINE LEARNING WITH PYTHON"

DIABETES PREDICTION & BIG MART SALES PREDICTION

Carried out by

DEEKSHITHA M (1RR19IS007)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

202 m

Signature of guide Mr. Dineshkumar M Assistant Professor Dept. of ISE, RRCE Bengaluru

Signature of HOD Dept. of Info Dept. of ISE Bengalura Dept. of Info Dept. of ISE Bengalura Dept. BRCE

External Viva-Voce

Signature of Principal DR. Ri Balakathhna RAM. & Principal COLLEBROL, Bengalymuru-70 Namohalli Cross, Bellymuru-70

Examiners:

Dr. Neha Sincerla

Signature: 94 05 7 20 23



Certificate of Completion

KTPT/INT/2022/0479

INTERNSHIP PROGRAM CN Python and Machine Learning





THIS IS TO CERTIFY THAT MR/MS.DEEKSHITHA M BEARING USN 1RR1915007

FROM COLLEGE RAJARAJESWARI COLLEGE OF ENGINEERING

HAS COMPLETED ONE MONTH INTERNSHIP PROGRAM ON

PYTHON AND MACHINE LEARNING.

CONDUCTED FROM 20-AUG-2022 TO 20-5EP-2022 AT







GAHDE a strat

E-mail karunachriechnologies/Egmail.com

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum – 590018



INTERNSHIP REPORT ON

"WEBSITE DEVELOPMENT-WEDDING PLANNING WEBSITE"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By

DHAWALASHREE B K (1RR19IS008)

Under the guidance of

Dr. J AMUTHARAJ, M.E., Ph.D.FIE Professor & Vice Principal Dept. of ISE RRCE

> INTERNSHIP CARRIED OUT AT EISystems



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD ,BANGLORE-560074 (An IOS 9001:2008 Certified Institute) 2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING **MYSORE ROAD, BANGALORE 560074** (An ISO 9001:2008 Certified Institute)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the project work entitled

"WEBSITE DEVELOPMENT-WEDDING PLANNER WEBSITE"

Carried out by

DHAWALASHREE B K (1RR19IS008)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

DT.J. AMUTHARAJ, MA Visa Principal Administration JARAJES MARCALORE - 500 074. DRAMANDALORE - 500 074. Prof. & Vice Principal

RAJAR Dept. of ISE RRCE, Bengaluru

Examiners:

1912023 Dri NEHA SINGHALINGINGONING RRCE, Bengaluru Dent Prof. & HOD

External Viva-Voce

Signature of Principal

2415/23

DR. R. BALAKRISHNA Prof. & Prinsinal RECEARATESWICH COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74 Signature:

24105 h023

1. Di Neho Singuel 2. Ravject Kumar



"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By JNANASHREE S (1RR19IS011) Internship carried out at TEQUED LABS, Bengaluru

Internal Guide Dr. J Amutharaj Vice Principal & Professor

Dept. of ISE, RRCE

External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

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RAJARAJESWARI COLLEGE OF ENGINEERING **MYSORE ROAD, BANGALORE-560074** (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Carried out by

JNANASHREE S (1RR19IS011)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

2023 . Dr.J. AMUTHARAJ, M.E. Ph.D. FIE.

Signature of Principal

Dr. Neha Singhal dense a but DepProf. & HODonese of Engineering Dr. R. BallaRfishina PrincipaJARAJESWARI ROOCEE GEOGRAEINGINEERING Ramohalli Cross, Bengaluru-7r

External Viva-Voce

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Dept. of ISE tora - 600 074.

RRCE, Bengaluru

Ral

Examiners:

Dept. of ISE

RRCE, Bengaluru

Dr. J Amithiaraj

Prof & Vice Principal

Signature:



TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Jnanashree S

has successfully completed I Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Personal portfolio generator

INTERNSHIP ID : TLS22AUG0605

Supreeth Y S CEO Tequed Labs

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"ATTENDANCE TRACKER FOR STUDENTS AND COLLEGES"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By

M BALAJI (1RR19IS012) Internship carried out at TEQUED LABS,

Bengaluru

External Guide Mr. ADITYA S K Tequed Labs, Bengaluru

Internal Guide Dr. Neha Singhal Associate professor, HOD Dept. of ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled FULL STACK WEB DEVELOPMENT "ATTENDANCE TRACKER FOR STUDENTS AND COLLEGES"

Carried out by

M BALAJI (1RR19IS012)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth somester

63[05-12023 Signature of guide

Dr. NEHA: SINGHAL DD Associate: Profer HOD and the Deriver of and HOD Sciences & Engel Depter rise Control and HOD Sciences & Engel Robertor rise Control and HOD Scie

Signature of HOD

euron 84 D.7 20 23

External Viva-Voce

Examiners:

Signature with date

Signature of Principal

JJ572023



TEQUED LABS

#startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

M BALAJI

has successfully completed I Month Internship in Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Attendance trackers for students and colleges

Supreeth

CEO

Tequed Labs

INTERNSHIP ID : TLS22AUG0384

COMPANY CERTIFICATE

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"ONLINE JOB PORTAL"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE & ENGINEERING

Submitted by MANOJ P (1RR19IS013) Internship carried out at

TEQUED LABS

Internal Guide:

Mr. Dinesh Kumar Assistant Professor Dept. of ISE, RRCE External Guide: Mr. ADITYA S K CTO Tequed labs, Banglore



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled

"ONLINE JOB PORTAL"

Carried out by MANOJ P (1RR19IS013)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Signature of guide

[Mr. Dinesh Kumar] Assistant Professor, Dept. of ISE RRCE, Bengaluru

1057202 Signature of HOD

[Dr.Neha Singhal] Associate Prof. & HODER (INFORMUT Dept: of CSE (INFORMUT) Dept: of CSE (INFORMUT) Dept: of CSE (INFORMUT) Participation (INFORMUT) Participation (INFORMUT) Participation (INFORMUT)

External Viva-Voce

Signature of Principal RAJARAJESWARI [D51]RGBOLCAKRISHINA] ? Fron Sil Principal RRCE, Bengaluru-7/ RRCE, Bengaluru

Examiners:

Di Neha Singled. 2. Lanjeet

910572023 Signature:



"JnanaSangama", Belgavi - 590018



ANINTERNSHIPREPORTON

"FULLSTACKWEBDEVELOPMENT:NEWS PORTAL"

A report submitted in the partial fulfillment of the requirements for the award of the degree of

BACHELOROFENGINEERING

In

INFORMATIONSCIENCE& ENGINEERING

SubmittedBy MONIKA A (1RR19IS015) Internship carried out atTEQUEDLABS, Bangalore

InternalGuide

Dr. Neha Singhal

Associate prof. & HoD Dept.ofISE,RRCE External Guide Mr.NithinCNaik

SoftwareDeveloper TequedLabs, Bangalore



DEPARTMENTOFINFORMATIONSCIENCE&ENGINEERING

RAJARAJESWARICOLLEGEOFENGINEERING MYSOREROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)(2022-23)

i

RAJARAJESWARICOLLEGE OFENGINEERING MYSOREROAD, BANGALORE-560074 (AnISO9001:2008CertifiedInstitute) (AffiliatedtoVisvesvarayaTechnologicalUniversity, Belagavi) DEPARTMENTOFINFORMATIONSCIENCE&ENGINEERING



CERTIFICATE

Certifiedthatprojectworkentitled

"FULLSTACKWEBDEVELOPMENT:NEWS PORTAL"

Carriedout by

MONIKA A(1RR19IS015)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award ofBachelorofEngineeringinInformationScience&EngineeringoftheVisvesvarayaTechnologica IUniversity,Belagaviduringtheyear2022-2023.Itiscertifiedthatall corrections/suggestions indicated for Internal Assessment have been incorporated in the reportdeposited in the departmental library. The Project report has been approved as it satisfies theacademicrequirementsin respectof project workprescribedfortheEighthsemester.

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Signatureof guide OD Dr. Néha Singbal Associate Prof. & HoD 74. Rej Stational Control of the Station Rej Station Control of the Station ISE, RRCE, Benga

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Signatureof HOD HOD Dr.Neha Singbalining & Engl. Associate Prof.&HOD GIA Prin Deftcorf SEctore 401 674 Prin Rece, Bengaluru

Principal Dr. R. Balakristma⁹¹ Principal Principal RRCE, Bengaluru Const. Bengaluru Const

ExternalViva-Voce

Examiners:

ü

Signature:

24/05/2023



TEQUED LABS

RESEARCH AND INNOVATION HUB

#startupingia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Monika A

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

News portal

INTERNSHIP ID : TLS22AUG0606

Supreeth Y S CEO Tequed Labs

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By MONISHA K G (1RR19IS016) Internship carried out at TEQUED LABS, Bengaluru

Internal Guide

Dr. J Amutharaj Vice Principal & Professor Dept. of ISE, RRCE External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

i

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Carried out by

MONISHA K G (1RR19IS016)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Dr. J Amutharaj Prof & Vice Principal

DEL Dept of ISE Dept of ISE or - 509 GTA. Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING External Viva-Voce BANGALORE - 560 074. Examiners:

Signature of HOD DreNeha Singhal lenge & Enge 5 YOT

ii.

Signature of Principal

Dep. Prof. & HOD Store of Ungineering Dr. R. Balakrishna RRCE Bangluru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

2410572023



TEQUED LABS RESEARCH AND INNOVATION HUB

RECOGNIZED BY

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Monisha K G

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalare and has worked on a project titled

Personal Portfolio Generator

INTERNSHIP ID : TLS22AUG0608

CEO Tequed Labs

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"INTERNSHIP MANAGEMENT"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By NAVEEN KUMAR DK (1RR19IS018) Internship carried out at TEQUED LABS, Bengaluru

Internal Guide

Dr.Neha Singhal Assoc..prof and HOD Dept. of ISE, RRCE External Guide Mr. ADITYA S K CTO Tequed Labs, Bengahru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2021-22)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that project work entitled "FULL STACK WEB DEVELOPMENT : INTERNSHIP MANAGEMENT"

Carried out by

NAVEEN KUMAR D K(1RR19IS018)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide Signature of HOD Signatu rincipal Dr. NEHA SINGHAL Dr. NEHA SINGHAL Assoc Prof and HOD I Constinenting Dept. of ISE, SUN OIA. DECK BALAFKERSHING DOPED OFISE Taxookapi figga Bengaluru-7/ RRCE, Bengaluru RRCE Bengaluru FRRCE, Bengaluru

External Viva-Voce

Examiners:

Signature:



TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Naveen Kumar D k D k

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Internship management

INTERNSHIP ID : TLS22AUG0462

Supreeth Y S CEO Tequed Labs

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: RESPONSIVE JOB PORTAL"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By NIDHIKSHA A (1RR19IS019) Internship carried out at TEQUED LABS, Bengaluru

Internal Guide

Dr. J Amutharaj Vice Principal & Professor Dept. of ISE, RRCE **External Guide**

Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

i

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"FULL STACK WEB DEVELOPMENT: RESPONSIVE JOB PORTAL WEBSITE"

Carried out by

NIDHIKSHA A (1RR19IS019)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of HOD

Signature of guide

Examiners:

Dr. Netia Singhal Jenso & Engel Prof. & HOD Store of Ungineering Dr. R. Balakrishna Dr. J Amutharai Prof & Vice Principal Dept AMUTHARAJ, M.E., Ph.D., FIE Vice Principal - Administration a) RRCE Bengaluru RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074. External Viva-Voce

Signature of Principal

RRCE, PORCHUS RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

0572023

ii.



TEQUED LABS

#stortupinçlia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nidhiksha A

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Job Portal - Tequed Labs

Tequed Labs

Supree

INTERNSHIP ID : TLS22AUG0609

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: RESPONSIVE JOB PORTAL"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By

NIKITHA S DESHPANDE (1RR19IS020)

Internship carried out at QUALITY THEOREM, Bengaluru

Internal Guide

Mr. DineshKumar M

Assistant Professor Dept. of ISE, RRCE

External Guide

Krishna Mohan Project Manager Quality Theorem, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

i
RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "GROUP CHATTING APPLICATION WITH WEBSOCKETS"

Carried out by

NIKITHA S DESHPANDE (1RR19IS020)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Mr. DineshKumar M Assistant Professor Dept. of ISE RRCE, Bengaluru

Dr. Neha Stright PD Prof. & HOD Telecon & Enge-Dept. of ISE, and G74. RRCE, Bengaluru

Signature of HOD

External Viva-Voce

Signature of Principal

Dr. R. Balakrishna Principal RRCE Bengaluru RAJARAJESWARI

COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

910512023

Examiners:

Dent

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COMPANY CERTIFICATE

Quality Theorem

Date: 10-10-2022 Place: Bangalore

Certificate of Completion

This Certificate is presented to Ms. NIKITHA S DESHPANDE for successfully completing the internship at Quality Theorem on project title "GROUP CHATTING APPLICATION WITH WEBSOCKETS" using Java Technologies.

Period of Internship: 01" September, 2022 to 30th September, 2022

We have found her to be a self-starter who is motivated, duty bound and hard working.

She worked sincerely on her project and her performance was par excellence.

We wish her all success in her future endeavor.

Sincerely,

Sathyn. 45

Authorized Signatory Sathyanarayana Y S CEO

USA Address: Suite #240,621 North West , 53rd Street, Boca Raton, FL -- 33487 | P: + (908) 867-4330 India Address: #745, 3* Stage, 3* Block, 10* Main , Basaveshwarnagar, Bangalore -560079 | P: +91-80-43029320 | +91-996 093 4650

> Offices : Florida, USA | New Jersey, USA | Bangalore, India | Gulbarga, India | Kurnool, India W: www.gualitytheorem.com | E: info@gualitytheorem.com |

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI - 590018, Karnataka

INTERNSHIP REPORT

ON

"FULL STACK WEB DEVELOPMENT"

"TEMPLATE For VCT TEA" Submitted in partial fulfilment for the award of degree(18CS185)

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE

Submitted by:

NAME: NISCHITA L

USN: 1RR19IS021

Conducted at

VARCONS TECHNOLOGIES Pvt Ltd.

Internal Guide: Ms Sinchana M N Asst. Professor Dept. of ISE, RRCE

External Guide: Mr Parichith Kumar Software Developer Varcons Technologies Ltd.



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

Dept. of ISE, RRCE

2022-2023

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RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



"FULL STACK WEB DEVELOPMENT: TEMPLATE FOR VCT TEA"

Carried out by NISCHITA L (1RR19IS021)

Certified that project work entitled

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Ms. Sinchana M N

Asst. Prof. Dept. of ISE RRCE, Bengaluru

Signature of HOD OD Dr. Neha Singhaf of Engineering Prof. & HOD allow 653 074. Robert. of ISE, RRCE, Bengaluru

External Viva-Voce

Signature Brigginzipal RAJARAJESWARI DrcBLIggin brigwaneERING Prantiphalli Cross, Bengaluru-7/ RRCE, Bengaluru

Examiners:

Dept. of ISE, RRCE

2022-2023

Signature:

91572023

CERTIFICATE PROVIDED BY THE COMPANY

Varcons Technologies Pvt Ltd Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that particular student named Nischita L whose USN is 1RR191S021 has completed their Full Stack Web Development Internship organised and handled by Varcons Technlogoies Pvt Ltd from 25th August, 2022 to 29th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Template- A website to sell Caffeine. This project was aimed at creating fully-fledged functional web template(s) for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK BERE



www.varconstech.com contect@varconstech.com

This certificate was generated using CERTHEFY.COM

2022-2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By NISHCHITHA K N (1RR19IS022) Internship carried out at

TEQUED LABS, Bengaluru

Internal Guide

Dr. J Amutharaj Vice Principal & Professor Dept. of ISE, RRCE External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

i

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that project work entitled "FULL STACK WEB DEVELOPMENT: PERSONAL PORTFOLIO GENERATOR"

Carried out by

NISHCHITHA K N (1RR19IS022)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. ····Vice Principal - Administration

SIGNATURE - 560 074. Sig

Dr. J Amutharaj Prof & Vice Principal Dept. of ISE RRCE, Bengaluru Signature of HOD Dr. Neha Singhal Joinson & EDGG Profile HOD Collecto of Engineerin De Dept of ISE RRCE, Berlgaluru

HOD or & HOD balacianon & EDGO PrincpileGE OF ENGINEERING RREEDOBalligitums, Bengaluru-7-

External Viva-Voce

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Examiners:

Signature:

241572023

COMPANY CERTIFICATE



TEQUED LABS

#startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nishchitha K N

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Personal Portfolio Generator

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0610

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgavi -590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: NEWS PORTAL"

A report submitted in the partial fulfiliment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By NITHYASHREE T (1RR19IS023) Internship carried out at TEQUED LABS, Bangalore

Internal Guide Dr. Neha Singhal Associate prof. & HoD Dept. of ISE, RRCE External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bangalore



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)(2022-23)

i

RAJARAJESWARI COLLEGE OF ENGINEERING **MYSORE ROAD, BANGALORE-560074** (AnISO9001:2008CertifiedInstitute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FULLSTACKWEBDEVELOPMENT: NEWS PORTAL"

> Carried out by NITHYASHREE T (IRR19IS023)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Belagavi during the year 2022-2023. It is certified that all Technological University, corrections/suggestions indicated for Internal Assessment have been incorporated in the reportdeposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of HOD

Signature of Singlipal DepAssociate Prof. & HOD Carganouring Collegebriewonneering Brincinal III Cross, Bengaluru-74 RRCE, Bengaluru

Signature of guide

RRCE, Bengaluru

DeAssociate Prof. & HoD Grad. DerAssociate Prof. & Honora RRCE, Beligaluru

105 902

External Viva-Voce

Examiners:

cha Singlar.

Signature:

ü

COMPANY CERTIFICATE



TEQUED LABS

RESEARCH AND INNOVATION HUB

#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nithyashree T

has successfully completed 1 Month Internship.in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

News portal

INTERNSHIP ID : TLS22AUG0611

Supreeth Y S

CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"ONLINE JOB PORTAL"

Submitted in the partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by NIVAS GOWDA (IRR19IS024)

> Internship carried out AT

TEQUED LABS

Internal Guide:

Dr. Neha Singhal Prof. & HOD, Dept. of ISE, RRCE.



Mr. ADITYA S K CTO Tequed labs, Bengaluru.





DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Certified that Internship entitled

"ONLINE JOB PORTAL"

Carried out by NIVAS GOWDA(1RR19IS024)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Signature of guide

Prof. & HOD, Dept. of ISE RRCE, Bengaluru.

1874120 23

Prof. & HOD Jaloio - 500 674.

REAC:

Dr. R. BALARKEISHNAJ PrincolLEGE OF ENGINEERING RRGIndiationass, Bengaluru-7

Examiners:

External Viva-Voce

Dept. of ISE

RRCE, Bengaluru.

Signature:

COMPANY CERTIFICATE



TEQUED LABS RESEARCH AND INNOVATION HUB #stortupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nivas Gowda

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Job portal

INTERNSHIP ID : TLS22AUG0612

Supreeth Y S CEO Tequed Labs VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum- 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT : MCQ"

Submitted in the partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by NIVEDITHA V (1RR19IS025)

Internship carried out at TEQUED LABS , Bengaluru

Internal Guide

Mrs. PAVITHRA N Associate Professor Dept. of ISE, RRCE

External Guide

Mr. Aditya S K CTO TEQUED LABS



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)



RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560091

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that internship report work entitled "MCO"

Carried out by

NIVEDITHA V (1RR19IS025)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work.

lignature of Guide

Mrs. PAVITHRA N Associate Professor Dept, of ISE, RCE, Bengaluru

1.202

Signature of HOD Dra Neha Singhal so & Engl-Dept Associate Prof. & HOD; sociation RejarDept of ISE to - 060 334. RRCE, Bengaluru

External Viva-Voice

Signature of Principal

Dr. R. BHASKHSHARI PCOLAESTAATARING RRGh Blagdesu Bengaluru-7*

Examiners:

Ranjeet Kumars

Signature

INTERNSHIP CERTIFICATE



TEQUED LABS

RECOONIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Niveditha V

has successfully completed 1 Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ test taking platform - tequed labs

INTERNSHIP ID : TLS22AUG0189

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Jnana Sangama, Belagavi - 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT"

An internship report Submitted in the parallel fulfilment of the requirement for award of the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE ENGINEERING

Submitted by

POORNIMA R(1RR19IS026)

Under the Guidance of :

Prof. Pavithra N Assistant Professor, Department of ISE, RRCE, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu,Mysore Road,Bengaluru-560074 (An ISO 9001-2008 Certified Institution)

2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu ,MysoreRoad, Bengaluru-560074 (An ISO 9001-2008 Certified Institute)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

This is to Certify that the Internship work entitled "FULL STACK WEB DEVELOPMENT" is bonafide work carried out by POORNIMA R(IRR19IS026), in partial fulfilment for the award of B.E in Information Science & Engineering of Visvesvaraya Technological University, Belgaum during the Academic year 2022-2023. It is certified that all corrections ind suggestions indicated for internal assessment have been incorporated in the report leposited in the Departmental library. The Project report has been approved as it satisfies he academic requirements in respect of Internship work prescribed for the said degree.

26/4/13

Signature of Guide Prof. Pavithra N Asst. Professor, Dept. Of ISE, RRCE, Bengaluru

Signature of HOD Dr. Neha Singhal Int Brund

Dept. of ISE, RRCE, Bengaluru

Signature of Principal Principal Dr. ReBalakrisbora er COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7/ RRCE, Bengaluru

External Viva-Voce

Examiners:

1.

2. Ranjeet Kumar

Signature:

CERTIFICATE



Compsoft Technologies

Providing a Complete Suite of IT Solutions

Certificate ID - 1JUNFSWD151

Date - 22/07/2022

Certificate of Internship

This is to certify that Mr/Ms Poornima R (1RR19IS026) has done his/her Full Stack Web Development Internship in Compsoft Technologies, Rajaji Nagar, Bangalore, from 19th June 2022 to 24th July 2022.

He/She has worked on a project titled Store my results. This project was aimed at creating a cutting edge website for a client of ours, As part of the project, he/she designed functional webpages, Backend Databases to collect, store, and sort data, by understanding the design briefs and client Specifications that were provided in the Proposal.

During the internship, he/she demonstrated good design skills with a selfmotivated attitude to learning new things. His/Her performance exceeded expectations and was able to complete the project successfully on time, We wish him/her all the best in his/her future endeavours.

Warm regards,	s:	
Project Manages CST)		
Composit Technologies No. 363, 19th main road, La Black Reissinger Bangalore- 560010	www.compstechnologies.com	Lervices@compstechnolgies.com
 Search Engine Optimisation Branding and Design 	*Development *Content Writing	•ML & Research •Embedded Systems and IOT

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum- 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT : MCQ "

Submitted in the partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by PRAJWAL HM (IRR19IS027)

Internship carried out at TEQUED LABS, Bengaluru

Guide

Mrs. Rathidevi T Associate Professor Dept. of ISE, RRCE



External Guide

Mr. Aditya S K CTO TEQUED LABS

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23) RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560091 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that internship report work entitled

"MCQ"

Carried out by

PRAJWAL H.M (1RR19IS027)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work.

9 4/20

Signature of Guide

Mrs. Rathidevi T Associate Professor Dept, of ISE, RRCE, Bengaluru 5121412023

Signature of HOD Dr. Neha Singhal stance & Engs. Associate Prof. & HOD & Engineering Dept, of JSE, Store 550 974. RRCE, Bengaluru

External Viva-Voice

Signature of Principal

Dr. R. Balakrishna Prof. & Principal, RRCE, BEAGAILru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

2415/22

Signature

Examiners:

Kumar -

INTERNSHIP CERTIFICATE



TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Prajwal HM

has successfully completed I Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ using full stack web development

RECOGNIZED BY

#startupindia

INTERNSHIP ID : TLS22AUG1057

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum- 590018



AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT : MCQ "

Submitted in the partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by PRAJWAL HS (1RR19IS028)

Internship carried out at . TEQUED LABS , Bengaluru

External Guide

Mr. Aditya S K CTO TEQUED LABS



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)



Mrs. Rathidevi T Associate Professor Dept. of ISE, RRCE



RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560091

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that internship report work entitled "MCQ"

Carried out by PRAJWAL H.S (1RR19IS028)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work.

Signature of Guide

Mrs. Rathidevi T Assioiate Professor Dept, of ISE, RCE, Bengaluru

Signature of HOD^{IOD} Dep Dr. Neha Singhal Engineering Rol Associate Prof. & HOD, Dept, of ISE, RRCE, Bengaluru

External Viva-Voice

Signature of Principal

Dr. R. Balakrishna Prof. & Principal, RRCE, Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Crcss, Bengaluru-74

Examiners:

2 Ranjeet Kumar

Signature

INTERNSHIP CERTIFICATE



TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Prajwal H.S

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ

INTERNSHIP ID : TLS22AUG1056

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON

"Map & profile the Top 1000 SE Retailers: Data Analysis"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By RAMYA B (1RR19IS029) Internship carried out at

SCHNEIDER ELECTRIC

Internal Guide Mr. Dineshkumar M / Asst: Professor, Dept. of ISE, RRCE

External Guide

Mr. Muhammad Delvi Rayan

Data Analyst Schneider Electric, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute)

ï

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"Map & profile the Top 1000 SE Retailers : Data Analysis"

Carried out by

Ramya B (1RR191S029)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Mr. Dineshkumar M Asst. Professor Dept. of ISE RRCE, Bengaluru

Signature of HOD

Dr. Neha singal & HOD Prof. & HOD Lion Gelence & Bron-Prof. & HOD TOT Galance & Brown Br. Balakrisbna ENGINEERING Dependentise of Engineering Dependentise of Engineering Prof. & Principal S. Bengaluru-7: Rol RCE Bengaluru

Signature:

Signature Br Printipal RAJARAIESW

External Viva-Voce

Examiners:

Kuman

COMPANY CERTIFICATE

This is to certify that Ramya Babu

Internship Certificate

Has successfully completed the Internship program on "Assisting Data Analytical Project Of Profiling and Mapping the Top 1000 Retailers " from 22nd August 2022 to 17th September 2022 under H&D Division.

During this program she was found to be committed & diligent

Date 27-Oct-2022

vice President

Life is On Scher

Loke to Cit

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON "ARTIFICIAL INTELLEGENCE AND MACHINE LEARNING: ZOMATO DATASET"

Submitted in the partial fulfillment of the requirement for the award of

the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By ROHAN H (IRR19IS030) Internship carried out at TEQUED LABS, Bengaluru

Internal Guide Dr. J . AMUTHARAJ Professor and Vice Principal, Dept. of Information Science and Engineering, RRCE



External Guide Mr. Aditya S K Director and CTO Tequed Labs, Bengaluru

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "ARTIFICIAL INTELLEGENCE AND MACHINE LEARNING: ZOMATO DATASET"

Carried out by

ROHAN H (IRR19IS030)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

4/2023 AMUTHARAJ, M.E., Ph.D., FIE.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. Vicen Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING DR.BANGMUCHARSEP 074. DR. NEHA SINCH.

Prof. & Vice Principal

RRCE, Bengaluru DR. NEHA SINGHALD Prof. & HODSON & HOD DeBent of Information Osimoc & Enc DeBent of Information Osimoc & Enc RRCEBROSIDATE SECOND

Signature of Principal

Dr. R. BAILARAJESWARI RAJARAJESWARI PROLIEGE OF ENGINEERING RRechare Groky, Sengaluru-74

External Viva-Voce

Examiners: colo kymat

Signature

INTERNSHIP CERTIFICATE



TEQUED LABS

#startupindja

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Rohan. H

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked an a project titled

Zomato Bangaluru Dataset

INTERNSHIP ID : TLS22AUG0235

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON "FULL STACK WEB DEVELOPMENT : MCQ TEST TAKING PLATFORM"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By S INDIRA PRIYADARSHINI (IRR19IS031)

> Internship carried out at TEQUED LABS, Bengaluru

Internal Guide

Mr. Dineshkumar M

Assistant Professor Dept. of ISE, RRCE External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled

"FULL STACK WEB DEVELOPMENT : MCQ TEST TAKING PLATFORM"

Carried out by

S INDIRA PRIYADARSHINI (1RR19IS031)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Mr. Dineshkumar M Assistant Prof. Dept. of ISE RRCE, Bengaluru

41202

Dr. Neha Singhal

External Viva-Voce

Signature of Principal Principal DR B R ALE SHAR COLLEGE OF BINGINEERING RRGE CROOMBONE aluru-74 Ramonalii CRoomBone aluru-74

Examiners:

2. Ranjeet Kumar

Signature:

COMPANY CERTIFICATE



TEQUED LABS

#stortupinglja

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

S.Indira priyadarshini

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ Test Taking Platform-Techqued Labs

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0613

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"CREDIT CARD FRAUD DETECTION DATASET"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE & ENGINEERING

Submitted by S. VISHNU SHARMA (IRR19IS032)

> Internship carried out at TEQUED LABS

Internal Guide: Dr. J. Amutharaj Professor and Vice Principal Dept. of Information Science and Engineering RRCE, Bangalore

External Guide: Mr. ADITYA S K Director and CTO AMCEC





DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)
RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled

"CREDIT CARD FRAUD DETECTION DATASET"

Carried out by

S. VISHNU SHARMA (IRR19IS032)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. I Signal grant guille Administration S RAJARAJESWARI COLLEGE OF ENGINEERING [Dr. DANIMATORI] 560 074. [Dr.

Prof. & Vice Principal, Dept. of ISE RRCE, Bangalore IDF. NEHA SINGHAL

External Viva-Voce

Signature of Principal Principal [Dr. BALANSENSIENA] Principal OF ENGINEERING RRCE, Bangalore RRCE, Bangalore Ramohalli Cross, Bengaluru-7/

Examiners:

eet kymar

Signature:

COMPANY CERTIFICATE





#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

S.Vishnu Sharma

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Credit Card Fraud Detection dataset

INTERNSHIP ID : TLS22AUG0233

Supreeth Y S CEO Tequed Labs VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgavi- 590018



AN INTERNSHIP REPORT ON

"INDIAN USED BIKES DATA"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING In

INFORMATION SCIENCE & ENGINEERING

Submitted by SANJAI KUMAR R (1RR19IS034) Internship carried out at TEQUED LABS

Internal Guide

Dr. J. Amutharaj Prof & Vice Principal, Dept of ISE, RRCE, Bangalore

External Guide

Mr. Aditya S K CTO Tequed Labs, Bangalore



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled

"INDIAN USED BIKES DATA"

Carried out by

SANJAI KUMAR R (1RR19IS034)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

M.E. Ph.D.

Mich Principal - Administration RAJARAJESHIRPOT BULLIE OF ENGINEERING Dr. J. Amutharaj Prof & Viscon

Prof & Vice Principal, Dept of ISE, RRCE, Bangalore

Signature of HOD Professor & HOD Den Neha Singhal and & Engs Dr. R Bala Prof. & HOD; Dept. of ISE incert Raj RRCE Bangalore 560 074

03/65/2022

Signature of Principal ROLLEGE GINEERING RRatioBalle Otoes, Bengaluru-7

Examiners:

External Viva-Voce

Ranjoet

Signature:

COMPANY CERTIFICATE



VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"HEART DISEASE PREDICTION AND ANALYSIS"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE & ENGINEERING

Submitted by SANJAY S (1RR19IS035)

Internship carried out at

TEQUED LABS

Internal Guide: Prof. Pavithra N Assistant Professor, Dept. of ISE External Guide: Mr. ADITYA S K Director and CTO AMCEC





DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BENGALURU-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled "HEART DISEASE PREDICTION AND ANALYSIS "

> Carried out by SANJAY S (1RR19IS035)

A student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Signature of guide

Prof. Pavithra N Assistant Professor, Dept. of ISE RRCE, Bangalore

Signature of HOD Dr. Neha Singhal & Engli Prof & HOD, Dept, of ISE et ing Ocot. RRCE Bangalore G GT4. Rejarajosulas congatoro

External Viva-Voce

Signature of Principal Principal

DRARABAE WARISHNA] COLLEGED F ENGINEERING RamBhalf-CHappaberAgaluru-7/

Signature:

Examiners:

Ranjeel Kumar

COMPANY CERTIFICATE



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

SANJAY.S

has successfully completed I Month Internship in

Data Science

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Heart Disease Prediction and Analysis

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0293

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgavi- 590018



AN INTERNSHIP REPORT ON "COVID AWARENESS WEBSITE"

Submitted in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by SHALINI K (1RR19IS036) Internship carried out at AIDEAS, Bangalore

Internal Guide Prof. PAVITHRA N Dept. of ISE, RRCE

External Guide Mr. MURALI V Web Developer Aideas Engineering Pvt. Ltd



A ideas

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute)

(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled

"COVID AWARENESS WEBSITE"

Carried out by SHALINI K (IRR19IS036)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the 8th semester.

Paulted 6/5/23

Signature of guide

Prof. Pavithra N Dept. of ISE RRCE, Bangalore Signature of HOD Dr: Neha Singhal 1015 Dapi Prot & HOD, Dept. of ISE (1005) Raja RRGE Bangalore du 074.

External Viva-Voce

Signature of Principal Dr. R. BALAKRISHNA Principal Principal RRCE, BANGAGESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

Examiners:

1. _____



Company Identification Number : U72900KA2019PTC125249

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that Shalini K bearing USN: 1RR19IS036 has successfully finished her internship with Aldeas Engineering Private Limited as a Software Trainee Intern from August-22 to September-22.

They have worked on the "Covid Awareness Website" Project under the supervision and guidance of Mr. Murall V. During the internship, she has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in his future endeavors.

For Aideas Engineering Pvt Ltd,

Authorized Signatory

Office Address

Aldeas Engineering PVT, LTD. No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

VISVESVARAYA TECHNOLOGY UNIVERCITY "JNANA SANGAMA", BELGAVI-590018



AN INTERNSHIP REPORT ON "Student Result Management System" Submitted in the partial fulfillment of the requirement for the award the degree of BACHELOR OF ENGINEERING INFORMATION SCIENCE AND ENGINEERING

SUBMITED BY SHRAVYA (1RR19IS037)

INTERNAL GUIDE DR. R BALAKRISHNA Principal RRCE

EXTERNAL GUIDE Ahmad Smart knower Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute)

RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute) (2022-2023)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "STUDENT RESULT MANAGEMENT SYSTEM" (WEB DEVELOPMENT)

Carried out by SHRAVYA (1RR19IS037) The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of Guide Dr. R BALAKRISHNA Principal PrREpai RAJARAJESWARI COLLEGE OF ENGINEERING Pamohalli,Cross, Bengaluru-74 Signature of HOD

Dr. NEHASINGHAE HOD, Prof, DEPT of ISE Rece, Gla. Relatel Bangalance

Signature of Principal Dr. R BALAKRISHNA Principal RREfincipal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA -VOCE

Examiners:

Signature with date:

1

2

COMPANY CCERTIFICATE



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi - 590018



AN INTERNSHIP REPORT ON

"Full Stack Web Development"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

Submitted By

SHREYAS M (1RR19IS038)

Under the guidance of

Dr. J Amutharaj, M.E., Ph.D , FIE

Vice Principal

RRCE, Bengalore



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING [Accredited by NBA & NAAC, Affiliated to VTU, BelagaviApproved by AICTE, New Delhi]

Accredited by NBA & NAAC, Attiliated to V10, Belagavi Approved by H1010, H010, H010,

RAJARAJESWARI COLLEGE OF ENGINEERING [NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



CERTIFICATE

This is to certified that the project work entitled "Full Stack Web Development" is a bonifide work carried out by Shreyas M (IRR19IS038) in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineeringof the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections and suggestion indicated for internal assessment have been incorporated in the report and deposited in the department library. The Internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

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RAIAPA PARTIN

Signati

Dr.J Amutharaj

of the Guide Signature of the Coordinator

Vice Principal

Signature of the HO

Dr. Neha singhal . 60014

RRCE, Bangalore

Vice Principal

RRCE, Bangalore Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. : Vice Principal - Administration Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.

RRCE, Bangalore

11



TEQUED LABS

RECOSNITIO BY

stepr 10

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Shreyas . M

has successfully completed I Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs. Bangalore and has worked on a project titled

Photography Website

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0081

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belgavi - 590018



AN INTERNSHIP REPORT ON

"LANGUAGE TRANSLATOR"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By

SPANDANA G (1RR19IS039)

Internship carried out at

Technofly Solutions

Internal Guide : Dr. R BALAKRISHNA Principal RRCE, Bangalore





Techno fly

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that project work entitled "LANGUAGE TRANSLATOR" Carried out by

Spandana G (1RR19IS039)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide

Dr. R. Balakrishna Principal RRCE: ARBEBWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Examiners:

Signature of HOD ENDS

DreNeha Singhal Prof. & HOD Dept. of ISE RRCE, Bengaluru

External Viva-Voice

Signature of Principal

DR. R. Balakrishna Principal RRCE, Bertincipal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

2.

COMPANY CERTIFICATE TechnoFly Solutions Technofly Internship Certificate This is to certify that Spandane . G a student of Rejarciewari College of Engineering has completed 1 months/weeks of Internship From 20/8/2022 To 20/9/2022 in Full Stack Web Development Domain. We wish you all the best in your future endeavors. Date: 80 9 2022 For TechnoFly Solutions Technoly Solutions, Vistanagar, Baugaker - 40 Moh.: 9661476586, 9741155102 | www.technofy.es

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama" Belgaum-590018



AN INTERNSHIP REPORT ON

"BANGALORE HOUSE PRICE PREDICTION"

A dissertation work submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN INFORMATION SCIENCE & ENGINEERING

> SUBMITTED BY SUHAS H S (IRR19IS040)

Internship carried out at

CONTRIVER, Bengaluru

Internal Guide

External Guide

Dr. Amutharaj. J Prof. & Vice Principal RRCE, Bengaluru Mr. AVINASH KUNDU Contriver, bangalore



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bangalore-560074

(An ISO 9001:2008 Certified Institute) Accredited by NAAC with "A" Grade

(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING Kumbalgodu, Mysore Road, Bangalore- 560074 (An ISO Certified Institute, NAAC "A" Accredited) (2022-23) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that the Internship report entitled "Bangalore house price prediction" carried out by SUHAS H S (IRR19IS040) bonafide student of Rajarajeswari College of Engineering in partial fulfilment for the award of Bachelor of Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

210

Signature of Guide Dr. Amutharaj. J Prof.& Vice Principal RRCE, Bangalore-74 Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. Vice Principal - Administration Vice Principal - Administration RAJAF AJESWARI COLLEGE OF ENGINEERING BANGAEDREF-the Q74 BANGAEDREF-the Q74

.......

Signature of HOD Dr.Neha Singhal, & HOD Prof. & Head, Dept of ISE a & Em ORRCE Bangalores 74 of Provident Rejarrigatore Children

External Viva

Signature of Principal Dr. R BRAKTSINA Principage OF ENGINEERING Ranch Bargatere Principaluru-70

Signature with date



VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"Machine learning algorithm for predicting the risks of chronic diseases "

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

INFORMATION SCIENCE & ENGINEERING

Submitted by SUMUKH K MURTHY(1RR19IS041)

Internship carried out at

IC SOLUTIONS

Internal Guide: Prof. Pavithra N Assistant Professor, Dept. of ISE

External Guide: Mr. GANESH G Product manager IC Solutions



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23) RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

"Machine learning algorithm for predicting the risks of chronic diseases "

Carried out by

SUMUKH K MURTHY (1RR19IS041)

A student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Signature of guide

Prof. Pavithra N Assistant Professor, Dept. of ISE RRCE, Bangalore

Signature of HOD HOD Dr. Neha Singhal Prof. &HOD, Dept. of ISE" RRCE, Bangalore

External Viva-Voce

Signature of Principal Principal [Dr. BARAUSAVKRISHNA] Principal of ENGINEERING CRICE, Bangalogengaluru-7" Ramohalli Cross, gengaluru-7"

Signature:

Examiners:

2022-2023

OFFER LETTER

INTERNSHIP OFFER LETTER



Name Sumakh & Marthy USN-10010018041

Dear Student,

We would like to congratulate can on being selected for the Machine Learning With Python(Research Based) Intenship position with ICsula, effective Start Date 23rd August, 2022. All of us are excited about this opportunity provided to conf

This internship is viewed as being an educational opportunity for you, rather than a part time job. As such, your internship will include training/orientation and focus primatily on learning and developing new skills and gaining a deeper understanding of concepts of Machine Learning With Python(Research Based) through hands on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internable duration.

Again, congratulations and we look forward to working with cost

Sincerely,

Ganesh G Product Manager ICNGAN GMCH Hostel Rd, Kachari Basir Rd Ganeshari, Guwahati, Asiam 784005 VISVESWARAYA TECHNOLOGICAL UNIVERSITY "JNANA SANGAMA", BELAGAVI - 590018, KARNATAKA



AN INTERNSHIP PROJECT REPORT

ON

"ATTENDANCE TRACKER FOR STUDENTS AND

COLLEGES"

A dissertation work submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

UJWAL SHETTY (1RR19IS042)

Internship Carried out at TEQUED LABS, BANGLORE

Internal Guide

Dr. Amuthraj J Vice Principal & Asst. Prof. Dept of ISE External Guide Supreeth Y S Tequed labs, Banglore



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALGODU, MYSORE ROAD, BENGALURU-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "JNANA SANGAMA", BELAGAVI - 590018, KARNATAKA

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING KUMBALGODU, MYSORE ROAD, BENGALURU-560074



CERTIFICATE

Certified that the project work entitled "Attendance Tracker for Students and Colleges" carried out by Mr. UJWAL SHETTY (IRR19IS042), bonafide student of "RajaRajeswari College of Engineering" in partial fulfilment for the eighth semester of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Internship project work prescribed for the eighth semester.

Vice Principal AMARAJESY Stenater

BAIDT. AMUTHRAJ J

Prof. & Vice Principal RRCE, Bengaluru-74

RAG

Signature of HOD OD [Dr. NEHA SINGHAL] Prof. & HOD Dept. of ISE F RRCEiBengalura-74

Signature of Principal [Dr. R BALARRISHNA] RAJARAJESSIMNA] COLLECTIONODUCERING D. RECENERING COLLECTIONODUCERING D. R. RECENERING D. R. R. S. R. C. R

Signature with Date

Name of the examiners

1.

2.

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COMPANY CERTIFICATE



TEQUED LABS RESEARCH AND INNOVATION HUB

#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ujwal Shetty

has successfully completed I Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled.

Attendance Tracker for Students and colleges

Supreeth

CEO Tequed Labs



INTERNSHIP ID : TLS22AUG0382

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belgaum- 590018



AN INTERNSHIP REPORT ON

"Pedestrians and Vehicles Detection Using Image Processing for Road Safety"

Submitted in the partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted by VINAY K V (IRR19IS043)

Internship carried out at TAKE IT SMART, Bengaluru

Internal Guide

Mr Dinesh Kumar Associate Professor Dept. of ISE, RRCE

External Guide

Mr. Suraj Software developer TAKE IT SMART



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560091 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belgaum)



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



Certified that internship report work entitled

"Pedestrians and Vehicles Detection Using Image Processing for Road Safety"

Carried out by

VINAY K V (1RR19IS043)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work.

Signature of Guide

Mr Dinesh Kumar Associate Professor Dept, of ISE, RRCE, Bengaluru Signature of HOD . caro

Dr. Neha Singhal Associate Prof. & HOD, Dept, of ISE, RRCE, Bengaluru

External Viva-Voice

RACE

COREGEORIENGINEERING

Examiners:

Signature





VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi – 590018



AN INTERSHIP REPORT ON

"IRIS DATASET"

Submitted in the partial fulfilment of the requirement for the award of the degree BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

By

VISHRANTH K H

(1RR19IS044)

Internal Guide

Dr.JAmutharaj,ME,PhD,FIE Vice Principal, RRCE,Bengalore **External Guide**

Mr. Adithya S K CTO, TEQUED LABS





DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(2022-23)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENTOF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that internship report work entitled

"IRIS DATASET"

Carried out by

VISHRANTH K H (1RR19IS044)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of Bachelor Of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Dr.J. AMUTHARAJ, ME, Ph.B. Vice Principal - Administration BANGAE BANG AS BANG AS

[Dr.J Amutharaj,ME.Ph.D.FIE]

Vice Principal

Dept of ISE

RRCE, Bengaluru

1202

Signature of HOD

Dept of ISE out

RRCE Bengaluru

[Dr. Neha Singhal] [Dr. R Balakrishna] HOD, ressor

Principal,

RRCE, Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature of Principal

External Viva Voice:

Examiners:

1.

2.

Signature



TEQUED LABS

#startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishranth K H

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Iris database

Supreeth Y S

CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0586

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belgavi - 590018



AN INTERNSHIP REPORT ON "FULL STACK WEB DEVELOPMENT : MCQ TEST TAKING PLATFORM"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE & ENGINEERING

Submitted By SRINIVAS K(1RR18IS046) Internship carried out at TEQUED LABS, Bengaluru

> External Guide Mr. Nithin C Naik Software Developer Tequed Labs, Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-23)

02

Mrs. Rathidevi T Assistant Professor Dept. of ISE, RRCE
RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi) DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FULL STACK WEB DEVELOPMENT : MCQ TEST TAKING PLATFORM"

> Carried out by SRINIVAS K(1RR18IS046)

The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of guide Mrs.Rathidevi T Assistant Prof. Dept. of ISE RRCE, Bengaluru

200

Signature of HOD Dr. Neba Singhal and Singhal Associate Prof. & HOD Dept. of ISE Rajaro RRCE, Bengaluru

Signature of Principal

DR. R Balakrishna Prof. & Principal RREE, Bengalun COLLEGE OF ENGINEERING Camohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

Signature:

COMPANY CERTIFICATE



TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

SRINIVAS K(1RR18IS046)

has successfully completed I Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ TEST TAKINGPLATFORM"

INTERNSHIP ID : TLS22AUG754

Supreeth Y S CEO Tequed Labs

VISVESVARAYA TECHNOLOGY UNIVERCITY "JNANA SANGAMA", BELGAVI-590018



AN INTERNSHIP REPORT ON "File Management System" Submitted in the partial fulfillment of the requirement for the award the degree of BACHELOR OF ENGINEERING INFORMATION SCIENCE AND ENGINEERING

SUBMITED BY

ANUSHREE K(1RR20IS400)

INTERNAL GUIDE DR. R BALAKRISHNA Principal RRCE EXTERNAL GUIDE RAKESH PANDEY BEL Bengaluru



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute)

RAJARAJESWARI COLLEGE OFENGINEERING Kumbalgodu, Mysore road, Bangalore-560074 (An ISO 9001:2008 Certified Institute) (2022-2023)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING



CERTIFICATE

Certified that project work entitled "FILE MANAGEMENT SYSTEM" (WEB DEVELOPMENT)

Carried out by Anushree K (1RR20IS400) The student of "Rajarajeswari College of Engineering" in partial fulfillment for the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022–2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Eighth semester.

Signature of Guide Dr. R BALAKRISHNA RAJRRSBUARI COLLEGE OF ENGINEERING Ramohalli Cross, Bangaluru-74

72023

Signature of HOD Dr. NEHA SINGHAL HOD, Prof. DEPT of ISE RRCE RRCE COLLEGE OF ENGINEERING Ramoball Cross, Derrol 70

EXTERNAL VIVA -VOCE

Examiners:

Signature with date:

1

2

COMPANY CCERTIFICATE 0 Skill India CENTRE FOR LEARNING AND DEVELOPMENT BILARAT ELECTRONICS LIMITED (A Govt, of India Enterprise, Ministry of Defence) Jalahalli Post, Bengshora - 560 013, India Certificate This is to certify that Sri./Smi/Kum Anushrer . K Ref No. 1410/ CLQ/MR. 10022 28.127.1846 student of . Bajarajeshwasi. College ... Of Engineering ... Bungaleze carried out Project Wark/Internship on File Management SBU/CSG of BEL, Bengalura from . . . 12. Stp. . 2929. . . 10.... 11. Oct. 2022 ... He/She was regular and punctual in his/her attendance and his/her conduct was satisfactory during the period. Project/interophin Guide Hend (HR/CLD) Date : II - 10 - 30 Place : Bengaluru

RajaRajeswari College of Engineering

(Approved by AICTE, New Delbi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST Department of Information Science and Engineering

INTERNSHIP REVIW SCHEDULE FOR 8TH SEM STUDENTS

DATE: 27/02/2023

All the 8th sem final students are hereby informed that their Internship Review will be conducted as per the below mentioned schedule.

Internship Review 1: 7/03/2023(TUESDAY : 9.00AM-4PM)

Internship Review 1	DATE/TIME	USNS
Internship Review 1 BATCH 1	7/03/2023(TUESDAY: 9.00AM-11.00AM)	1RR19IS001-1RR19IS019
Internship Review 1 BATCH 2	7/03/2023(TUESDAY - 11.00AM-1.00 PM)	1RR19IS020-1RR19IS035
Internship Review 1 BATCH 3	7/03/2023(TUESDAY: - 02.00PM-4.00 PM)	1RR19IS036-1RR20IS400

Internship Review 2: 28/03/2023(TUESDAY: 9.00AM-4PM)

Internship Review 2	DATE/TIME	USNS
Internship Review 2 BATCH 1	28/03/2023 (TUESDAY: 9.00AM-11.00AM)	1RR19IS001-1RR19IS019
Internship Review 2 BATCH 2	28/03/2023 (TUESDAY: - 11.00AM-1.00 PM)	1RR19IS020-1RR19IS035
Internship Review 2 BATCH 3	28/03/2023 (TUESDAY - 02.00PM-4.00 PM)	1RR19IS036-1RR20IS400

Intership Review 3 : 04/05/2023(THRUSDAY: 9.00AM-4PM)

Intership Review 3	DATE/TIME	USNS
Intership Review 3 BATCH 1	05/05/2023(THRUSDAY: 9.00AM-11.00AM)	1RR19IS001-1RR19IS019
Intership Review 3 BATCH 2	05/05/2023(THRUSDAY: - 11.00AM-1.00 PM)	1RR19IS020-1RR19IS035
Intership Review 3 BATCH 3	05/05/2023 (THRUSDAY: - 02.00PM-4.00 PM)	1RR19IS036-1RR20IS400

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KUMBALGODU, BANGALORE-74

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Internship Review

1/03/2023

NOTE

All 8th semester final year students are hereby informed to note Dr. Neha Singhal is coordinator for 8th SEM academic internship review for the year 2022-2023. Further students are informed to follow the below instructions and submit the details to coordinator in time.

SI. No	Events (Project concerned)	Due date on or before
1	Internship progress review - I (8-10 pages report)	7/03/2023(MONDAY: 9.00AM- 3PM)
2	Internship progress review - II (8-10 pages report)	28/03/2023(MONDAY: 9.00AM- 3PM)
3	Internship progress review - III (8-10 pages report)	5/05/2023(THURSDAY: 9.00AM- 3PM)
4	Final Demo with submission of internship report	

Note: i) Students are informed to stick to due dates (on or before) column.

ii) Students should carry out their academic internship under the guidance of respective allotted internal and external guides.

Signature of the coordinator

t Englacering Bangaloro - 603 014.

BANGALORE-74

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

FINAL YEAR ACADEMIC INTERNSHIP 2022-2023

Guides allotment

SL. NO	USN	STUDENT NAME	UDENT NAME GUIDE	
1	1RR20IS400	ANUSHREE K	K Ratehitha.	
	1RR19IS037	SHRAVYA	- Kars	Star
	1RR19IS039	SPANDHANA G		
	1RR18IS028	NISCHHITHA B		
2	1RR19IS011	JNANASHREE S	Diattha	-
	1RR19IS016	MONISHA K	- anarora	3-
	1RR19IS019	NIDHIKSHA A	Kumar .	-
	1RR19IS022	NISCHITHA K N		
3	1RR19IS024	NIVAS GOWDA	Di Neho Singeler	47
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	1RR19IS015	MONIKAA		
4	1RR19IS004	CHANDAN D	Do Neho Sinerles	
1	1RR19IS012	BALAJI M		
	1RR19IS018	NAVEEN KUMAR D K		
5	1RR19IS007	DEEKSHITHA M	m. Dinezh	
	1RR19IS029	RAMYA	Kumar	ame
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T	1RR19IS020	NIKITHA S DESHPANDE	1	
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	1RR18IS017	HARSHITHA M		
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7	1RR19IS027	PRAJWAL H M		CLUS
	1RR19IS028	PRAJWAL H S	Devi T	-
	IRR19IS033	SACHIN R M	1. N	
8 1	IRR19IS008	DHAWALASHREE B K	Dr. T. Amutha	
1	IRR19IS003	ARPITHA G		
	RR19IS038	SHREYAS M	Ray	
1	RR19IS044	VISHRANTH K H	i J	
) 1	RR19IS034	SANJAI KUMAR R	Vitauolovai	
1	RR19IS030	ROHAN H	- Jamonini	
1	RR19IS032	VISHNU SHARMA	Joshi	
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1RR19IS025	NIVEDITHA V		
1RR19IS036	SHALINIK	Mrs Yavithia	4.10
1RR19IS041	SUMUKH K MURTHY	-	Ower
1RR19IS026	POORINMAR	mit Prithin	
1RR18IS004	BHAVANAN	- mis favimice	aban
1RR18IS040	SACHIN M RATHOD	-	Paine
1RR19IS017	NANDEESH D B	me. Ciechana m.N.	
1RR19IS040	SUHAS H S		O bert
1RR19IS042	UJWAL SHETTY	-	Sim
1RR19IS001	A R SHALINI	ma Siechanam N	-
1RR19IS002	ANANYAS		N 0
1RR19IS006	DARSHINI G	-	0. 29
1RR19IS021	NISCHITA L		51
	1RR19IS025 1RR19IS036 1RR19IS041 1RR19IS026 1RR19IS026 1RR18IS004 1RR18IS004 1RR19IS017 1RR19IS040 1RR19IS042 1RR19IS001 1RR19IS002 1RR19IS006 1RR19IS021	IRR19IS025NIVEDITHA VIRR19IS036SHALINI KIRR19IS041SUMUKH K MURTHYIRR19IS026POORINMA RIRR18IS004BHAVANA NIRR18IS040SACHIN M RATHODIRR19IS017NANDEESH D BIRR19IS040SUHAS H SIRR19IS042UJWAL SHETTYIRR19IS001A R SHALINIIRR19IS002ANANYA SIRR19IS021NISCHITA L	IRR19IS025NIVEDITHA VMrs. PavithiaIRR19IS036SHALINI KMrs. PavithiaIRR19IS041SUMUKH K MURTHYMrs. PavithiaIRR19IS026POORINMA Rmrs. PavithiaIRR18IS004BHAVANA NMrs. PavithiaIRR18IS040SACHIN M RATHODMrs. Sinchona, m.N.IRR19IS017NANDEESH D BMs. Sinchona, m.N.IRR19IS040SUHAS H SMrs. Sinchona, m.N.IRR19IS042UJWAL SHETTYMrs. Sinchona, m.N.IRR19IS001A R SHALINIMrs. Sinchona, m.N.IRR19IS002ANANYA SMrs. Sinchona, m.N.IRR19IS021NISCHITA LMrs. Sinchona, m.N.

INTERNSHIP COORDINATOR

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RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Information Science and Engineering

SL.	USN	NAME		Internship M	arks	FINAL	GUIDE SIGN
			REVIEW 1	REVIEW 2	REVIEW 3	MARKS	
1	IRR18IS004	BHAVANA N	96	96	96	96 (38)	Pasto N
2	1RR18IS017	HARSHITHA M J	90	- 90	93	91(36)	mound
3	1RR18IS028	NISCHITHA B	90	90	90	90(36)	
4	1RR181S040	SACHIN.M.RATHOD	95	95	95	95(38)	Butter .
5	1RR18IS046	SRINIVAS K	95	95	95	9 5(38)	and -
6	IRR19IS001	A R SHALINI	96	96	96	96(38)	à.
7	1RR191S002	ANANYA S SUVARNA	95	95	95	9.5(38)	d'
8	1RR19IS003	ARPITHA G	97	95	96	9 6(38)	builture
9	IRR19IS004	CHANDAN D	92	90	94	9 2(37)	~ ~
10	1RR19IS006	DARSHINI G	95	93	98	95(38)	X
11	1RR19IS007	DEEKSHITHA M	95	97	99	97739)	noom
12	IRR191S008	DHAWALASHREE B K	100	100	100	100	butters
3	1RR19IS011	JNANASHREE S	99	27	38	9,800	buston
14	IRR191S012	M BALAJI	94	94	94	9438)	
15	1RR19IS013	MANOJ P	85	95	97	92(37)	mand
16	1RR19IS015	MONIKA A	98	99 .	97	98(39)	
7	1RR19IS016	MONISHA K G	98	98	98	9 8(39).	b.t.
8	IRR191S017	NANDEESH D B	95	95	35	9538)	Law in
9	1RR19IS018	NAVEENKUMAR D K	99	100	98	99/40)	a
0	IRR191S019	NIDHIKSHA A	95	97	96	9608	6.110
r	IRR191S020	NIKITHA S DESHPANDE	85	90	96	3000	maner

Internship IA Marks VIII Sem Academic Year 2022-2023

Campus: #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

Phone: +91-80-28437124 / 28437375

Ernail Id:



RajaRajeswari College of Engineering

(Approved by AICTE, New Delbi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi) Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Information Science and Engineering

2	2 IRR19150	21 NISCHITA L	92	92	92	92137
2	3 IRR19IS0	22 NISHCHITHA K	N 96	96	96	9638 buttures
2	4 1RR19150	23 NITHYASHREE	T 95	96	97	9608
2	5 1RR19150	24 NIVAS GOWDA	95	94	96	9 5(38)
20	S IRR19IS02	15 NIVEDITHA V	95	95	95	95(38) Pusitin
27	IRR191502	6 POORNIMA R	98	98	98	9809 Pauton
28	1RR19IS02	7 PRAJWAL H M	98	98	95	9709 800-
29	IRR191502	8 PRAJWAL H S	99	100	99	99(m)805-
30	1RR19IS02	9 RAMYA B	95	98	98	97(34) moderal
31	IRR191503	ROHAN, H	99	100	150	10014growtugt
32	1RR19IS03	S INDIRA PRIYADARSHINI	١٩	95	98	9 5(32) modered
33	1RR191S032	S VISHNU SHARM	4 97	95	96	9638 burthing
34	1RR19IS033	SACHIN R M	95	90	95	93(37) (TD
35	1RR19IS034	SANJAIKUMAR R	92	96	94	94(38) burting
36	1RR19IS035	SANJAY S	97	97	97	9-7(39)
37	1RR191S036	SHALINI K	42	97	97	97(39) Parton
38	1RR19IS037	SHRAVYA	96	97	98	97(39)
59	1RR19IS038	SHREYAS M	89	90	90	901362 Anthret
40	1RR19IS039	SPANDANA G	90	90	90	9039
41	1RR191S040	SUHAS H S	94	93	94	94(38) 2
12	IRR191S041	SUMUKH K MURTHY	95	95	95	95(38) P. Hor
13	IRR191S042	UJWAL SHETTY	94	93	94	94(38) VA
4	1RR19IS043	VINAY K V	90	90	95	92(37) moderes
5	1RR1915044	VISHRANTH K H	91	92	93	9207) A study
6	IRR201S400	ANUSHREE	94	95	93	94(38)

Campus: #14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

Phone: +91-80-28437124 / 28437375

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: ARPITHA ON IRRIGISCO3

Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr. J Arnutharray

Name of the External Guide: Mr. Adithya Sk

Review 1 (100 Marks)

SI,	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	ARPITHAG	IRRIGISS	39	39	19	97

Review 2 (100 Marks)

SI. No	Name	USN .	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Aspither G	1RR1925003	38	38	19	95

Review 3 (100 Marks)

SI. No	Name	USN -	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Aipitha G	IRRIAIS 603	39	39	18	96

Atra Signature of Internal guide with date

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8¹¹¹ Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: ARPITHA & IRRIGISOO3

Title of the Internship: IRIS DATASET Name of the Internal Guide: DY J Arruthary Name of the External Guide: Nr Aduthya SK.

SI. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
Р	Azpitha G.	IRRI9IS 003	97	95	96	96

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gnature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8¹¹¹ Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: DHAWALASHREE BK IRR1975008 Title of the Internship: Nebsite Development - wording planning website Name of the Internal Guide: Dr. J Amutharry

Name of the External Guide: Maywer Dev Sewark

Review 1 (100 Marks)

elo	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Phawalashin BK	IRRIGISO08	40	40	20	100

Review 2 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Dhawaloshree BK	1RR1915008	40	40	20	100

Review 3 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Dhawaloshiee BK	1RR1925008	40	40	20	100

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Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8¹¹¹ Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: DHAWALASH REE BIC IRR 19 ISOOR Title of the Internship: Website Development - wedding Planning website Name of the Internal Guide: Dr. J Amuthary Name of the External Guide: Mayor Dev Sewak

No		USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
ŀ	Dhawalo Shiee BK	IRRIGIS 008	100	100	100	100

Signature of Internal guide with date

Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: DHAWALASHREE BK IRR1975008 Title of the Internship: Nebsite Development - wordding planning website Name of the Internal Guide: Dr. J Amutharry Name of the External Guide: Maywer Dev Sewak

Review 1 (100 Marks)

SI.	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Phawalashin BK	IRRIGTSOO8	40	40	20	100

Review 2 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Dhacoaloshree BK	IRR19IJ008	40	40	20	100

Review 3 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	Dhawaloshree BK	1RR1925008	40	40	20	100

straf Signature of Internal guide with date

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8⁷¹¹ SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: DHAWALASHREE BIC IRRIGISOOR Title of the Internship: website sevelopment - wedding planning website Name of the Internal Guide: Dr. J Amutharay Name of the External Guide: Mayor Der Sewak

140		USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
•	Dhawala Shiee BK	IRRIGIS	100	100	100	100

Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8^{TII} Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: Tranash yee S CIRR 19 ISO11)

Title of the Internship: Full Slace web development: personal Pattfolia

Name of the Internal Guider

Name of the Internal Guide: 38.J. Arnuthary

Name of the External Guide: mr. nithin C noi k

Review 1 (100 Marks)

SI.	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Jananas hree S	IRRIGIS DII	40	40	19	99

Review 2 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Jannanashree S	IRR 1925	39	40	18	97

Review 3 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Jananashree S	IRRIQI SOII	40	40	18	98

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING 8⁷¹¹ Semester 2022 - 2023 8⁷¹¹ SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: Inanashree & (IRRIGISOII) Title of the Internalin: Full Stack web development: Pessonal Portfolia Name of the Internal Guide: DI.J. Amutharay Name of the External Guide: mi. nittin c naik.

No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)	1
	Jananash Jananash	OLI	29	97	98	98	1

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Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: monisha KG (IRRIG ISOLG)

Title of the Internship: full start web development : pernsonal puttolia aunator of

Name of the Internal Guide: D7.7 now thazey

Name of the External Guide: mr. nithin C ncu'k.

Review 1	(100 Marks)
----------	------------	---

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	monisha 164	1881955 016	39	40	19	98

Review 2 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	monisha k q	1RR 19 IS 016	39	39	20	98

		Review	3 (100 Marks)		
SI. No	Name	USN -	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	monisha IC G	IRRIG TS	40	39	19	98

Signature of Internal guide with date

4 Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: monigha KG (IRRIGISO16)

Title of the Internship: Full Stack web development: personal Portfolia Name of the Internal Guide: 27. J. Amutharaj Unirwgi Name of the External Guide: mr. nithin c naik

No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1	monisha 16 G	IRRIGIS 016	98	98	98	.9 <i>8</i>

Signature of Internal guide with date

Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: Nichiksha A CIRRIAIS019)

Title of the Internship: Full stack web development : Responsive job Portal. Name of the Internal Guide: 37. 3 Amuharaj

Name of the External Guide: ma.nition c. noile

Review 1 (100 Marks)

No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	nidniksha A	1. RE1935	39	39	17	95

Review 2 (100 Marks)

No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Nidhiksha A	IRRIAJS 019	39	39	19	97

		Review	3 (100 Marks)		
SI. No	Name	USN -	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	widhitsha A	IRRIAIS	39	39	18	96

Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: widhirsha A (IRRIGISO19)

Title of the Internship: Full Stace web divelopment: Responsive job Ported Name of the Internal Guide: Dr. J. Amutharaj Name of the External Guide: mr. nithin C neuk

No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Nidhirsha A	VRR 1915 019	95	97	96	96

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RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: ROHAN H (IRRIG JS 030)

Title of the Internship: Artifical Intellegence and machine learning Zomado Name of the Internal Guide: Dr. j. Amatharaj Name of the External Guide: Mr. Aditya Sk

Review 1 (100 Marks)

SI.	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Rohan	IRRIAIS 030	40	40	19	99

SL No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Rohan H	1RR1915 030	40	40	20	100

Review 2 (100 Marks)

Review 3 (100 Marks)

SI. No	Name	USN .	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Rohan H	1RRIGIS 030	40	40	20	100

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RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: Rohan H (IRR 19 IS 030)

Title of the Internalin: Artificial Interregence and machine learning Name of the Internal Guide: Dr. J. Amutharay Name of the External Guide: Mr. Aditya SK

SI. No	Name	USN -	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)	-
-	Rohan H	18819IS 030	1 99	100	100	100	

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Psignature of HOD-ISE Dept citation Science & Engl-Reparajestion College of furgineering Bangalora - Silo 274

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: S. UISDOU Sharma (IRR1955032) · Title of the Internship: Credit Card Fraud Detection Sulaset Name of the Internal Guide: Dr. J. A muthary Name of the External Guide: Mr. Aditya SIL

Review 1 (100 Marks)

0	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
3. vishi Sham	na 1222	39	39	19	97

Review 2 (100 Marks)

No	Name	IRRIGIS	PPT (40 Marks)	Report(40 Marks)	Viva (20) [7	Avg Total Marks (100 Marks) 9 5
	s.vishnu sharma					
-						1000

Review 3 (100 Marks)

No	Name	USN -	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	3. Uishnu shormo	IRRIA IS	39	39	18	96

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RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: g. vishny Shama (IRR 19 JS032) Title of the Internship: Credit Card Froud delection Davaset Name of the Internal Guide: Dr. J. A matharcy Name of the External Guide: mr. Adilya Sk

No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Svishnu Shaima	1881935 032	97	95	96	96

nature of Internal guide with date



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8TH Semester 2022 - 2023

8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: Sanjai Kuman (IRRI9IS034) Title of the Internship: Indian used bikes dura

Name of the Internal Guide: Dr. J. Amutharcy

Name of the External Guide: mr. Actitya Sic

R.

SL

Review 1 (100 Marks)

Ř	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)	
1	Sanjeli Kumar R	IRRIGIS 034	39	39	10	92	

Review 2 (100 Marks)

No	- Ini	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100
	Sanjai Lumar R	IRRIGIS	38	38	20	Marks)
-		034			~ ~	30

Review 3 (100 Marks)

	Name	USN	DDT (46	1			
No		CSIN	Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100	
	Sanjai Kumor R	18R 1915 034	38	38	18	Marks)	

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of Internal guide with date

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING 8⁷¹¹ Semester 2022 - 2023 8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: ganjaya Kumar R (IRRI9JS034) Title of the Internship: Indian used bikes dued

Name of the Internal Guide: Dr. J. Amutharcy

Name of the External Guide: Mr. Aclitya & K

No.	Name	USN	Review 1		1		
			(100 Marks)	(100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)	
	Sanjaya Kumar R	R IRRIGIS	92	96	۹n	qu	
				1.0	5,	-1	

Signature of Internal guide with date

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Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8¹¹¹ Semester 2022 - 2023

8th SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: SHREYAS M IRRIGISO38 Title of the Internship: Full Stack web Development Name of the Internal Guide: Dr. J Arnutharcy Name of the External Guide: Supreeth Y S

SI.	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	shreyas m	IRRIGIS 038	35	35	19	89

Review 1 (100 Marks)

Review 2 (100 Marks)

SI. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
r	SHREYAS M	1RR19IS 038	38	38	14	90

Review 3 (100 Marks)

SI. No	Name	USN -	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
ŀ	SHREYAS M	IRR 19TS 038	35	35	20	20

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING 8TH Semester 2022 - 2023 8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: SHREYAS M Title of the Internship: FULL Stack web Lovelopmont Name of the Internal Guide: Dr. J Amutharaf Name of the Internal Guide: Dr. J Amutharaf Name of the External Guide: Supreeth Y S

1.	Shewar	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)	0
	sineyas m	038	89	90	GE	90	

Signature of Internal guide with date

Signature of HOD-ISE

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

8^{TII} Semester 2022 - 2023

8⁷¹¹ SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS

Name of the Students with USN: VISHRANTH KH IRRIGISO44 Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr. J Arnuthana;

Name of the External Guide: MS. Adithyo S K

Review 1 (100 Marks)

- mile	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
VISHRANTH KH	IRRIAJSOHK	39	35	15+2	91

Review 2 (100 Marks)

Ma	Name	LICK	Particular de la companya de la comp	-		
NO		USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
'	VISHRANTH K H	IRRIGISONA	39	39	10	(T o
10				60000 C C C	. 4	12

Review 3 (100 Marks)

SI.	Name	I USN	DDCCCO	1		
No		-	Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100
1	UISHRANTH K H	IRRI935044	40	35	17	93
_						55

Signature of Internal guide with date

SL.

Signature of HOD-ISE

RAJARAJESWARI COLLEGE OF ENGINEERING DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING 8TH Semester 2022 - 2023 8TH SEM STUDENT INTERNSHIP REVIEW EVALUATION MARKS Name of the Students with USN: VISHRAOTH K M (JRR)938044) Title of the Internship: JRIS DATRET Name of the Internal Guide: DS: J AMOTHON Name of the Internal Guide: DS: J AMOTHON Name of the External Guide: MS. Addither S K

S	I. Name	USN				
		- SI	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1	VISHRANTH K H IRRI	938044	91	92	99	92

fature of Internal guide with date

Signature of HOD-ISE







RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Goutham M

has successfully completed 1 Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Online C / C++ / Java Compiler with Test cases validation

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0087

COMPANY CERTIFICATE



TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Govardhan G P

has successfully completed I Month Internship in Data Science from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Parkinson Disease

396 Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0396

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	Internship Ce	rtificate	~
This is to remark to Couloge o This data to	un Gunasper.n.a f Engineering haxed aa/9/22 in Fuel Stacn	a student of R mpletod OI national an DEB DEVEAD	catel Hackes An all the table All Decision
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		them.	and a let


TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Harshitha D

has successfully completed 1 Month Internship in Cyber Security and Ethical Hacking from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Image Encryption

INTERNSHIP ID : TLS22AUG0596

Supreeth Y S CEO Tequed Labs



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Harshitha Jayasree R

has successfully completed 1 Month Internship in

Data Science

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Heart Attack Analysis and Prediction

Χ.

Supreeth Y S CEO Tequed Labs

TechnoFly Solutions Techno Internship Certificate This is to certify that HARSHITHA.V a student of RAJARAJUSHUARI (OLLEGE OF ENGINEERING has completed 01 months/weeks of Internship From 22/08/22 To 22/09/22 in JULL STACK WEB DEVELOPMENT Domain.

We wish you all the best in your future endeavors.

Date : 22 9 22

For TechnoFly Solutions



Technofly Solutions, Vijayanagar, Bangalore - 40. Mob.: 9663476586, 9741150102 | www.technofly.in



Honeywell Technology Solutions Lab Pvt. Ltd. Survey No. 96 & 97, Boganahalli Vitage, Survey No. 72/2 & 72/5, Doddakarmahalli Vitage, Varithur Hobil, Bengaluru 560 103 Tel : +91 80 2658 8360 Fax No : +91 80 2658 8360 CIN No : +91 80 2658 4750 CIN No : U72200KA1994FTC016379 HTS-Commenced Streeged Long

21 February 2023

Hemanth R H532145

TO WHOMEVER IT MAY CONCERN

This is to certify that Hemanth R is working with us as an Intern Bachelors Data Science at Honeywell Technology Solutions Lab Pvt. Ltd. in the project titled:

APPLICATION OF ADVANCED ANALYTICS IN PRICING, SUPPLY CHAIN & PORTFOLIO SIMPLIFICATION FOR AERO

This project has been carried out as a partial fulfillment of the Degree Course.

For any verification on the above details, please emai Hrhelp/ii honeywell.com

For Honeywell Technology Solutions Lab Pvt. Ltd.,

Maricha Goel

Manisha Goel Director HR



Company Identification Number : U72900KA2019PTC125249

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that HEMAVATHI R bearing USN: 1RR19CS048 has successfully finished her internship with Aideas Engineering Private Limited as a Software Trainee Intern from August-22 to September-22.

They have worked on the "Healthcare Website" Project under the supervision and guidance of Mr. Murali V. During the internship, she has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

For Aideas Engineering Put Ltd,

unal 2 (manun

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD. No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

TechnoFly Solutions Technof Internship Certificate a student of Raja Rajeshwar? This is to certify that HRITHIK. K.A. has completed _____ months/weeks of Internship College of Engeneering has completed 1 months/weeks of Internship From 20/8/22 To 19/9/22 in Machine Learning Using Python Pomain. We wish you all the best in your future endeavors. Date : 19922 For TechnoFly Solutions Technofly Solutions, Vijayanagar, Bangalore - 40.

Technofly Solutions, Vijayanagar, Bangalors - 40. Mola: 9663476586, 9741150102 | www.technofly.in



INTERNSHIP CERTIFICATION

This is to certify that

H Swetha Deshmukh

has successfully completed internship program in Web Development from 25th Sep, 2022 to 25th Nov, 2022. During the internship, the student was found to be dedicated, hardworking and diligent.

ACADEMIC HEAD



DIRECTOR SIGNATURE



RAJARAJESWARI College of Engineering

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-74

Student ID Card



Name :H Swetha Deshmukh Branch : CSE USN No : 1RR19CS042 Validity :2019-2023

Principal

	Ð		STUDENT COPY	xam Center: RR	on	Registrar (Evaluation)
TECHNOLOGICAL UNIVERSITY, BELAGAVI ET FOR B.E EXAMINATION MAY / JUNE / JULY 2023	: 1RR19CS042 NO: 0309FF45 Date: 12-05-2023	: H SWETHA DESHMUKH	Phys (18CSS84	of candidate before issuing the admission ticket.	A STATE OF	Signature of the Principal with seal
VISVESVARAYA	1. UNIVERSITY SEAT NO.	2. NAME OF THE CANDIDATE	3. SUBJECTS APPLIED	Note: Please verify the eligibility of This is Electronically Generated Ac	T	Signature of the Candidate

12/05/2023, 1

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BANGALORE-560074

(An ISO 9001:2008 Certified Institute) (Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that Internship entitled

"ONLINE JOB PORTAL"

Carried out by

H SWETHA DESHMUKH (1RR19CS042)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

Signature of guide

Dr. SUSHA Prof &HOD, Dean research, Dept of CSE RRCE, Bangalore

Examiners: Mariala 8

Signature of HOD

[Dr. S USHA] Prof &HOD, Dean research. Dept_of CSE RRCE, Bangalore

External Viva-Voce

Signature of Principal

[Dr. R. BALAKRISHNA] Principal Principal RRCE, IRALARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature:

VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Jnana Sangama", Belagavi- 590018



AN INTERNSHIP REPORT ON

"ONLINE JOB PORTAL"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

Submitted by H SWETHA DESHMUKH (1RR19CS042)

> Internship carried out at Coincent.ai,Bangalore

Internal Guide

Dr. S Usha Prof. &HOD, Dean-Research. Dept. of CSE, RRCE



External Guide

Ms. Mridula Chhetri Software Developer Coincent.ai



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING MYSORE ROAD, BANGALORE-560074 (An ISO 9001:2008 Certified Institute) (2022-2023)







RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

KVHimasai

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Wine quality data set

Supreeth Y S CEO Tequed Labs







RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Jahnavi H P

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Fake news detection

Supreeth Y S CEO Tequed Labs





Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that Ms. JESICA GV bearing USN No: 1RR19CS053 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd, Bangalore. The internship period was from 19th Aug 2022 to 19th Sept 2022 under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR



TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

K SHIVUKUMAR

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ Test Taking Platform - Tequed Labs

INTERNSHIP ID : TLS22AUG0437

Supreeth Y S CEO Tequed Labs

INTERSHIP CERTIFICATE

RISH}

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that Mr. KARTHIK ERAPPA bearing USN No: 1RR19CS057 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

He has successfully completed his internship project at Krish Software Services (India)Pvt. Ltd, Bangalore. The internship period was from 19th Aug 2022 to 19th Sept 2022 under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of his Internship Program with us, he was found to be hard working & sincere. His association with us was very fruitful & we wish him all the best in his future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR



Date: 30/09/2022

To whomsoever It May Concern

This is certified that Ms. Kavana D a student of RajaRajeshwari Collage of engineering, Bangalore-74, pursuing 6th semester (Computer Science Engineering) has undergone Internship in our organization from 1st September 2022 to 30th September 2022.

We wish her in her future endeavours."

For Key Sustainability Solution Private Limited.

Shridhar Rajappanavar Founder & CEO



Kary Sustainability Solutions Pvt Ltd Renachtodas Contertion Hab 5452 2nd Roon, an Canar Road New BEL Rd: batted fragely Mational Road, M S M Nagar, Benjakaw, Karnasad 500051 Physiol-Biological Road, and adolphysical and By Ston

Inventeron To Reg. No : AAB9565
INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP
CERTIFICATE OF INTERNSHIP
This is to certify that Mr/Ms. Keen than Gowada H.K
has completed internship on Linear Regrettion Analysie on Continuous data for Machine Learning trom 05 SEP 2022 to 05 Oct 2022 successfully:
We wish this intern all the best for future endeavours.
CIVIDER OF BIOT States & O Managing Director WWW.inventeron.com



TEQUED LABS RESEARCH AND INNOVATION HUB



CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Keerthan R

from 1st September 2022 to 30th September 2022 of Tequed Labs, Rangalore and has worked on a project titled

Online C / C++ / Java Compiler with Test cases validation

Supreeth V S CEO Tequed Labs



Bosch Automotive Electronics India Pvt. Ltd. Building 703, Naganathapura P.B. No. 10029 Electronics City Post Office Bangalore - 560 100 India

PAN No. AADCB4330L CIN No. U29221KA2008PTC045987

09.11.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Keerthana H S of Rajarajeshwari college of engineering, Bangalore, has completed internship in our company from 01.09.2022 to 31.10.2022.

During the above period, the candidate has gained knowledge on the following:

- Overview of automotive electronic manufacturing & I4.0
- Knowledge Management System & Andon System Testing
- Outsystems Research and application.

Her interaction with the colleagues, grasping ability, conduct, attendance and overall performance were satisfactory.

We wish Ms. Keerthana H S success in future Endeavors.

For Bosch Automotive Electronics India Private Limited.

Chardeskala

(Chandrakala Basavaraju) Deputy Manager-Human Resources



Registered Office: Building 703, Naganathapura, P.B. No. 10029, Electronica City Post Office, Bangalore 560 100, India



tcsicn

CERTIFICATE 0/ INTERNSHIP

This is to certify that

Keerthana R

has successfully completed Remote Internship

for <u>125</u> hours in project titled

Rank Features of a Smartphone - Build a Python Application to Classify and Rank Dataset

by TCS iON from <u>19 Aug 2022</u> to <u>20 Sep 2022</u>

TCS ION REMOTE INTERNSHIPS

Academic Credits with Industry Mentors Cert. ID.: 818-23210899-1016 Dated: 20 Sep 2022



Mchul Mchea

Mehul Mehta Global Delivery Head - TCS iON, Tata Consultancy Services





TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

K YASHWANTH CHOWDARY

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Job portal

Supreeth Y S CEO Tequed Labs

Date: 30/09/2022

To whomsoever It May Concern

This is certified that Ms. Keerthans S a student of RejaRajeshwari Collage of Engineering. Bangalore-74, parsning 6th semester (Computer Science Engineering) has undergone Internship in our organization from 1th September 2022 to 30th September 2022.

We wish her in her future endeavours.

SUNTAHEABILD TY

For Key Sustainability Solution Private Limited.

Shridhar Rajappunavat Founder & CEO



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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Kesari Nandan K S

has successfully completed 1 Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Online C / C++ / Java Compiler with Test cases validation

Supreeth Y S CEO Tequed Labs



CERTIFICATE OF INTERNSHIP

This is to certify that **Kiran N** whose USN is **1RR19CS065**, has completed their **Machine Learning With Python(Research Based)** Internship organised and handled by **Compsoft Technologies** from **23rd August**, **2022** to **27th September**, **2022**.

The person to whom this certificate is addressed to has worked on a project titled **Automated Car Parking System using ML**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.





www.compstechnlogies.com services@compstechnologies.com

This certificate was generated using CERTIEFY.COM



CERTIFICATE OF INTERNSHIP

This is to certify that Kondala Asrita whose USN is 1RR19CS066, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Varcons Technlogoies Pvt Ltd from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled .Stockport — Predictive Sentiment Analysis, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE



www.varconstech.com

contact@varconstech.com

18 M G Road, Ulsoor, Bangalore-560001

This certificate was generated using CERTIEFY.COM



Date:10 September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Kruthika S Murthy, bearing USN:1RR19CS067 a student of RajaRajeswari College of Engineering, CSE branch, affiliated with Visvesvaraya Technological University, has served the company from 9 August 2022 to 9 September 2022 as a "CMS Designer".

During the mentioned tenure, Ms. Kruthika S Murthy worked in various areas in the cloud focusing on deploying a learning platform.

We wish Kruthika S Murthy all the very best in her future endeavors.

Sincerely, Kelyrinaw . M

Director

No 488 1^{et} Cross Road, Kalyan Nagar HBR Layout, Bangalore 560 043 Email: info@techgeneris.com



TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Kumar C

has successfully completed 1 Month Internship in Data Science from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore House Price Analysis

INTERNSHIP ID : TLS22AUG0480

Supreeth Y S CEO Tequed Labs

CS transmit with Lambourser

RAJARAJESWARI COLLEGE OF ENGINEERING (Affiliated to Visvesvaraya Technological University, Belagavi) MYSORE ROAD, BENGALURU-560074 (An ISO9001:2008 Certified Institute)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Capgeminii

"TEMPLATE ON BLOOD DONOR MANAGEMENT"

Carriedout by

KUSH UPADHYAY (IRR19CS069)

The student of "RajaRajeswari College of Engineering" in partial fulfillment for the award of the degree of Bachelor Of Engineering in Computer Science & Engineering of report deposited in the departmental library. The Internship report has been approved as that all corrections/suggestions indicated for Internal Assessment have been incorporated in the itsatisfies the academic requirements in respect of Internship work prescribed for the Eighth theVisvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified

semester. and ...

Signature of guide

[Dr. Kirubha D] Associate Professor, RRCE, Bangalore Dept.of CSE.

20-2

ARK A

RRCE, Bangalore Dr.35Usha] Prof.&HOD. Dept.ofCSE,

Signature of HOD

Signature of Principal

[Dr.R.Balakrishna]

in the Fran

ei

Signature:

Samohalli Cross, Bengaluru-74

COLLEGE OF ENGINEERING

External Viva-Voce

RAJARAJESWARI **RRCE**, Bangadote Prof.&Principal



Capgemini Technology Services India Limited (Formerly known as IGATE Global Solutions Limited) No.158-162P & 165-170P, EPIP Phase II, Whitefield, Bengaluru – 560066, Karnataka India. T: +91-80-4104-0000 | F: +91-80-4125-9090 www.in.capgemini.com

Reference No #: 2467210808

February 03, 2023

Internship Letter

Mr.Kush Upadhyay Emp. Code - 46278725 Bangalore

Dear Kush Upadhyay,

This is to certify that Mr.Kush Upadhyay has successfully completed his internship with Capgemini from October 03, 2022 to December 26, 2022.

He interned under the guidance of Ms.Namrata Chadha.

We wish all the best for his future endeavors.

Yours truly,

For Capgemini Technology Services India Limited

Signature Not Verified Digitally signed by ARUNKUMAR GOPALAKRISHNAN Date: 2023.02.03 17:40:06 +05:30









RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Lakshmidevi NG

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Parkinson's disease detection

Supreeth Y S CEO Tequed Labs



Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that Ms. LAVANYA N MURTHY bearing USN No: 1RR19CS072 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd. Bangalore. The internship period was from 19th Aug 2022 to 19th Sept 2022 under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CAL UT2205U42016PTC084866 Scivery No. 285:154-173, Ind Plan, IndQuare Garrens Building, Galer Ring, Road Kash (7) -451.80002.00107, 341-431.91000.15074, several-statistic-frameworkstat.com inimia Districts



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Harshitha Jayasree R

has successfully completed 1 Month Internship in

Data Science

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Heart Attack Analysis and Prediction

Χ.

Supreeth Y S CEO Tequed Labs




TEQUED LABS

RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Shristi j

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore placement statistics data

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0484



23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that SHYAM SUNDAR G bearing USN: 1RR19CS145 has successfullyfinished his internship with Aideas Engineering Private Limited as a Software Trainee Intern from August-22 to September-22.

They have worked on the "Movie Recommendation Website" Project under the supervision and guidance of Mr. Murali V. During the internship, he has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as excellent to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

REAGALURU

For Aideas Engineering Pvt Ltd,

lura

Authorized Signatory

Office Address



23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SIDDESHA O B** bearing USN: **1RR19CS146** has successfully finished his internship with **Aideas Engineering Private Limited** as a **Software Trainee Intern** from **August-22** to **September-22**.

They have worked on the "**Personal Portfolio Website**" Project under the supervision and guidance of **Mr. Murali V.** During the internship, he has gained distinct insights in **HTML**, **CSS**, **Bootstrap** and developed considerable skills, including **Front End Web Development**.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as excellent to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

For Aideas Engineering Ltd.

Ulla (DelGalua

Authorized Signatory

Office Address



23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SIMPLE K S** bearing USN: **1RR19CS147** has successfully finished her internship with **Aideas Engineering Private Limited** as a **Software Trainee Intern** from **August-22** to **September-22**.

They have worked on the "Yoga Fitness Website" Project under the supervision and guidance of Mr. Murali V. During the internship, she has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

GALUR

For Aideas Engineering Pvt Ltd,

Authorized Signatory

Illa

Office Address

KRISH}

Danc - 30" Sept 3122

Sub: - Internship Completion Letter

This is to certify that MCSINDIR' SHREE V hearing USN No: IRR19CS148 is a student of Bachdor of Englishering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (IndicoPst. Ltd. Baugdore) The internship period was from 19th Aug 3022 to 19th Sept 2022 under the guidance of Ms Narma Shak. (Amore Administratori Krish Software Services Pit. Ltd.)

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her as securion without was very fruithil & we wish her all the best in her tuture endravors.

Thanking You.

For Krish Software Services (India) Private Limited



Shipi Jabia Manager-HR



Ref - TFT/INT/2022/00122

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms Sneha N V** student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS150 has successfully completed her Internship in Our Organization Tech Fortune Technologies from 25th August 2022 to 25th September 2022.

She was working on the "Web Development". The time she joined, She was very fast to pick up the technical details of the project. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 22ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com Lemail: info@tech-fortune.com



Company Identification Number : U72900KA2019PTC125249 \$\screwed{s} : +91-9900242961 # : www.aideas.in

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SOWMYA MN** bearing USN: **1RR19CS152** has successfully finished her internship with **Aideas Engineering Private Limited** as a **Software Trainee Intern** from **August-22** to **September-22**.

They have worked on the "**Covid Awareness Website**" Project under the supervision and guidance of **Mr. Murali V**. During the internship, she has gained distinct insights in **HTML**, **CSS**, **Bootstrap** and developed considerable skills, including **Front End Web Development**.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

HUALUR

For Aideas Engineering F vt Ltd,

Authorized Signatory

luia

Office Address



Date: 27-Sep-2022



TO WHOMSOVER IT MAY CONCERN

This is to certify that Ms. Srigowri N, student of Rajarajeswari College of Engineering bearing Reg No/ USN No: 1RR19CS154, has successfully completed the internship program in iNube Software Solutions Pvt Ltd., starting from 22-August-2022 to 22-September-2022 under the guidance of Mr. Ravichandran Mahalingam on Media Player Project and React and NodeJS Technology.

During the period of her internship program with us, she was found diligent, hardworking, and inquisitive.

We wish her success in her life and career.

For iNube Software Solutions Private Limited,



Human Resource

+91-80-46512500

#31, 2nd Floor, Kothanur main road J.P.Nagar 7th phase,Bangalore-560078 hn@inubesolutions.com

www.inubesolutions.com

8 Nube | Private and Confidential



23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SRIVALLI N** bearing USN: **1RR19CS155** has successfully finished her internship with **Aideas Engineering Private Limited** as a **Software Trainee Intern** from **August-22** to **September-22**.

They have worked on the "**Perosnal Blog Website**" Project under the supervision and guidance of **Mr. Murali V**. During the internship, she has gained distinct insights in **HTML**, **CSS**, **Bootstrap** and developed considerable skills, including **Front End Web Development**.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

GALUR

For Aideas Engineering Pvt Ltd,

Authorized Signatory

luia

Office Address



ENTHU TECHNOLOGY Solutions India Pvt Ltd



This is to certify that Mr/Ms Suhas Chandran R, Computer Science Engineering Department, of Rajarajeswari College of Engineering has Successfully Undergone 3 Weeks Internship Training on IoT during 12/09/2022 to 30/09/2022.

Certificate No.: EAS/CERT/ONSITE/IoT/22-23/192

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V. Parto

Esalu: Technology Solutions India Per List

Jof-4

Estilu Trelesology Solution India Per Lid



Ref - TF1/INT/2022/0063

19th September 2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms Sumaiya Nadeem** student of RRCE Bangalore has successfully completed her Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 19th September 2022.

She was working on the "Machine Learning with R". The time she joined, She was very fast to pick up the technical details of the project. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore



Date: Sept 23, 2022

Certificate of Internship

This is to certify that **Mr. Sumanth. S** (USN: 1RR19CS158) has completed his internship on Becoming Cloud Ready with AZURE at **RAPSOL TECHNOLOGIES PRIVATE LIMITED** from August 22, 2022 to September 23, 2022 under the guidance of **Mr. Naman Sinha** (Senior Software Engineer).

We have found him to be self-starter who is motivated, duty bound and Hard – working. He worked sincerely on his assignments and his performance was par Excellence.

We wish him best of luck for his future.

Thanks & Regards

Niranjan Balaji | Managing Director

Rapsol Technologies Private Limited

Mobile: +91 9738510751 | Landline: 080 40990889

E-mail: <u>niranjan@rapsoltechnologies.com</u> Web: <u>www.rapsoltechnologies.com</u>



Date:10 September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sumanth V, bearing USN:1RR19CS159 a student of RajaRajeswari College of Engineering, CSE branch, affiliated with Visvesvaraya Technological University, has served the company from 9 August 2022 to 9 September 2022 as a "CMS Designer".

During the mentioned tenure, Mr.Sumanth V worked in various areas in the cloud focusing on deploying a learning platform.

We wish Sumanth V all the very best in his future endeavors.

Sincerely,

Director

No 488 1st Cross Road, Kalyan Nagar HBR Layout, Bangalore 560 043 Email: Info@techgeneris.com



Ref - TFT/INT/2022/00124

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that **Mr Suryakanth Mastappa Naik** student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS160 has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 23rd September 2022.

He was working on the "Web Development". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 22ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com



INTERNSHIP COMPLETION CERTIFICATE

Date: 03/10/2022

To whom it may concern

Thaniya Technologies certifies that Ms Sushmitha M (1RR19CS161) student of RAJARAJESWARI COLLEGE OF ENGINEERING had undertaken and successfully completed the Internship on Java Full Stack Development from 22 August 2022 till 22 September 2022.

Ms Sushmitha M displayed professional traits during her internship period and managed to complete all assigned tasks as requested. She was hardworking, dedicated, and committed. It was a pleasure having her with us in this short period.

We wish her every success in life.



Sincerely,

SRINIVAS Project manager



Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India



+91 7019582399





THE SPARKS FOUNDATION

INSPIRE. INNOVATE, INTEGRATE

CERTIFICATE OF COMPLETION

This Certificate is presented to

Syed Mansaar

for an outstanding contribution during the session (Oct 2022 - Nov 2022) of Graduate Rotational Internship Program at The Sparks Foundation on 01-Nov-2022.



Certificate Number: P9T78ER8j4

Verification at: https://truecertificates.com/verification/

NAV DUBEN

MANAGING DIRECTOR



Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that **Mr. KARTHIK THYAGARAJ** bearing USN No: 1RR19CS163 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

He has successfully completed his internship project at Krish Software Services (India)Pvt. Ltd, Bangalore. The internship period was from **19th Aug 2022 to 19th Sept 2022** under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of his Internship Program with us, he was found to be hard working & sincere. His association with us was very fruitful & we wish him all the best in his future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CIN : U72200KA2015PTC084866

Survey No.293/154/172, 3rd Floor, Ind/Qube-Gamma Building, Duter Ring Road, Kadubeesanahalii, Marathalii, Bengeluru, Kamateke 550105 (T) : +91.80500.95557, (M): +91.91080.15874, www.knahofbvareservices.com







Ref - TFT/INT/2022/00106

19th September 2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms Vaidhehi A** student of RRCE Bangalore has successfully completed her Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 19th September 2022.

She was working on the "Machine Learning with R". The time she joined, She was very fast to pick up the technical details of the project. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies

Authorised Signatory



Mallikarjun V S CEO- Tech Fortune Place: Bangalore

ಎರೋಬ್ಬೇಸ್ ವಿಭಾಗ/एरोस्पेस प्रभाग AEROSPACE DIVISION ಹಿಂದೂಸ್ಥಾನ್ ವಿಮಾನ ಕಾರ್ಖಾಣಿ हिन्दुस्तान एरोनॉटिक्स लिमिटेड HINDUSTAN AERONAUTICS LIMITED



eots ಪಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೭೫೦೨, ಹೊಸ ತಿಪ್ಪಸಂದ್ರ ಅಂಟಿ, ಬೆಂಗಳೂರು - ೫೬೦ ೦೭೫, ಭಾರತ पोस्ट बैग सं. 7502, न्यू तिप्पसंदा पोस्ट, बॅगलूल-560 075, पारत Post Bag No. 7502, New Thippasandra Post, Bengaluru - 560 075, India

"हिंदी बढ़ेगी तभी, जब चाहेंगे सभी"

HAL/ASD/HR/Internship/344 /2022

12thOctober 2022

www.hal-india.com

CERTIFICATE

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This is to certify that Ms Varsha P bearing USN: 1RR19CS167, BE-CSE student of RajaRajeswari College of Engineering, Bangalore-74 has undergone "Internship" in Aerospace Division, Hindustan Aeronautics Limited, Bangalore Complex from 14th September 2022 to 12th October 2022.

The character and conduct of Ms Varsha P during the "Internship" was good. We wish her all success.

Senior Manager (HR)





Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that Ms. VARSHITHA H bearing USN No: 1RR19CS168 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd. Bangalore. The internship period was from 19th Aug 2022 to 19th Sept 2022 under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited

Thette Saloli

Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CIN U72200KA2015PTC084888 Survey No.293/154/172, 3rd Poor. IndCube-Gamma Building, Over Ring Road, Kadulaesanahall, Marathali, Bengalara, Kamataka 560103 (T): +61:80500.00367, (M): +61:91090.15874, www.krafaoffwammervices.com

ಎರೋಸ್ಟೇಸ್ ವಿಭಾಗ/एरोस्पेस प्रभाग AEROSPACE DIVISION ಹಿಂದೂಸ್ಟಾಸ್ ವಿಮಾನ ಕಾರ್ಮಾನೆ हिन्दुरतान एरोनॉटिक्स तिमिटेड HINDUSTAN AERONAUTICS LIMITED



eoti ਡੀਖ਼ੀ ਨੇ ਸੰਕੜ੍ਹੇ, 2303, ਛੋਕਸ ਭੋੜਾਂਸ਼ੁਰਦ, eoti, ਪੈਂਕਸ਼ਿਕਰੇ - 320 023, ਪ੍ਰਕਰੇ पोस्ट बैंग सं. 7502, न्यू तिप्पसंदा पोस्ट, बेंगलूर-560 075, भारत Post Bag No. 7502, New Thippasandra Post, Bengaluru - 560 075, India

"हिंदी बढ़ेगी तभी, जब चाहेंगे सभी"

HAL/ASD/HR/Internship/ 344 /2022

12thOctober 2022

CERTIFICATE

This is to certify that Ms Vasantha D V bearing USN: 1RR19C5169, BE-CSE student of RajaRajeswari College of Engineering, Bangalore-74 has undergone "Internship" in Aerospace Division, Hindustan Aeronautics Limited, Bangalore Complex from 14th September 2022 to 12th October 2022.

The character and conduct of Ms Vasantha D V during the "Internship" was good. We wish her all success.

www.hal-india.com

Senior Manager (HR)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು - ೫೬೦ ೦೦೧, ಭಾರತ पंजीकृत कार्यालय : 15/1, कव्यन रोड, बेंगलूरु – 560 001, भारत Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India CIN : L35301KA1963GO1001622



duration working on the "Al based Resume Parser" using NLP platform in Python during the month of September 2022

al P

Team Manager Sandeep S Biradar

Date: 29-09-2022 | www.vonrtech.com

CEO .





Rapsol Technologies Pvt. Ltd



Date: Sept 23, 2022

Certificate of Internship

This is to certify that **Mr. Vinay. N** (USN: 1RR19CS172) has completed his internship on Becoming Cloud Ready with AZURE at **RAPSOL TECHNOLOGIES PRIVATE LIMITED** from August 22, 2022 to September 23, 2022 under the guidance of **Mr. Naman Sinha** (Senior Software Engineer).

We have found him to be self-starter who is motivated, duty bound and Hard – working. He worked sincerely on his assignments and his performance was par Excellence.

We wish him best of luck for his future.

Thanks & Regards

Niranjan Balaji | Managing Director

Rapsol Technologies Private Limited

Mobile: +91 9738510751 | Landline: 080 40990889

E-mail: <u>niranjan@rapsoltechnologies.com</u> Web: <u>www.rapsoltechnologies.com</u>



TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vinushreee K

has successfully completed 1 Month Internship in Full Stack Web Development from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

College website portfolio

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0603

COMPANY CERTIFICATE



TEQUED LABS

#stortupingia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0044

Supreeth Y S CEO Tequed Labs



Ref - TFT/INT/2022/00124

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that Mr Vishwas K student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS175 has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 23rd September 2022.

He was working on the "Web Development". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES #18 22ND MAIN SUBANNA GARDEN, VLJAYANAGAR, BANGALORE - 560040 Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com



TEQUED LABS

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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Yalla Dheeraj Kumar

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Fake Currency Detection with Machine Learning

INTERNSHIP ID : TLS22AUG0639

Supreeth Y S CEO Tequed Labs







RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Chaitanya Mahaprabhu S M

has successfully completed 1 Month Internship in Internet of Things and Embedded Systems from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Proximity sensor boundary for surveillance and monitoring

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0346



Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that **Ms.CHAITHANYA M** bearing USN No: 1RR19CS026 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd, Bangalore. The internship period was from **19th Aug 2022 to 19th Sept 2022** under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited



Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CIN : U72200KA2015PTC064866

Survey No.253/154/172, 3rd Floor, IndQube-Gamma Building, Duter Ring Road, Kadubeesanahalii, Marathalii, Bengaluru, Kamataka 550105 (T): +91.80500.95567, (M): +91.91080.15874, www.knahoftwareservices.com

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Technicity Solutions, Vyopenager, Bengulary - 40. Mol. 10663476588, 0741150102 | www.technidle.n









RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Darshan V

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Brain tumor Detection

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0579

TechnoFly Solutions



Internship Certificate

	This is to certify that DEEKSHITHA . U.M							a student of RAJARAJESHWARI		
	(OLLEGE	٥F	ENGINEERING			has completed		01 months/weeks of Internship		
From	22/08/22	То	22/9/22	in	JULL	STACI-	WEB	D	EVELOPMENT	Domain.

We wish you all the best in your future endeavors.

Date : 22 9 22

For TechnoFly Solutions

Technofly Solutions, Vijayanagar, Bangalore - 40. Mob.: 9663476586, 9741150102 | www.technofly.in







RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Devaraja

has successfully completed I Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

MCQ test taking platform

INTERNSHIP ID : TLS22AUG0438

Supreeth Y S CEO Tequed Labs


TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Farheen Taj

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore placement statistics data

INTERNSHIP ID : TLS22AUG0939

Supreeth Y S CEO Tequed Labs







CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Gaddapara Kokila

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Uber pickup dataset

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0940

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TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ganavi C V

has successfully completed 1 Month Internship in Cyber Security and Ethical Hacking from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Image steganography

7 Supreeth Y S CEO Tequed Labs



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

GANESH K C

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

The Boston housing database

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0578

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CERTIFICATE OF INTERNSHIP

This is to certify that Gaurav Kumar Bhatt whose USN is 1RR19CS037, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Varcons Technologoies Pvt Ltd from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Stockport | Predictive Sentiment Analysis, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE





This certificate was generated using CERTIEFY.COM







CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Geethashree R

has successfully completed 1 Month Internship in Cyber Security and Ethical Hacking from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Image Steganography

Supreeth Y S CEO Tequed Labs



Collasalhub IT Services Tower A. 4. AMR Tech Park, Internal

Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068 Website - collasalhub.com

Mohammad Saqib Shah Machine Learning - Intern 30th Sept 2022

To Whom It May Concern

This is to certify that Mr. Mohammad Saqib Shah has been interning full-time with Collasalhub IT Services from August 29rd, 2022 to September 30th, 2022 as a Machine Learning - Intern.

During this tenure, we have found him to be a self-starter, professional, knowledgeable and result oriented with theoretical and practical understanding of work requirements. He works sincerely on his assignments and his performance is good. Overall **Mr. Mohammad Saqib Shah** performed his duties and responsibilities quite impressively. On the behalf of the company, I take this opportunity to wish him all the very best for his future career endeavors.

Adnaan Shariff

Adnaan Shariff, Managing Partner/ CMO Collasalhub IT Services Website - collasalhub com

Collasalhub IT Services, CIN: U7599P482C365562







CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Mareddy Christofar

has successfully completed 1 Month Internship in

Data Science

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore house price analysis

Supreeth Y S CEO Tequed Labs

TechnoFly Solutions

Internship Certificate

RAJARAJES WARE COLLEGE OF ENGINEERING has completed 1 From 01 09 2032 This is to certify that MASOOD MANZOOR ANMED To 30/09/2022 in MACHINE LEARNING USING PYTHON a student of months/weeks of Internship Domain.

We wish you all the an information on the endeavoir

For TechnoFly Solutions



Technolty Bolutions, Vijayanagar, Bangolore - 40 Moh.: 9663476586, 9741150102 | www.technolty.th

2022.10.27 15:27

Techno fly



CERTIFICATE OF INTERNSHIP

This is to certify that Md Saif whose USN is 1RR19CS080, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Varcons Technlogoies Pvt Ltd from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Stockport | Predictive Sentiment Analysis using twitter sentiment, As part of project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE



www.varconstech.com contact@varconstech.com

This certificate was generated using CERTIEFY.COM





CERTIFICATE OF COMPLETION

This certifies that

MOHAMMED ZUBAIR

has completed the Internship Program on

Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs and has worked on a Project Titled

PARKINSON'S DATASET

USN: 1RR19CS087 INSTITUTION: RAJARAJESHWARI COLLEGE OF ENGINEERING

Supreeth Y S,CEO

Adityo. S. K

Aditya S K,CTO

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COMPANY CERTIFICATE







Certificate of Completion

awarded to

Mohan N

for successfully completing eight weeks internship under IBM Skitistiulid Program from 19/9(2022 to 7/11/2022.

The program was conducted in collaboration with AS India Council for Technical Education and Educer Foundation

Table - AT & R. tab - Contract of the second contraction of the second second

Regula Singh Executive Director-Educet Foundation

Thirukumaran Nagarajan VP HR- India and South Asia IBM









CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nagaprasad K R

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Predict the next word

Supreeth Y S CEO Tequed Labs



CERTIFICATE OF INTERNSHIP

This is to certify that Nagashree S whose USN is 1RR19CS093, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 25th August, 2022 to 29th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Virtual Assistance for Visually Impaired, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model. Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE



www.compstechnlogies.com services@compstechnologies.com

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CERTIFICATE



CERTIFICATE OF INTERNSHIP

This is to certify that Nandish K whose USN is 1RR19CS094, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled **Chatbot** for Healthcare System. As part of the project. They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, FLICE HERE



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CERTIFICATE



CERTIFICATE OF INTERNSHIP

This is to certify that Nayana B C whose USN is 1RR19CS095, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 25th August, 2022 to 29th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Virtual Assistance for Visually Impaired. As part of the project. They designed the Machine Learning Model. Demonstrated and tested the working of the Model. Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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TechnoFly Solutions

Internship Certificate

RAJARAJES WARE COLLEGE OF ENGINEERING has completed 1 From 01 09 2032 This is to certify that MASOOD MANZOOR ANMED To 30/09/2022 in MACHINE LEARNING USING PYTHON a student of months/weeks of Internship Domain.

We wish you all the an information on the endeavoir

For TechnoFly Solutions



Technolty Bolutions, Vijayanagar, Bangolore - 40 Moh.: 9663476586, 9741150102 | www.technolty.th

2022.10.27 15:27

Techno fly



CERTIFICATE OF COMPLETION

This certifies that

MOHAMMED ZUBAIR

has completed the Internship Program on

Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs and has worked on a Project Titled

PARKINSON'S DATASET

USN: 1RR19CS087 INSTITUTION: RAJARAJESHWARI COLLEGE OF ENGINEERING

Supreeth Y S,CEO

Adityo. S. K

Aditya S K,CTO

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COMPANY CERTIFICATE







Certificate of Completion

awarded to

Mohan N

for successfully completing eight weeks internship under IBM Skitistiulid Program from 19/9(2022 to 7/11/2022.

The program was conducted in collaboration with AS India Council for Technical Education and Educer Foundation

Table - AT & R. tab - Contract of the second contraction of the second second

Regula Singh Executive Director-Educet Foundation

Thirukumaran Nagarajan VP HR- India and South Asia IBM









CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Nagaprasad K R

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Predict the next word

Supreeth Y S CEO Tequed Labs



CERTIFICATE OF INTERNSHIP

This is to certify that Nagashree S whose USN is 1RR19CS093, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 25th August, 2022 to 29th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Virtual Assistance for Visually Impaired, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model. Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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CERTIFICATE



CERTIFICATE OF INTERNSHIP

This is to certify that Nandish K whose USN is 1RR19CS094, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled **Chatbot** for Healthcare System. As part of the project. They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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CERTIFICATE



CERTIFICATE OF INTERNSHIP

This is to certify that Nayana B C whose USN is 1RR19CS095, has completed their Machine Learning With Python(Research Based) Internship organised and handled by Compsoft Technologies from 25th August, 2022 to 29th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Virtual Assistance for Visually Impaired. As part of the project. They designed the Machine Learning Model. Demonstrated and tested the working of the Model. Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

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TEQUED LABS RESEARCH AND INNOVATION HUB

RECOGNIZED BY

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Niranjan R

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

IPL Batting Analysis

INTERNSHIP ID : TLS22AUG0921

Supreeth Y S CEO Tequed Labs

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CERTIFICATE OF INTERNSHIP

This is to certify that Pruthviraj BV whose USN is 1RR19CS109, has com-pleted their Machine Learning With Python(Research Based) Internship

organised and handled by Compsoft Technologies from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Chatbot for Healthcare System. As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.



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TEQUED LABS

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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

pushpak v reddy

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

ipl batting analysis

INTERNSHIP ID : TLS22AUG0645

Supreeth Y S CEO Tequed Labs



CERTIFICATE OF INTERNSHIP

This is to certify that Pruthviraj BV whose USN is 1RR19CS109, has com-pleted their Machine Learning With Python(Research Based) Internship

organised and handled by Compsoft Technologies from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Chatbot for Healthcare System. As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.



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TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Raghavendra Hk

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

ipl batting analysis

INTERNSHIP ID : TLS22AUG0647

Supreeth Y S CEO Tequed Labs







CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Rakshith kumar D

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bike data

Supreeth Y S CEO Tequed Labs







CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Rohan R

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

Supreeth Y S CEO Tequed Labs



TEQUED LABS

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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Rohith S

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0045

Supreeth Y S CEO Tequed Labs


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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Sagar D

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Parkinson's Dataset

INTERNSHIP ID : TLS22AUG0922

COMPANY CERTIFICATE



TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CENTIFY THAT

Sagar R

has successfully completed I Marith Internship in Artificial Intelligence and Machine Learning from hit September 2022 to 30th September 2022 at Tequed Lobs, Nongalone and has worked on a project titled

Indian used bikes data

antortopingla

INTERNEHIP ID : TLS22AUG0044



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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Santhosh R

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bike data

INTERNSHIP ID : TLS22AUG0648



RECOGNIZED BY

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Santosh K

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0640



Ref - TFT/INT/2022/0064

25th September 2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms Shafiya Ashuma A** student of RRCE Bangalore has successfully completed her Internship in Our Organization Tech Fortune Technologies from 25th August 2022 to 25th September 2022.

She was working on the "Machine Learning with R". The time she joined, She was very fast to pick up the technical details of the project. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 22ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com

Certificate of Appreciation

THIS CERTIFICATE RECOGNIZES THE CONTRIBUTION OF

Shankarling Kalashetty

FOR EFFORTLESS CONTRIBUTION TOWRADS THE COMPANY'S GOALS AS WEB DEVELOPER INTERN FROM SEPTEMBER 2022 TO JANUARY 2023.



ZEB EVANS

CEO, CLICKUP, SAN DIEGO, USA

RICHA VAID

SOCIAL GORWTH MANAGER, CLICKUP, SAN DIEGO, USA

Certificate of Appreciation

THIS CERTIFICATE RECOGNIZES THE CONTRIBUTION OF

Shankarling Kalashetty

FOR EFFORTLESS CONTRIBUTION TOWRADS THE COMPANY'S GOALS AS WEB DEVELOPER INTERN FROM SEPTEMBER 2022 TO JANUARY 2023.



ZEB EVANS

CEO, CLICKUP, SAN DIEGO, USA

RICHA VAID

SOCIAL GORWTH MANAGER, CLICKUP, SAN DIEGO, USA



RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Shashwath S Kharvi

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Predict the next word

INTERNSHIP ID : TLS22AUG0642



Enrhu Technology Solutions India Pvt Ltd



Quality Leads

Successfully Undergone 3 Weeks Internship Training This is to certify that Mr/Ms Suhas Chandran.R, of Rajarajeswari College of Engineering has Computer Science Engineering Department, on IoT during 12/09/2022 to 30/09/2022.

Certificate No.: EAS/CERT/ONSITE/IoT/22-23/192

U. Verton

Evalue Technology Solutions India Pat Ltd

4th Dinctor

Enthu Technology Solutions

India Par Lid



CERTIFICATE OF INTERNSHIP

This is to certify that Shibin C Reji whose USN is 1RR19CS137, has completed their Full Stack Web Development Internship organised and handled by Varcons Technlogoies Pvt Ltd from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled **Template for Online Strength training Center**. This project was aimed at creating fully-fledged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE



www.varconstech.com contact@varconstech.com

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INTERNSHIP COMPLETION CERTIFICATE

Date: 03/10/2022

To whom it may concern

Thaniya Technologies certifies that Ms Shireesha Y A (1RR19CS138) student of RAJARAJESWARI COLLEGE OF ENGINEERING had undertaken and successfully completed the Internship on Java Full Stack Development from 22 August 2022 till 22 September 2022.

Ms Shireesha Y A displayed professional traits during her internship period and managed to complete all assigned tasks as requested. She was hardworking, dedicated, and committed. It was a pleasure having her with us in this short period.

We wish her every success in life.



Sincerely,

SRINIVAS Project manager



Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India









INTERNSHIP COMPLETION CERTIFICATE

Date: 03/10/2022

To whom it may concern

Thaniya Technologies certifies that Ms Shireesha Y A (1RR19CS138) student of RAJARAJESWARI COLLEGE OF ENGINEERING had undertaken and successfully completed the Internship on Java Full Stack Development from 22 August 2022 till 22 September 2022.

Ms Shireesha Y A displayed professional traits during her internship period and managed to complete all assigned tasks as requested. She was hardworking, dedicated, and committed. It was a pleasure having her with us in this short period.

We wish her every success in life.



Sincerely,

SRINIVAS Project manager



Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India







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	Internship Ce	rtificate	~
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		them.	and a let





RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Farheen Taj

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore placement statistics data

INTERNSHIP ID : TLS22AUG0939



RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ganavi C V

has successfully completed 1 Month Internship in Cyber Security and Ethical Hacking from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Image steganography

7 Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0597



Collasalhub IT Services Tower A. 4. AMR Tech Park, Internal

Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068 Website - collasalhub.com

Mohammad Saqib Shah Machine Learning - Intern 30th Sept 2022

To Whom It May Concern

This is to certify that Mr. Mohammad Saqib Shah has been interning full-time with Collasalhub IT Services from August 29rd, 2022 to September 30th, 2022 as a Machine Learning - Intern.

During this tenure, we have found him to be a self-starter, professional, knowledgeable and result oriented with theoretical and practical understanding of work requirements. He works sincerely on his assignments and his performance is good. Overall **Mr. Mohammad Saqib Shah** performed his duties and responsibilities quite impressively. On the behalf of the company, I take this opportunity to wish him all the very best for his future career endeavors.

Adnaan Shariff

Adnaan Shariff, Managing Partner/ CMO Collasalhub IT Services Website - collasalhub com

Collasalhub IT Services, CIN: U7599P482C365562



Company Identification Number : U72900KA2019PTC125249

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that HEMAVATHI R bearing USN: 1RR19CS048 has successfully finished her internship with Aideas Engineering Private Limited as a Software Trainee Intern from August-22 to September-22.

They have worked on the "Healthcare Website" Project under the supervision and guidance of Mr. Murali V. During the internship, she has gained distinct insights in HTML, CSS, Bootstrap and developed considerable skills, including Front End Web Development.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent to the best of my knowledge.

Wishing her the best of luck in her future endeavors.

For Aideas Engineering Put Ltd,

unal 2 (manun

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD. No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079



Company Identification Number : U72900KA2019PTC125249

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SIDDESHA O B** bearing USN: **1RR19CS146** has successfully finished his internship with **Aideas Engineering Private Limited** as a **Software Trainee Intern** from **August-22** to **September-22**.

They have worked on the "**Personal Portfolio Website**" Project under the supervision and guidance of **Mr. Murali V.** During the internship, he has gained distinct insights in **HTML**, **CSS**, **Bootstrap** and developed considerable skills, including **Front End Web Development**.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as excellent to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

For Aideas Engineering Ltd.

Ulla (DelGalur

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD. No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079





RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Raghavendra Hk

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

ipl batting analysis

INTERNSHIP ID : TLS22AUG0647





Ref - TF1/INT/2022/0063

19th September 2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms Sumaiya Nadeem** student of RRCE Bangalore has successfully completed her Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 19th September 2022.

She was working on the "Machine Learning with R". The time she joined, She was very fast to pick up the technical details of the project. She is really hardworking and capable.

We wish her all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore



Ref - TFT/INT/2022/00124

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that **Mr Suryakanth Mastappa Naik** student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS160 has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 23rd September 2022.

He was working on the "Web Development". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

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Bosch Automotive Electronics India Pvt. Ltd. Building 703, Naganathapura P.B. No. 10029 Electronics City Post Office Bangalore - 560 100 India

PAN No. AADCB4330L CIN No. U29221KA2008PTC045987

09.11.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Keerthana H S of Rajarajeshwari college of engineering, Bangalore, has completed internship in our company from 01.09.2022 to 31.10.2022.

During the above period, the candidate has gained knowledge on the following:

- Overview of automotive electronic manufacturing & I4.0
- Knowledge Management System & Andon System Testing
- Outsystems Research and application.

Her interaction with the colleagues, grasping ability, conduct, attendance and overall performance were satisfactory.

We wish Ms. Keerthana H S success in future Endeavors.

For Bosch Automotive Electronics India Private Limited.

Chandeskala

(Chandrakala Basavaraju) Deputy Manager-Human Resources



Registered Office: Building 703, Naganathapura, P.B. No. 10029, Electronica City Post Office, Bangalore 560 100, India



RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ganavi C V

has successfully completed 1 Month Internship in Cyber Security and Ethical Hacking from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Image steganography

7 Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0597



RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Yalla Dheeraj Kumar

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Fake Currency Detection with Machine Learning

INTERNSHIP ID : TLS22AUG0639



RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Yalla Dheeraj Kumar

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Fake Currency Detection with Machine Learning

INTERNSHIP ID : TLS22AUG0639



Ref - TFT/INT/2022/00124

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that Mr Vishwas K student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS175 has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 23rd September 2022.

He was working on the "Web Development". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

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COMPANY CERTIFICATE



TEQUED LABS

#stortupingia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0044

COMPANY CERTIFICATE



TEQUED LABS

#stortupingia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0044



Date: - 30th Sept 2022

Sub: - Internship Completion Letter

This is to certify that Ms. VARSHITHA H bearing USN No: 1RR19CS168 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (India)Pvt. Ltd. Bangalore. The internship period was from 19th Aug 2022 to 19th Sept 2022 under the guidance of Ms.Nazma Shaik (Azure Administrator) Krish Software Services Pvt. Ltd

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her association with us was very fruitful & we wish her all the best in her future endeavors.

Thanking You,

For Krish Software Services (India) Private Limited

Thetter Saloli

Shilpi Jalota Manager-HR

Krish Software Services (India) Pvt Ltd

CIN U72200KA2015PTC084888 Survey No.293/154/172, 3rd Poor. IndCube-Gamma Building, Over Ring Road, Kadulaesanahall, Marathali, Bengalara, Kamataka 560103 (T): +61:80500.00367, (M): +61:91090.15874, www.krafaoffwammerviow.com

COMPANY CERTIFICATE



TEQUED LABS

#stortupingia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

has successfully completed I Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Indian used bikes data

INTERNSHIP ID : TLS22AUG0044







Ref - TFT/INT/2022/00124

26th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that **Mr Suryakanth Mastappa Naik** student of Rajarajeswari College of Engineering Bangalore having USN – 1RR19CS160 has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 23rd September 2022.

He was working on the "Web Development". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 22ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph: +91 9591 68 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com



Date:10 September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sumanth V, bearing USN:1RR19CS159 a student of RajaRajeswari College of Engineering, CSE branch, affiliated with Visvesvaraya Technological University, has served the company from 9 August 2022 to 9 September 2022 as a "CMS Designer".

During the mentioned tenure, Mr.Sumanth V worked in various areas in the cloud focusing on deploying a learning platform.

We wish Sumanth V all the very best in his future endeavors.

Sincerely,

Director

No 488 1st Cross Road, Kalyan Nagar HBR Layout, Bangalore 560 043 Email: Info@techgeneris.com

KRISH}

Danc - 30" Sept 3122

Sub: - Internship Completion Letter

This is to certify that MCSINDIR' SHREE V hearing USN No: IRR19CS148 is a student of Bachdor of Englishering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

She has successfully completed her internship project at Krish Software Services (IndicoPst. Ltd. Baugdore) The internship period was from 19th Aug 3022 to 19th Sept 2022 under the guidance of Ms Narma Shak. (Amore Administratori Krish Software Services Pit. Ltd.)

During the tenure of her Internship Program with us, she was found to be hard working & sincere. Her as securion without was very fruithil & we wish her all the best in her tuture endravors.

Thanking You.

For Krish Software Services (India) Private Limited



Shipi Jabia Manager-HR




Collasalhub IT Services Tower A. 4. AMR Tech Park, Internal

Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068 Website - collasalhub.com

Mohammad Saqib Shah Machine Learning - Intern 30th Sept 2022

To Whom It May Concern

This is to certify that Mr. Mohammad Saqib Shah has been interning full-time with Collasalhub IT Services from August 29rd, 2022 to September 30th, 2022 as a Machine Learning - Intern.

During this tenure, we have found him to be a self-starter, professional, knowledgeable and result oriented with theoretical and practical understanding of work requirements. He works sincerely on his assignments and his performance is good. Overall **Mr. Mohammad Saqib Shah** performed his duties and responsibilities quite impressively. On the behalf of the company, I take this opportunity to wish him all the very best for his future career endeavors.

Adnaan Shariff

Adnaan Shariff, Managing Partner/ CMO Collasalhub IT Services Website - collasalhub com

Collasalhub IT Services, CIN: U7599P482C365562



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Pooja s

has successfully completed I Month Internship in

Full stack web development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Ready to Travel

Supreeth Y S CEO Tequed Labs

INTERNSHIP ID : TLS22AUG0948



TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Raghavendra Hk

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

ipl batting analysis

INTERNSHIP ID : TLS22AUG0647

Supreeth Y S CEO Tequed Labs



Enrhu Technology Solutions India Pvt Ltd



Quality Leads

Successfully Undergone 3 Weeks Internship Training This is to certify that Mr/Ms Suhas Chandran.R, of Rajarajeswari College of Engineering has Computer Science Engineering Department, on IoT during 12/09/2022 to 30/09/2022.

Certificate No.: EAS/CERT/ONSITE/IoT/22-23/192

U. Verton

Evalue Technology Solutions India Pyr Ltd

4th Dinctor

Enthu Technology Solutions

India Par Lid



TEQUED LABS

RECOGNIZED BY #startupindia

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Sagar D

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Parkinson's Dataset

INTERNSHIP ID : TLS22AUG0922

Supreeth Y S CEO Tequed Labs





TEQUED LABS



RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Farheen Taj

has successfully completed 1 Month Internship in Artificial Intelligence and Machine Learning from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore and has worked on a project titled

Bangalore placement statistics data

INTERNSHIP ID : TLS22AUG0939

Supreeth Y S CEO Tequed Labs





Take It Smart (OFC) PW LED

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout, Vljayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647 www.takeitsmart.in

> TAKE IT SMART Reg No. : 149092

ISO 9001 :2015

Internship Certificate

This Certifies that

RITESH L

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed Internship in Machine Learning Using Python

21st August 2022 to 17th September 2022

we found him/her sincere, Hardworking. Dedicated and Result oriented. She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future

Mallikarjun Kumbar Director

MENE #startupindia

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*11742 calls mb. signature of Authority Konstein Jahr - på Die 2012 Property 1 CAREAL O *14 BL DE 1 Raghavendra Complex, 10th Main Road, 4th Block, Jayanagar, Bengaluru - 560041, India (www.tucheology.y.u Embedded system under the quidance of TECHNOLOGICS GLOBAL PVT. LTD. Combinated horizon 21 08-2022 no 21-09-2022 Internship Certificate Rajarajeshwari college of engineering This confidence is promitly presented to 1000 PS TECHNOLOGICS G . Sunjuna . V 5 PAND. ESS Private La Southes . for successful completion of Statewookip in Honeywell TRIDIUM Skillindia A HELL IP500 9 for the student of SRAINBOX Ð

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14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout, VIJayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647 www.takeitsmart.in

TAKE IT SMART

Reg No. : 149094

ISO 9001 :2015

Internship Certificate

This Certifies that

TEJAS N

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed internation in Embedded System and IoT

Trom 21st August 2022 to 17th September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

a startupindia

10

Take It Smart (OFC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout, Vljayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647 www.takeitsmart.in

> TAKE IT SMART Reg No. : 149091

ISO 9001 :2015

Internship Certificate

This Certifies that

ULLAS A

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed Internship in Machine Learning Using Python

From 21st August 2022 to 17th September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

MENE «startupindia





Ref No: KTPT/INT/2022/0518

Date: 30-Sep-2022

To Whomsoever It May Concern

CERTIFICATE

This is to certify that Mr/Ms. AJANTHA K from RAJARAJESHWARI COLLEGE OF ENGINEERING bearing USN-IRR19EC001 has successfully completed internship programme at Karunadu Technologies Private Limited from 21-Aug-2022 to 21-Sep-2022 and found the candidate's performance is good.

During his/her Internship, he/she was exposed to the various activities in field of Embedded System. During the course he/she was trained and he/she carried out a project on Alcohol And Accident Detection.

During the period of his/her Internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us was very fruitful and we wish him/her all the best for his/her future.

HARISH N

GUIDE Karunadu Technologies Pvt.Ltd.

MAHESH DEGINAL

Managing Director Karunadu Technologies Pvt.Ltd.

Registered Office:

No. 59, 2nd Main, 1st Cross, Near Singapura Village Bus Stop, Vidyaranyapura, Bengaluru - 560064 . CIN: U74999KA2018PTC114911, Mob: + 91 9964823646 /+ 91 9902913646 E-moil: karunedutechnologies@gmail.com . support@karunadutechnologies.com, Website: www.karunadutechnologies.com Tocar Light y dias and y encine division distance concert/lagy allebus/knowner towers locationger advecting diastar हिन्दुस्तान एरोनॉटिक्स लिमिटेड Innoustan Aeronautics Limited



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E/HR/Internship/2022

CERTIFICATE

This is to certify that Mr. Ajay A M, BE (Electronics and Communication Engineering) Student of Rajarajeswari College of Engineering, Bangalore has successfully completed his Internship in Electrical & Electronics Maintenance, Engine Division, Hindustan Aeronautics Limited (Bangalore Complex), Bengaluru - 560 093, during the period from 06-09-2022 to 21-09-2022 on No-Pay No-Fee Basis. (This Certificate is issued for academic purpose only)

(SUJATA BELGAMKAR) CHIEF MANAGER-HR



रोजनव्यक्तव स्टोन्च - क्यांग, स्टूल वह, वेकायजन-अध्ययका, जनव पंजीकृत कार्यालय : 1571, वन्द्रम वंह, बेनजुर - 560.001, पारंग Registered Office : 1571, Cubbon Road, Rengaluru - 560.001, India 4 के कल7 सी आई एम7 CIN: L35301KA19636Cib001622



Certificate of Completion

AJAY KUMAR.K

A Student of KAJARAJESHWARI COLLEGE OF ENWNEERING

Bearing USN No: 1.KR19EC003 has successfully completed internship on Domain To 17/09/2022 Embedded Systems \$ 10T From 24 08/2022

We found him/her sincere, hardworking, dedicated and result oriented We wish all the best for his/her future Endeavour.



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हिन्द्स्तान एसंग्वीटेक्स लिपिटेड HINDUSTAN AERONAUTICS LIMITED



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www.hal-india.co.in

E/HR/Internship/2022

CERTIFICATE

This is to certify that Mr. Akanksh Shetty, BE (Electronics and Communication Engineering) Student of Rajarajeswari College of Engineering, Bangalore has successfully completed his Internship in Electrical & Electronics Maintenance, Engine Division, Hindustan Aeronautics Limited (Bangalore Complex), Bengaluru - 560 093, during the period from 06-09-2022 to 21-09-2022 on No-Pay No-Fee Basis. (This Certificate is issued for academic purpose only)

(SUJATA BELGAMKAR) CHIEF MANAGER-HR

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นี้สะออรมมร स्प्रेस्ट : 1570, स्पूल वर्षु, वंगस्प्रवः-38,0000, क्राव्स पंजीकृत कार्यालय : 1571, सम्प्रन वेह, बॅगलूरू - 560,001, मारत Registered Office : 1571, Cubbon Road, Bengalum - 560,001, Indua 1, क कर्ल7 सी आई एन / CIN: L35301KA1963GO(001622



Ref No: KTPT/INT/2022/0519

Date: 30-Sep-2022

To Whomsoever It May Concern

CERTIFICATE

This is to certify that Mr/Ms. AKSHATHA B from RAJA RAJESHWARI COLLEGE OF ENGINEERING bearing USN-1RR19EC005 has successfully completed internship programme at Karunadu Technologies Private Limited from 21-Aug-2022 to 21-Sep-2022 and found the candidate's performance is good.

During his/her Internship, he/she was exposed to the various activities in field of Embedded System. During the course he/she was trained and he/she carried out a project on Implementation of Automated Security System using PIR and Ultrasonic Sensor.

During the period of his/her Internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us was very fruitful and we wish him/her all the best for his/her future.

HARISHN

GUIDE Karunadu Technologies Pvt.Ltd.

SHIDEGINAL MAH

Managing Director Karunadu Technologies Pvt.Ltd.

Reportered Office

No. 59, 2nd Marx, 1st Cross, Near Singapura Village Bos Stop, Vietyaranyapura, Bengaluro - 568064 . City, U24999KA201xPTU114511, Mark, +01.9964823646 (+91.9902913646 E-moil: karonadutechnologies, Comsupport: City Research Companyable Com, Website, www.karonadutechnologies.com



APSIS SOLUTIONS

HLAUHAHU

This is to certify that

Imaresh & Darawad

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

A Awasthi

APSIS SOLUTIONS VP-Technical

Shailendra Shukla

APSIS SOLUTIONS

General Manager

AUTHORISED MICROCHIP TRAINING PARTNER





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KARUNADI. TECHNOLOGIES PRIVATE LIMITED

#17. A.T.K. Complex, 2 id & 4th Floor. Acharya College Main Road, Beside Karar Vysya Bank, Gutteba: iveshwara Nagar, Chikkabanavara, Bengaluru - 560090

Ref No: KTPT/INT/2022/0524

Date: 30-Sep-2022

To Whomsoever It May Concern

CERTIFICATE

This is to certify that Mr/Ms. APS/ NA A NADAF from RAJRAJESHWARI COLLEGE OF ENGINEERING bearing USN- RR19EC007 has successfully completed internship programme at Karunadu Technolog es Private Limited from 21-Aug-2022 to 21-Sep-2022 and found the candidate's performant : is good.

During his/her Internship, he she was exposed to the various activities in field of Embedded System. During the course be/she was trained and he/she carried out a project on Iot Office Automation.

During the period of his/her internship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us vas very fruitful and we wish him/her all the best for his/her future.

GUIDE Karunadu Technologies Pvt.Ltc.

MAHESH DEGR

Managing Director Karunadu Technologies Pyt.Ltd.

Registand Office

No. 59, 2nd Main, 1st Cross, Near Sing: pura Village Bus Stop, Vidyaranyapura, Bengaloru - 560064 . CIN: U74999KA2018PTC114911, Mobil +91 9964 123646 / +91 9902913646 E-mail: karunadutechnologies@gmail.com support@karunadutechnologies :nm, Website: www.karunadutechnologies.com

RECOGNIZED BY			abs, Bangalore	Server and	Supreeth Y S CEO Tequed Labs
TEQUED LABS RESEARCH AND INNOVATION HUB	TIFICATE OF INTERNS	Basavaraju M (1RR19EC008)	has successfully completed 1 Month Internship in Full Stack Web Development nber 2022 to 30th September 2022 at Tequed L and has worked on a project titled	MCQ test taking platform	INTERNSHIP ID : TLS22AUG0562
Tequed Labs			from 1st Septer		



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Bangalore Metro Rail Corporation Ltd. (A Jaint Venture of Deventment of Kanataka & Government of Indial Regit Office - B.M.T.C. Computer. 2nd Floort K.H. Road, Strandbinager. Bangalore - 560 027. (NDIA

No: BMRCL/CE (PM)/Internship/Certificate/2022-23

19th October 2022

TO WHOM-SO-EVER IT MAY CONCERN

1011

This is to certify that Ms. CHAITHRA A (IRRIPEC009) student studying in B.E, 4th Year, (Electronics and Communication Engineering) of RajaRajeswari College of Engineering, Bangalore has completed her Internship Training Programme in Bangalore Metro Rail Corporation Ltd., (BMRCL) from 22.08.2022 to 21.09.2022 under the guidance of Mr. Hemanth Kumar K.M, Executive Engineer (Telecom-1), BMRCL.

We wish her successful career and bright future ahead.

19/7/2022

(M. Srinivas) Chief Engineer (PM)



APSIS SOLUTIONS

ICATE FAHU

This is to certify that

Chandan.

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

N Awasthi

APSIS SOLUTIONS VP-Technical

y

MICROCHIP TRAINING PARTNER

AUTHORISED



Shailendra Shukla General Manager APSIS SOLUTIONS



3

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Chandana & R

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



APSIS SOLUTIONS Shailendra Shukla General Manager

MICROCHIP AUTHORISED TRAINING PARTNER



Raghavendra Complex, 10th Main Road, 4th Block, layanagar, Bengaluru - 560041, Indua I www.technologicn.in





Certificate of Completion

D. VAMSI KRISHNA

Bearing USN No: 1RR 19EC 013 has successfully completed internship on Domain To 17 09 2022 A student of Kajarajeshwari College of Engineering Embedded Systems & 10T. From 24 08 2022

We found him/her sincere, hardworking, dedicated and result oriented. We wish all the best for his/her future Endeavour.





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No A/HR/509/317/2022

September 15, 2022

CERTIFICATE

This is to certify that Ms. Dimple Y. USN 1RR19EC015 a bonaifide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 24.08.2022 to 15.09.2022

2. We wish her All the Best. Good Luck and Succees in his future endeavors

Ms. Dimple Y.

BE(Electronics & Communication).

Rajarajeswari College of Engineering

Bangalore.

ದೋರದಾಯತ ಕಚೇರಿ : ೧೫೫,೧, ಕಲ್ಲನ್ ಡಕ್ರಿ ಬೆಂಗಳೂರು-SHLOODO, ಭಾರತ पंजीवृत्त सार्यालय : 1571, तथ्यन शेड्, वैग्रसूरु - 560.001, भारत Registered Office : 1571, Cubbon Road, Bengalum - 560.001, India ೩ ದ ಎನ್?) सी आई एन / CIN:L35301KA1963GO1001622 ರು/ई/E :hr_ac@hal-india.co.in

Scanned with CamScanner

(Kanika Narain)

and the second s

Senior Manager (HR)

MENTRY STATE



Ref No: KTPT/INT/2022/0522

Date: 30-Sep-2022

To Whomsoever It May Concern

CERTIFICATE

This is to certify that Mr/Ms. DIVY & RAGHURAM PRABHU from RAJARAJESWARI COLLEGE OF ENGINEERING be ring USN-1RR19EC016 has successfully completed internship programme at Karunadu Technologies Private Limited from 21-Aug-2022 to 21-Sep-2022 and found the candidate & performance is good.

During his/her Internship, he she was exposed to the various activities in field of Embedded System. During the course he/she was trained and he/she carried out a project on Coal Mine Safety Monitoring And Jerting System.

During the period of his/her internship training with us he/she was found ponctual, hurdworking and inquisitive.

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His/her association with us cas very fruitful and we wish him/her all the best for his/her future.

GUIDE Karunadu Technologies Pvt.Lt.

MAHESH DEGINAL

Managing Director Karunada Technologies Pvt Ltd.

Reputator Ottag

No. 59. 2nd Main. 1st Cross. Near Sing. pura Village Bex Stop. Vidyaranyapura. Bengaluru - 560064. CHI. UT4996KA2018PTC116011. Min. + 91.966-823646. + 91.9902913645. Limit. karunadutechnologies.com support@karunadutechnologies.com. Withinter. www.karunadutechnologies.com



Internition (2) TUINT/2022/889 Avanted Date 24-09-2022 Duration 1 month		d toT	LTD	T CHART	ate for a to		Signature of Automaty
GICS ertificate	6.	Embedded an	GICS GLOBAL PVT 1	22 1 21-09-2022	neering. Ramohalli ga	G	1000 Deal
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TTME MARCINES MARCINES		fin mer			fire the stin	LUCK - JUJJ	and the second

WAY TRUTH Haghavendta Complete .



Certificate of Completion

Craurav M Pawar

Bearing USN No: <u>1 RR 19 EC018</u>. has successfully completed internship on Domain Embedded Systems & 107. From 24 08 2022 To 17 09 2022 A student of Kajarajerhwari College of Engineering.

We found him/her sincere, hardworking, dedicated and result oriented. We wish all the best for his/her future Endeavour.





We found him/her sincere, hardworking, dedicated and result oriented. We wish all the best for his/her future Endeavour.

To 17 09 2022 A student of Kaja Yajeshwari College of Engineering.

Certificate of Completion

Technologies

DIGIGDD

CROVARDHAN .B.S

Bearing USN No: <u>1 RR 19 EC019</u> has successfully completed internship on Domain Embedded Systems \$ 10T From 24 08 2022

lachno flv		udent of Rajanaj cSwari months/weeks of Internship & IOT Domain.	For TechnoFly Solutions
•	rulreat	in	dy Solutions, Vijayanagar, Bangaloje - 40 63476586, 6741150102 www.technolly.in
TechnoFly Soluti	ImE	This is to certify that GU COILEGE OF Engineering From 2408/22 To 17109/22	Date: 13 09 22 Terino Mob.: 90



ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

Bangalore Metro Rail Corporation Ltd.

Regil Office: B.M.T.C. Cumplex, 3rd Floor, K.H. Road, Shanthmagar. Bangatore - 568 827. (MDIA

No: BMRCL/CE (PM)/Internship/Certificate/2022-23

19th October 2022

21

TO WHOM-SO-EVER IT MAY CONCERN

....

This is to certify that Ms. GOWTHAMI R (IRR19F.C021) student studying in B.E. 4th Year, (Electronics and Communication Engineering) of RajaRajeswari College of Engineering, Bangalore has completed her Internship Training Programme in Bangalore Metro Rail Corporation Ltd., (BMRCL) from 22.08.2022 to 21.09.2022 under the guidance of Mr. Hemanth Kumar K.M, Executive Engineer (Telecom-1), BMRCL.

We wish her successful career and bright future ahead.

t 19/4/ww

(M. Srinivas) Chief Engineer (PM)

Internship ID TLINT/2022/881 Awarded Date 24-09-2022 Duration 1 month			/T. LTD.		Source contrast		Segnature of Authority	
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This is to certify that

Yaswanthgowda H 6

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

VP-Technical **T**Awasthi

APSIS SOLUTIONS

Shailendra Shukla General Manager

AUTHORISED MICROCHIP

TRAINING PARTNER

APSIS SOLUTIONS



CERTHICATE

This is to certify that

Kaliprasad . M

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

MICROCHIP AUTHORISED TRAINING PARTNER

Permanan St.

A

NADE - DE STEAM Induite N. F. Steam F. Mark, F. Disservice





CERTIFICATE

This is to certify that

Kawya 6

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

VP-Technical APSIS SOLUTIONS

G



Shailendra Shukia General Manager APSIS SOLUTIONS



ERTIFICATE

This is to certify that

Keenhi BN

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



1



Shailendra Shukla

APSIS SOLUTIONS General Manager

3





CERTIFICATE

This is to certify that

Rushala OVK

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



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Shailendra Shukla General Manager APSIS SOLUTIONS



विदेशसं २०११मा । एमसामार भगमा / AIRCRAFT DIVISION विकाशक संस्थाप / पेन्यू जीवनेगर/स्वसदस्वात complex 2-कोर्ड गुरु द्वविकारकोण टेटकोवर हिन्दूरतान एपीनॉटियपा लिमिटेड अभागण्डरता AERONAUTICS LIMITED



ของ สัญร์ ร่องรู้ (2000, donward-11,00002, gras) ซ้าย จำน (768, อังษุษ - 560017, www. Post Bag No 1788, Bengaluna: 560017, india Ph. : 91 - 80 - 2231 1741 Fax : 91 - 80 - 2231 1748

No.A/HR/509/318/2022

September 15, 2022

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CERTIFICATE

This is to certify that Ms. Manasa B G, USN 1RR19EC031 a bonaifide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed her Internship at Aircraft Division, HAL. Bangalore from 24.08.2022 to 15.09.2022

2. We wish her All the Best, Good Luck and Succees in his future endeavors

(Kanika Naraid) Senior Manager (HR)

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Ms, Manasa B G,

BE(Electronics & Communication),

Rajarajeswari College of Engineering Bangalore.

> ರೋಂದಾಯನ ಕಚೇರಿ : ೧೮೭೧, ಕಲ್ಲನ್ ರಕ್ಷೆ, ಬೆಂಗಳೂರು-೧೯೬೦೦೦೧, ಭಾರತ पंजीकृत कार्यालय : १९७१, गण्डन शेर, वेशसूह : 560.001, भारस Registered Office : 1571, Cubbon Road, Bengalum - 560.001, India ೩ ವ ಎನ್./ सी आई एन / CIN: 135301KA1963GO1001622 ರಾ./ ई/E.: hr_ac@hal-india.co.in

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No.A/HR/509/316/2022

September 15, 2022

CERTIFICATE

This is to certify that Mr. Manoj D. USN 1RR19EC033 a bonaifide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL. Bangalore from 24.08.2022 to 15.09.2022

2. We wish him. All the Best, Good Luck and Succees in his future endeavors

(Kanika Narain)

Senior Manager (HR)

Administration of the second s

Mr. Manoj D.

BE(Electronics & Communication),

Rajarajeswari College of Engineering Bangalore.

> ಮೋಂದಾಯತ ಕಚೇರಿ : ೧೫/೧, ಕಲ್ಟನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು–೫೬೦೦೦೧, ಭಾರತ पंजीकृत कार्यालय : 15/1, कचन रोइ, बॅंगलूर - 560.001, भारत Registered Office : 15/1, Cubbon Road, Bengaluru - 560.001, India ೩ ಐ.ಎನ್/ सी आई एन / CIN: L35301KA1963GOI001622 ಇ/ತೆ/ E : hr_ac@hal-india.co.in

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APSIS SOLUTIONS Shailendra Shukla General Manager

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No.A/HR/509/355 /2022

September 15, 2022

CERTIFICATE

This is to certify that **Mr. Manoj M R,** USN 1RR19EC035 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 24.08.2022 to 15.09.2022.

2 We wish him All the Best, Good Luck and Success in his future endeavors.

You cert (B Arackia Jothi) Chief Manager (HR)

Mr.Manoj M R,

BE(Electronics & Communication),

Rajarajeswari College of Engineering, Bangalore.

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Shailendra Shukla

APSIS SOLUTIONS General Manager

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APSIS SOLUTIONS Shailendra Shukla General Manager

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ษณ์ สัญรี ธะบริ ก.200, ส่งกระสม-36,00012, เสดร สำหรังๆ พ.1758, สิทธุษ - 560017, พระ Post Bag No.1758, Bengaluru - 560017, India Ph.: 91-80-2231 1741 Fax: 91-80-2231 5188

No.A.HR/509/366 /2022

September 15, 2022

CERTIFICATE

This is to certify that **Ms. Monika M K,** USN 1RR19EC038 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 24,08,2022 to 15.09.2022

We wish her All the Best, Good Luck and Success in her future endeavors.

(B Arockis Jothi) Chief Manager (HR)

Ms. Monika M K, BE(Electronics & Communication), Rajarajeswari College of Engineering, Bangalore.

রিংগ্রেমজের হয়াংচ : ೧೫/೧, হনুর' তেই, টেগেগ্রেকে-१८,০০০০, ফ্লারের पंजीकृत कार्यालय : 15/1, কর্মন रोड, बेगलून - 560 001, पास Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India 4 = এল'/ सी आई एग/CIN:L3530110A1963GO1001622 = 2/ई/E hr_ac@hal-india.co.in





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This is to certify that

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MICROCHIP AUTHORISED TRAINING PARTNER



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General Manager

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COMPLET

No.A.HR/509/ 38-1 /2022

September 15, 2022

CERTIFICATE

This is to certify that Ms. Nayana S R, USN 1RR19EC041 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 24.08.2022 to 15.09.2022.

2. We wish her All the Best, Good Luck and Success in her future endeavors.

(B Arockie Jothi) Chief Manager (HR) 11

Ms. Nayana S R, BE(Electronics & Communication), Rajarajeswari College of Engineering, Bangalore.



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E/HR/Internship/2022

CERTIFICATE



This is to certify that Mr. Nithish Kumar S, BE (Electronics and Communication Engineering) Student of Rajarajeswari College of Engineering, Bangalore has successfully completed his Internship in Electrical & Electronics Maintenance, Engine Division, Hindustan Aeronautics Limited (Bangalore Complex), Bengaluru - 560 093, during the period from 06-09-2022 to 21-09-2022 on No-Pay No-Fee Basis.

(This Certificate is issued for academic purpose only)

(SUJATA BELGAMKAR) CHIEF MANAGER-HR

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र्मकरणाडाव स्थेरच । तस्ताः, संपूर्ण वर्षु, वेकार्यस्ता - उद्य,०००००, प्रस्तव पंजीकृत कार्यालय : 1577, कस्रत्न रहे, रेपलुर - 560.001, प्राप्त Registered Office : 1577, Cubbon Road, Rengalaria - 560.001, India 2, 0 कल्ट/ सी आई एम / CIN: 1, 151078A1963GO1001622

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18:09.2022

CERTIFICATE

This is to certify that Ms. NITHYA RANI N (1RR19EC043), BE (E&C), from RAJARAJESWARI COLLEGE OF ENGINEERING. BENGALURU has completed her "INTERNSHIP TRAINING" from 24.08.2022 to 18.09.2022 at BEML Ltd., Bangalore Complex.

for BEML LIMITED.



(LATHA K) AGM – TRAINING



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18.09.2022

CERTIFICATE

This is to certify that Ms. NUTHYA'S PRASAD (IRR19EC044), BE (E&C), from RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU has completed her "INTERNSHIP TRAINENG" from 24.08.2022 to 18.09.2022 at BEMI Ltd. Bangalore Complex.

for BEMI, LIMITED.



(LATEA K) AGM – TRAINING



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October 13, 2022

CERTIFICATE

This is to certify that Ms. Nuthana G N Enrollment No.1RR19EC046 student of Raja Rajeshwari College of Engineering, Bangalore pursuing B.E final year has successfully completed Internship titled "Study of Tacho Generator Signal Conditioning" during 20-Aug-2022 to 20-Sept-2022 under the guidance of Mr. K S Venkatesh, Principal Scientist, Aerospace Electronics and Systems Division towards the fulfilment of the requirements of their University.

We wish Ms. Nuthana the very best in all her future endeavours.

2022

Mr. K S Venkatesh Principal Scientist, ALD Internship Guide CSIR-NAL

Dr. P K Panda, Chief Scientist & Head, MSD and Chairman, Academic Cell, CSIR-NAL

Dr. Manjuprasad M Chief Scientist & Adv (W&S and Head, KTIMD CSIR-NAL





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Pasupuleti Venkata Sai Lakshmi

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Shailendra Shukla General Manager

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No.A/HR/509/ -5 /2022

September 15, 2022

CERTIFICATE

This is to certify that Mr. Pavan M, USN IRR19EC049 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 24.08.2022 to 15.09.2022.

We wish him All the Best, Good Luck and Success in his future endeavors.

(B Arockla Jothi) Chief Manager (HR)

Mr.Pavan M,

BE(Electronics & Communication),

Rajarajeswari College of Engineering,

Bangalore

রেবেচেচেট্র চর্যার্চ : ೧೫/೧, চন্ট্রল' রেই, টেচেপ্ডেরত্র-সে১০০০০, ফ্রার্ডর पंजीकृत कार्यालय : 15/1, फल्टन रोड, इंगलूरु - 560.001, पारत Registered Office : 15/1, Cubbon Road, Bengaluru - 560.001, India ২ ত এল' । ব্যা আই তে। / CIN: L35301KA1963GO(001622 ত / ई / E : hr. ac@hal.india.co.in





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September 30, 2022

CERTIFICATE

This is to certify that Ms. Pavithra P Enrollment No.1RR19EC050 student of Rajarajeshwari College of Engineering, Bangalore pursuing BE fourth year Electronics and Communication Engineering has successfully completed Internship titled "Discrete IO Validation in VHDL" during 20-Sept-2022 to 20-Aug-2022 under the guidance of Mr. Anandaraj D, Principal Scientist, Aerospace Electronics and Systems Division towards the fulfilment of the requirements of their University.

We wish Ms. Pavithra the very best in all her future endeavours.

Mr. Anandaraj D / Principal Scientist, ALD Internship Guide CSIR-NAL

Phland

Dr. P K Panda, Chief Scientist & Head, MSD and Chairman, Academic Cell, CSIR-NAL

Dr. Manjuprasad M Chief Scientist & Adv (W&S) and Head, KTMD CSIR-NAL







Date- 19/10/2022

Certificate Of Internship

This is to certify that Poluru Harika (1RRI9EC051), has completed their design in embedded and Internet of things (IOT) with Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project that on "Controlling and monitoring street lights". They designed the model using embedded systems, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anur g Patwary (Product Manager)

Garlesh G

(Human Resources Manager)

Bengalury 560078

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Shailendra Shukla General Manager

APSIS SOLUTIONS

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PARTNER

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Shailendra Shukla General Manager APSIS SOLUTIONS

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Date 19/10/2022

Certificate Of Internship

This is to certify that Prajwal BR(1RRI9EC054), has completed their Machine Learning With Python Internship organised and handled by IC Solutions. from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for Diabetes prediction using machine learning. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

rea Patwary Product Manager

Garlesh G (Human Resources Manager)







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Certificate Of Internship

This is to certify that Prajwal G (1RR19EC055), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Product Manager

Garlesh G

(Human Resources Manager)

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Date- 19/10/2022

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Certificate Of Internship

This is to certify that Prajwal G (1RR19EC055), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

urda Patwary (Product Manager)

Garlesh G

(Human Resources Manager)

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This Certifies that

PRAJWAL G

RAJARAJESHWARI COLLEGE OF ENGINEERING Student of.

Has completed internship in Embedded System and IoT

21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

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> TAKE IT SMART Reg No. : 150027

150 9001 :2015

Internship Certificate

This Certifies that

Prajwal Prasad R (1RR19EC056)

Manual RajaRajeswari College of Engineering

associations and Home Automation Arduino using Embedded system and IOT

Trans. 21st August 2022. to: 21st September 2022

we found him/her shorre, Hurdworking, Dedicated and Result onented. She/he Worked well as Part of the team during his/lier tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

The startupindia

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Mr. Prashanth R S.

Bangalore.

BE(Electronics & Communication),

Rajarajeswari College of Engineering



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September 15, 2022

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CERTIFICATE

This is to certify that Mr. Preshanth R S, USN 1RR19EC057 a bonaifide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL. Bangalore from 24.08.2022 to 15.09.2022

2. We wish him All the Best, Good Luck and Succees in his future endeavors

(Kanika Narain) Senior Manager (HR)

Sloxor

ದೋರದಾಯತ ಕಚೇರ : ೧೮೫/೧, ಕಲ್ಲರ್ ರಕ್ಷೆ, ಬೆಂಗಳೂರು-ಟಿಓ೦೦೦೧, ಧಾರತ चೆರನಿರ್ಥನ ಹಾಡಗಿಸಿದ : १९७१, ಹಾಲ್ ಶಿಕ್ಷಿ, ತೆಗಲ್ಲನ - 560 001, ಇದನ Registered Office : 15/1, Cubbon Road, Bengalum - 560 001, India & ಜ ಎನ್/ ਜੀ ಹಾತೆ 1917 CINEL35301KA1963GO/001622 ಯ/ತೆ/E :lu_ac@hahindia.co.in

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APSIS SOLUTIONS

FRUTHICATE

This is to certify that

Prathyusha H. Humar

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS has successfully completed Four Weeks

From 22nd August 2022 to 17th September 2022

VP-Technical NVAWASthi

APSIS SOLUTIONS

Shailendra Shukla General Manager

-10

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AUTHORISED MICROCHIP TRAINING PARTNER



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TAKE IT SMART

Reg No. : 149093

ISO 9001 :2015

Internship Certificate

This Certifies that

PUNITH B

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed Internship in Machine Learning Using Python

From 21st August 2022 to 17th September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

ASAE #startupindia

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CERTIFICATE

1

We present this certificate to Mr. Purimetla Jagadeesh (USN:1RR19EC060) in recognition of his hard work and dedication as an intern at Knowx innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022, During this program he has undergone hands on training on 5051. Arduina, Tython, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "IOT based Flood Monitoring System".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.



Knowx Innovations (p) Ltd.

Corporate office and works (# 56/56, 2nd Picer, Punkpagin Complex, 17th Cross, 8th Main Visyanagar, Bangalore - 560,040, M/DIA: Ph. 91-080-41735554 www.knowxfindia.com





CERTIFICATE

We present this certificate to Mr. Rahul M R (USN:1RR19EC061) in recognition of his hard work and dedication as an intern at Knowx Innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022. During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "Internet of Things based on Garden Monitoring System".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

131 Uma, N

HR Manager

Knowx Innovations (p) Ltd.

Corporate office and works: in \$4.56, 200 Floor, Pathbager Complete 17th Cross, Mrt.Maie, Versionager, Rangaters: 600 den mitter my 10 (000-012)36555 worker kolosisation bar durm



APSIS SOLUTIONS

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CERTIFICATE

This is to certify that

Ranjitha I P

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

APSIS SOLUTIONS VP-Technical N Awasthi

APSIS SOLUTIONS

Shailendra Shukla General Manager





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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Rashmi Ohree W

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



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Sharlendra Shukla General Manager

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APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER







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APSIS SOLUTIONS

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CERTIFICATE

This is to certify that

Roopa. R

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

VP-Technical N Awasthi

ernerty' APSIS SOLUTIONS

5

Shailendra Shukla

UTHORISED. OCHIP

FRAINING

PARTNER

APSIS SOLUTIONS General Manager





Date- 19/10/2022

Certificate Of Internship

This is to certify that SAMEER KULKARNI (1RR19EC067), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

roduct Manager

Garlesh G

(Human Resources Manager)

Sengalury 560078

😋 internship@icsoln.com 🕑 www.icsoln.com 🙎 721 IP Nagar 7th Phase,

With Decomposition • Chapteri March Ang • Brandwigh Graphy: Decompositie • Values Official Associations



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APSIS SOLUTIONS

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CERTIFICATE

This is to certify that

Sanjana H

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INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

APSIS SOLUTIONS VP-Technical M. Awasthi NYA

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TRAINING PARTNER

AUTHORISED MICROCHIP

APSIS SOLUTIONS General Manager Shailendra Shukla

20

Bearing USN No: 1R.R.19ECO70 has successfully completed internship on Domain 00 VIO Manager, I To 17/09/2022 We found him/her sincere, hardworking, dedicated and result oriented. A student of KAJARAJESHWARI COLLEGE OF ENLINEERING Certificate of Completion We wish all the best for his/her future Endeavour. Embedded Systems 101 From 24/08 2022 2. n. YAUNAC Technologies DIGIGDD

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No A/HR/509/ 384 /2022

September 15, 2022

(B Arming Jothi)

Chief Manager (HR)

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CERTIFICATE

This is to certify that Mr. Santhosh Gowda K R, USN IRR19EC071 a bonafide BE(Electronics & Communication) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 24.08 2022 to 15.09 2022

2 We wish him All the Best, Good Luck and Success in his future endeavors.

Mr.Santhosh Gowda K R,

BE(Electronics & Communication),

Rajarajeswari College of Engineering.

Bangalore.

facoments size one-o, supr of identian-stacoon, ores पंजीपुरत कार्यालय : 1571, कब्बन रोइ, बेनलुक, 560,001, प्रदेल Registered Office | 1571, Cubbon Road, Bengaluru - 560.001, India ためのです相対教育です/CINCL35301KA1963GCH001622 モノモノモートにJac@hal-india.co.in



APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Sherlin Jagath J

has successfully completed Four Weeks INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022





Shailendra Shukla General Manager APSIS SOLUTIONS

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An Embedded and Tell costs company.

CERTIFICATE

We present this certificate to Mr. Shiva Kumar H M (USN:1RR19EC073) in recognition of his hard work and dedication as an intern at Knowx Innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022. During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi, Embedded C programming and was involved in design & development of project titled "Internet of Things based Smart Parking System".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

Uma. HR Manager

Knows Innovations (p) Ltd.

Conservation and and works, in Social S



Date- 19/10/2022

Certificate Of Internship

This is to certify that Shreyank H(1RR19EC074), has completed their Machine Learning With Python Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for predicting the risks of Chronic diseases. They designed the Machine Learning model, demonstrated and tested the working of the Madel, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Product Manager

Garlesh G Humber Resources Montpiper

C internship@icsaln.com 🥙 www.icsoln.com 🙎 721 JP Nagar 7th Phase. Bengaluru 560078

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Reg No. : 150028

ISO 9001 :2015

Internship Certificate

This Certifies that

SHREVANK H

Student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Has completed Internship in Embedded System and IoT

21st August 2022 to 21st September 2022

From

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future

USINE #startupindia

Date

Mallikarjun Kumbar Director

Take It Smart (OFC) PW IND

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Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

SNEHA G (IRR19EC078)

student of RajaRajeswari College of Engineering

Hav completed interview in Medical Instruments using embedded system and IOT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented. She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

MEME #startupindia

10



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CERTEICATE

This is to certify that

Sonali Chavan D

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

APSIS SOLUTIONS VP-Technical N Awasthi

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla General Manager APSIS SOLUTIONS



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TO WHOMSDEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Ms. Spandana C 5 [USN – IRR19EC080], a student of 8 C or Electronic and Communication Engineering from "Rajarajeswari College of Engineering" languages has successfully completed interesties work on the Innuan "Embedded System and lot" with project "Smart Street Light" at "Chira Information Technologies" from 2.1" highed 2022 to 27" September 2022 under the partacer of Mr. Kishan M. Sence meetware Developer

Her conduct and performance was good throng the tenare.

Project/Internship Guide

No. 2934 & 2935E "ARERANGA" COMPLEX 2nd Floor, Vijaynagar Bengaluru - 560 040, India Ph.: 080 23504195, 41270234, 41660033, 41270201, sales@chirait.com www.chirait.com





An Embedded and Times on company,

CERTIFICATE

We present this certificate to Mr. Sujay G S (USN:1RR19EC081) in recognition of his hard work and dedication as an intern at Knowx innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022; During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "Internet of Things based on Environmental Monitoring Using Raspberry Pi".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

Uma. N HR Manager

Knowx Innovations (p) Ltd.



APSIS SOLUTIONS

TATE ER

This is to certify that

Sukruthi R Jowda

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022

VP-Technical N/Awasthi

APSIS SOLUTIONS

APSIS SOLUTIONS Shailendra Shukla General Manager

AUTHORISED MICROCHIP **FRAINING** PARTNER



मानव संसधन विभाग इतिकोप्टर प्रभाग (हैक) हिलुस्तान एरोनाटिक्स लिपिटेड क्षेत्र्र बंग सच्चा 1790, वेंगनूर - 560017, भारत



HR DEPARTMENT HELICOPTER DIVISION (HC) HINDUSTAN AERONAUTICS LIMITED Post Bag No. 1790, Bangalore-560 017, India Ph. (grupp) : 91-80-2231 7891, 2232 2918 Fax (frm) : 91-80-2231 7891, 2232 2918

Ref: H/A/HR/CM (PR)/2022

September 19, 2022

CERTIFICATE

This is to certify that Ms. Supritha S (USN No : 1RR19EC083) student of BE – Elecronics and Communication Engineering, Rajarajeswari College of Engineering, Bangalore, has undergone "Internship" in Final Assembly-Ch/Ck Department, HAL-Helicopter Division from 22.08.2022 to 19.09.2022.

 Her Punctuality, Conduct, Behaviour and Progress during the period of "Internship" was Satisfactory.

3. We wish Ms. Supritha S all the very best in all her future endeavors.

For HAL-Helicopter Division

(Tarani Ranjan Patro) Senior Manager (HR)

Lico antipati (al 15) Trai tara usi dite yaya (un) TARANI RANJAN PATICO Sr. Manager (HR) Congr. Congr. Co

III) third mide

पंत्रीकृत कार्यलय : 15/1, कम्बन रोड, बंगनुग - 360001, भारत

Registered Office: 15/1, Cubbon Road, Bangalore-560 001, India CIN: U35301KA1963601001632 Etd) https://doi.org/

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CERTIFICATE

We present this certificate to Mr. Surya D (USN:1RR19EC085) in recognition of his hard work and dedication as an intern at Knowx Innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022. During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "Embedded Voting System using Raspberry Pi".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

Kima: N HR Manager

Knowx Innovations (p) Ltd.

Corporate office and works 1# 56/56, 2nd Floor, Pushpage: Complex, 17th Cross, 8th Man. Vijayanagar, Bangalare - 560 840, WDIA, Ph 1 01-080-41735554 worke knownerhold a comm



TO WHOM IT MAY CONCERN

This is to certify that Ms. Sushma GS (IRR19EC086) from Rajarajeswari College of Engineering, Bangalore, successfully completed her academic internship of one month between 21/08/2022 and 17/09/2022 with Ekam rehab tech Pvt. Ltd., Manipal, under the guidance of senior embedded engineer Mr. Shamanth Madapur.

Internship role: Embedded engineer on medical device product development.

During her tenure, we found her active and competent in executing all assigned tasks and services were found to be satisfactory.

We wish her great success in all of her future endeavours.

Thanking You,

Date: 17/09/2022



Your Faithful,

Mr. Shamanth Madapur

Senior Embedded Engineer

Ekam Rehab Tech Pvt Ltd, Manipal

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Ref. EVANTERASHIP/2012/47

DATE 17/09/2022

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Ms. Swathi a [USN – 1RR19(C087], a manimum of 6.1 – Precision and Communication. Engineering, from "Rajarajesware College of Engineering" dimension mensuccessfully completed interriction work on the domain "Embedded System and IoT1 with project "Smart Electric Cycle" at "Chira Information Technologies" from 22.1 August 2022 to 2.17 September 2022 under the guidance of Mrs. Shruthi K-S. Joner Hardware Developer.

Her conduct and performance was good during the timury

Project/internubip Guide

No. 2934 & 2935E "ARERANGA" COMPLEX 2nd Floor, Vijaynagar Bengaluru - 560 040. India Ph.: 080 23504196, 41270234, 41660033, 41270201, sales@chirait.com www.chirait.com



INTERNSHIP CERTFICATE

This is to certify that SWETHA SRINIVAS(1RR19EC088)

from

Rajarajeswari College of Engineering

has completed the Onsite internship program at Entuple Technologies, Bangalore on

DESIGN AND VERIFICATION USING VERILOG

And presented project on Dice Game

from Aug 21, 2022 to Sep 17, 2022

NO-PU AND

Mr. Vidyasagar M.K Business Manager,

Certificate Number: 2210180002

Entuple Technologies Pvt. Ltd.





Ref. The PACOUT IMPO

14" Sept 20.22

TO WHOM IT MAY CONCERN

This is to certify that Mr Syed Avez Hussain (USN -1RR19EC089) student of RRCE Bangalore has successfully completed his internship in Our Organization Tech Fortune Technologies from 21 August 2022 to 17th September 2022.

He was working on the "Machine Learning with Python programming language- Unemployement Analysis Using Clustering" project. The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies



Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 22ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph. +91 9591 58 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com

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भारत इलेक्ट्रॉनिक्स लिमिटेड (मारत जरकार का उग्रम, त्या मजालव) उत्पाद विकास एवं नवोन्मेष केंद्र जालहल्ली पोस्ट, बेंगलूरु-560 013, बारत BHARAT ELECTRONICS LIMITED (A Govt of India Emerprise, Ministry of Defence) Product Development & Innovation Centre Jalahalli Post, Bengaluru-560 013, India.

फोन	Phone :
फैक्स	Fax :
ईमेल	E-mail :

सं/No: 6050/HR/PDIC/PT- 242/2022-23 दिनांक/Date: 12.09.2022

प्रमाण-पत्र - CERTIFICATE

This is to certify that Mr. Tejas I Telkar student of Rajarajeswari College of Engineering Bangalore, has undergone Internship in Automation Solutions Division of Product Development & Innovation Centre of BEL from 22.08.2022 to 12.09.2022.

He was regular and punctual and his conduct was satisfactory during period.

CRAGINA

प्रबंधक (मा.सं/उत्ति न के) Manager (HR/ PDIC) (=) (२) (२८)

राषमा एव. एस. / RAGHAVA H.S. स्टाइ. स. / STAFF Na. 212487 बावपस: / MANAGEA मा. स. (दोरीजार्ग्सी) / अत्र (POIC)

स्वीपुरु एवं कारवेरेंड आर्थित । नागवास, अववर गिंग रोष, बेसतूस - 560.045; कारत Reg. & Corporate Offlor : Nagavara, Outer Ring Road, Bengalura - 560.045; India मी अर्थ एक / CIN : L32309KA1954GO1000787 आई एक औ / ISO 9001 and 14001 प्रमाणित वंधनी / Certified Company





CERTIFICATE

This is to certify that

Makshith B K

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS has successfully completed Four Weeks

From 22nd August 2022 to 17th September 2022

APSIS SOLUTIONS



MICROCHIP AUTHORISED TRAINING PARTNER



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10th Sept 2022

TO WHOM IT MAY CONCERN

This is to certify that Mr Tousif Ali Muzawar (1RR19EC092) student of RRCE Bangalore has successfully completed his Internship in Our Organization Tech Fortune Technologies from 21st August 2022 to 17th September 2022.

He was working on the "Machine Learning with Python programming language –Unemployment Analysis Using Clustering". The time he joined, He was very fast to pick up the technical details of the project. He is really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech Fortune Technologies

Authorised Signatory

Mallikarjun V S CEO- Tech Fortune Place: Bangalore

TECH FORTUNE TECHNOLOGIES

#18 72ND MAIN SUBANNA GARDEN, VIJAYANAGAR, BANGALORE - 560040 Ph. +91 9591 68 7142/9317 35 5535 - www.sech fortune.com.Lemail.info@tech.fortune.com मानव संसधन विभाग हेलिकोप्टा प्रभाग (हेक्व) हिलुस्तान एरोनाटिक्स लिपिटेठ क्षेस्ट रेग सफल 1790, बेंगलूर - 560017, भाग



HR DEPARTMENT HELICOPTER DIVISION (HC) HINDUSTAN AERONAUTICS LIMITED Post Bag No. 1790, Bangalore-560 017, India Ph. (TMM): 91-80-2231 1891, 2232 2918 Fax (AMM): 91-80-22314717

Ref: H/A/HR/CM (PR)/2022

September 19, 2022

CERTIFICATE

This is to certify that Mr. Tushar Khatawakar N (USN No: 1RR19EC094) student of BE – Elecronics and Communication Engineering, Rajarajeswari College of Engineering, Bangalore, has undergone "Internship" in Final Assembly-Ch/Ck. Department, HAL-Helicopter Division from 22.08.2022 to 19.09.2022.

 His Punctuality, Conduct, Behaviour and Progress during the period of "Internship" was Satisfactory.

 We wish Mr. Tushar Khatawakar N all the very best in all his future endeavors.

For HAL-Helicopter Division

(Tarani Ranjan Patro) Senior Manager (HR) इंग्रेड उठान्त' Local जन्म वरिष्ठ प्रथयक्ष (मास) TASANI RANJAN PATRO Sr. Manager (HR) ' जन्म Lond 200207, धनायुर-17 bollez समाग, एकएस, धनायुर-17 bollez समाग, एकएस, धनायुर-17 bollez समाग, एकएस, धनायुर-17

पंजीवृत्व कार्यलय : 15/1, कव्यन रोड, बंगलूर - 560001, भारत Registered Office: 15/1, Cubbon Road, Bangalore-560 001, India CIN: U35301KA1963GO1001622 E(t) : hr hcop@hal-india.com

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CERTFICATE

This is to certify that

Narnitha M Shet

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



MICROCHIP AUTHORISED TRAINING PARTNER



Shailendra Shukla General Manager APSIS SOLUTIONS



APSIS SOLUTIONS

HLACIT HXH

This is to certify that

Varshith Raj & R

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

N'Awasthi

APSIS SOLUTIONS VP-Technical

Shailendra Shukla General Manager

APSIS SOLUTIONS

AUTHORISED MICROCHIP **FRAINING** PARTNER




Date- 19/10/2022

Certificate Of Internship

This is to certify that Varshitha D C (1RRI9EC097), has completed their design in embedded and Internet of things (IOT) with Internship organised and handled by IC Solutions from 23rd August, 2022 to 27th September, 2022.

The person to whom this certificate is addressed to has worked on a project titled Algorithm for "voice controlled robot". They designed the model using embedded systems, demonstrated and tested the working of the Model, Prepared a report highligting its flaws by understanding the design briefs and Specifications that were provided.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

Anur g Patwary (Product Manager)

Garlesh G

(Human Resources Manager)

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Bengaluru 560078

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www.takeitsmart.in

TAKE IT SMART Reg No. : 150027

ISO 9001 :2015

Internalip Certificate

This Certifies that

C Varun (1RR19EC098)

student of RajaRajeswari College of Engineering

Has completed internship in Weather Monitoring using Embedded system and IOT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented. She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar Director

MERE #startupindia

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APSIS SOLUTIONS

RERTEADER

This is to certify that

Varun Raj & R

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



APSIS SOLUTIONS

AUTHORISED MICROCHIP

FRAINING PARTNER

APSIS SOLUTIONS Shailendra Shukla General Manager



APSIS SOLUTIONS

CERTIFICATE

411M D 3441935

1201022/010-2

This is to certify that

Ninau HBR

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

VP-Technical 4-Awasthi

APSIS SOLUTIONS

MICROCHIP

Shailendra Shukla

C.J.

APSIS SOLUTIONS

General Manager

MICROCHIP AUTHORISED TRAINING PARTNER









1

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Nishwanath 98 @

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks



APSIS SOLUTIONS **VP-Technical**

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APSIS SOLUTIONS

Shailendra Shukla General Manager

AUTHORISED MICROCHIP

TRAINING PARTNER



CERTIFICATE

We present this certificate to Mr. Vishwas B (USN:1RR19EC102) in recognition of his hard work and dedication as an intern at Knowx Innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022. During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "IOT based Toll Gate System".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

Knowx Innovations (p) Ltd.

Corporate office and works: # 55/56, 2nd Floor, Plastplager Complex, 17th Class, Bill Main, Visyanapar, Bangalore - 56/L040, INDIA, Ph.: 91-080-#1735554 www.knowxindia.com



HR DEPARTMENT HELICOPTER DIVISION (HC) HINDUSTAN AERONAUTICS LIMITED Post Bag No.1790, Bangalore-560 017, India Ph. (ENTR) : 91-80-2231 7891, 1232 2918 Fax (Wrst) : 91-80-22314717

Ref: H/A/HR/CM (PR)/2022

September 19, 2022

CERTIFICATE

This is to certify that Mr. Yashas J (USN No : 1RR19EC103) student of BE – Elecronics and Communication Engineering, Rajarajeswari College of Engineering, Bangalore, has undergone "Internship" in Final Assembly-Ch/Ck Department, HAL-Helicopter Division from 22.08.2022 to 19.09.2022.

2. His Punctuality, Conduct, Behaviour and Progress during the period of "Internship" was Satisfactory.

3. We wish Mr. Yashas J all the very best in all his future endeavors.

For HAL-Helicopter Division

(Tarani Ranjan Patro)

Senior Manager (HR) den deter anti-<u>೩೦ಜು ಪ್ರದಸ್</u>ಧವನ್ (ಮ.ಸಂ) गरनी रंजन पावी वरिष्ठ प्रबंधक (मान) TARANI RANJAN PATEO Sr. Manager (HR) of light although der

्रेफ्टन वभागः, एकस्टल, मेंग मृत त्यान देवक्वा संस्थिति वित्तिर्वतः व

पंजीकृत कार्यलय : 15/1, कव्यन रोड, वेण्यूर - secon, मार Registered Office: 15/1, Cubbon Road, Bangalore 560 001, India CIN:U33301KA19636O1001622 (Y) : https://balancia.com

Scanned with CamScanner



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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Satheest R B

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS From 22nd August 2022 to 17th September 2022 has successfully completed Four Weeks

Awasthi

VP-Technical

APSIS SOLUTIONS

AUTHORISED TRAINING PARTNER



Shailendra Shukla General Manager

APSIS SOLUTIONS



CERTIFICATE

We present this certificate to Mr. Madesh N (USN:1RR20EC400) in recognition of his hard work and dedication as an intern at Knowx Innovations (P) Ltd, in Embedded Systems and IOT. The internship training program was conducted between 21st August 2022 to 21st September 2022. During this program he has undergone hands on training on 8051, Arduino, Python, Raspberry Pi ,Embedded C programming and was involved in design & development of project titled "Street Light Controller using Raspberry Pi".

Congratulations & best wishes for his future endeavors.

For KNOWX Innovations (P) Ltd.

Uma. N HR Manager

Knowx Innovations (p) Ltd.

Curborale office and works. # 56:56. 2nd Rice: Posteragel Complex, 17th Cross, 8th Main. Viewanagar Bangalora - 560.540. INDIA: Phr. 81-080-41735554 www.kindowolnidia.comi





RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)



Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Management Studies

Internship Details - 3rd SEM – (2021-2023)

Sl No	Name	USN	Company Name In Which Internship Have Taken Place
1	Ajith Kumar D	1RR21BA001	5 Rays Consulting Indian Pvt.Ltd
2	Akshatha K S	1RR21BA002	Sharekhan
3	Akshatha N	1RR21BA003	LC Enterprises Private Limited
4	Amrutha Gowda HM	1RR21BA004	Senapathy Whitley Pvt Limited
5	Anil M R	1RR21BA005	Hindustan Coca Cola Beverages Pvt Ltd
6	Ashish Gowda M	1RR21BA006	Paras Wires Pvt Ltd
7	Basavaraj Ainapur	1RR21BA007	Cafe Coffee Day
8	Bhargavi.V	1RR21BA008	Karnataka Soaps And Detergents Limited
9	Bhavani Bs	1RR21BA009	Varun Beverage Ltd
10	Bindu R	1RR21BA010	Macurex Sensors Private Limited
11	Chandrashekhar S	1RR21BA011	Clout Business Network Ltd
12	Chethan K H	1RR21BA012	Web Blitz Software Pvt Ltd
13	Darshan D R	1RR21BA013	Maharaja Soap Pvt Ltd, Davangere
14	Dinesh DS	1RR21BA014	Bilz Tool Pvt Ltd
15	Ganesh K M	1RR21BA015	Sujaya Industry
16	Govindaraju M	1RR21BA016	Blitz Technology
17	Harsha V S	1RR21BA017	Mandya Milk Union Limited, Mandya
18	Harshitha G K	1RR21BA018	Tenshi Kaizen Private Limited
19	Harshitha.R	1RR21BA019	Biesse Manufacturing Company
20	Hemalatha B R	1RR21BA020	Lakshmi Control And Instruments
21	Jeevan K Y	1RR21BA021	Shree Gajanana Transport Limited,Sagar(T),Shivmogga(D),Service Industry
22	Keerthan MS	1RR21BA022	Sree Sai Mitra Drip Industries Private Limited.Chintamani
23	Keerthana.B	1RR21BA023	Voltron Power Systems
24	KEERTHANA V	1RR21BA024	HINDUJA PROCESSING AND FINISHING UNIT(Gokaldas Exports Ltd)
25	Keerthi C I	1RR21BA025	Paramount Nutrition Pvt Ltd
26	Kiran Kumar K R	1RR21BA026	ACC Ltd
27	KOWSHALYA H R	1RR21BA027	Namdhari Seeds Pvt Ltd
28	MADAN C D	1RR21BA028	ILCAS PVT LTD



RajaRajeswari College of Engineering





Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Department of Management Studies

29	Madhan C V	1RR21BA029	KAVIKA Ltd
30	Minamanuru Chamanthi	1RR21BA030	Sri Mythraa Business Solutions LLP
31	Nagaraju A	1RR21BA031	Angel Broking Limited
32	Narendra R	1RR21BA032	Konigtronics Private Limited
33	Nishanth R	1RR21BA033	TP WOODEN INDUSTRY LTD
34	Niveditha B	1RR21BA034	Bhavya Satish And Co.
35	Padmavathi E	1RR21BA035	Siri Solar Enterprise Marketing
36	Pallavi D	1RR21BA036	Reviewsrio Pvt Ltd
37	Prajwal A S	1RR21BA037	S.S. Industries.
38	Prasanna R	1RR21BA038	Kolar Milk Union Limited
39	Pushpa Ks	1RR21BA039	Lotus Power Gear Private Limited
40	Ramya H G	1RR21BA040	Hindustan United Tools Pvt Ltd
41	Ramya S	1RR21BA041	GOLOKA SEVA TRUST
42	Roopa PS	1RR21BA042	Apollo Paints Pvt.Ltd
43	Sahana.K	1RR21BA043	Trinity Beverages Private Limited
44	Sahana.KS	1RR21BA044	Eveready Industries India Limited
45	Sanjay TN	1RR21BA045	HR ENTERPRISES LTD
46	Santhosh KM	1RR21BA046	Peekay Steel Castings (P) Ltd
47	Shashank P	1RR21BA047	Bharath Heavy Electronics Ltd (BHEL)
48	Shrishail Hunagund	1RR21BA048	Aclegit Consulting Private Limited
49	Sneha YM	1RR21BA049	Linfox Logistics India Pvt Ltd
50	Sudarshan S	1RR21BA050	Eagle Technologies, Mysore
51	Sujana.A	1RR21BA051	BEML
52	Suresh M C	1RR21BA053	KMF - Bangalore Milk Union Limited.
53	Swapna SD	1RR21BA054	Wonder Blues
54	Vinutha B	1RR21BA055	ARCHIDPLY WOOD DECOR INDUSTRIAL PVT LTD
55	Yashashwini.V	1RR21BA056	Faurecia Emission Control Technologies PVT LTD
56	Yeshwanth V	1RR21BA057	You V Research Pvt Ltd
57	Yugendra R	1RR21BA058	Ultratech Cement

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ಅಂಭ ಹೆಚ್ಚಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-332,00೧೭, ಭಾರತ uhez बेन स. 1788, बेनाइल - 560 017, भागत Post Bag No.1788, Bengaluru - 560.017, India Ph.: 91-80-22311741 Fax: 91-80-22315188

No.A/HR/509/ 379 /2022

October 15, 2022

(B Arockia Jothi)

Chief Manager (HR)

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CERTIFICATE

This is to certify that Mr. Kiran B H, USN 1RR19ME007 a bonafide BE(Mechanical) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 16.09.2022 to 15.10.2022.

We wish him All the Best, Good Luck and Success in his future endeavors. 2.

Mr.Kiran B H, BE(Mechanical), Rajarajeswari College of Engineering, Bangalore.

ಗೋಂದಾಯತ ಕಚೇರಿ : ೧೫/೧, ಕಲ್ಪನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಧಾರತ पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बेंगलूरु - 560.001, भारत Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India. 초 # 교류 / 위 제품 면 / CIN: L35301KA1963GOI001622 # / # / # / E . hr .ac@hal-india.co.in

SHANTHALA SPHEROCAST PRIVATE LIMITED



UNIT-1: # 36 -B. SHIVAMOGGA - BHADRAVATHI INDUSTRIAL AREA, MACHENAHALLI NIDIGE POST, SHIVAMOGGA -577 222, KARNATAKA, INDIA

Mfrs: Grey Iron, Ductile Iron, Alloy cast Iron

20th November 2023

CERTIFICATE

This is to certify that Mr. SAAICHARAN V (Reg No. 1RR19ME018) a student of BE (Mechanical Engineering) from Rajarajeswari College of Engineering, Bangalore has successfully completed his internship training in our organization from 20.11.2022 to 19.12.2022 on the topic "Production of Iron Castings" at SHANTHALA SPHEROCAST PVT.LTD.

During the period he has taken M/r SSPL interest in the study. We wish all the best for his future endeavor.

For SHANTHALA SPHEROCAST PRIVATE LIMITED

Mr-GSYOGESH

Technical director

SHANTHALA SPHEROCAST PRIVATE LIMITED



UNIT-1: # 36 -B. SHIVAMOGGA - BHADRAVATHI INDUSTRIAL AREA, MACHENAHALLI NIDIGE POST, SHIVAMOGGA -577 222, KARNATAKA, INDIA

Mfrs: Grey Iron, Ductile Iron, Alloy cast Iron

20th November 2023

CERTIFICATE

This is to certify that Mr. SURYA R (Reg No. 1RR17ME115) a student of BE (Mechanical Engineering) from **Rajarajeswari College of Engineering**, Bangalore has successfully completed his internship training in our organization from 20.11.2022 to 19.12.2022 on the topic "Production of Iron Castings" at SHANTHALA SPHEROCAST PVT.LTD.

During the period he has taken M/r SSPL interest in the study. We wish all the best for his future endeavor.

For SHANTHALA SPHEROCAST PRIVATE LIMITED



Technical director

SHANTHALA SPHEROCAST PRIVATE LIMITED



UNIT-1: # 36 -B. SHIVAMOGGA - BHADRAVATHI INDUSTRIAL AREA, MACHENAHALLI NIDIGE POST, SHIVAMOGGA -577 222, KARNATAKA, INDIA

Mfrs: Grey Iron, Ductile Iron, Alloy cast Iron

20th November 2023

CERTIFICATE

This is to certify that Mr. NAVEEN KUMAR R (Reg No. 1RR19ME012) a student of BE (Mechanical Engineering) from **Rajarajeswari College of Engineering**, Bangalore has successfully completed his internship training in our organization from 20.11.2022 to 19.12.2022 on the topic "Production of Iron Castings" at SHANTHALA SPHEROCAST PVT.LTD.

During the period he has taken M/r SSPL interest in the study. We wish all the best for his future endeavor.

For SHANTHALA SPHEROCAST PRIVATE LIMITED



Technical director

No.32A & 32B, Shivamogga-Bhadravathl Industrial Area, Machenahalli, Nidige Post - 577 222, SHIVAMOGGA, KARNATAKA PH : 08182246144 Email : info@shanthalaspherocast.com



Bosch Limited No. 42, II Phase, Sector 2, KIADB Industrial Area, Shanumangala, Bidadi Hobli, Ramanagar Dist.-562 109, www.boschindia.com

Tel. ; Fax : Date : 03.10.2022

Your rel/date

Our ref BidP1/HRL

CERTIFICATE

This is to certify that **Mr. VISHNU S R** from Rajarajeshwari College Of Engineering, Pursuing BE in Mechanical Engineering, has completed his internship training at our Bosch Bidadi Location.

Internship training period was from 05.09.2022 to 03.10.2022.

During this period his performance and conduct was good.

Yours sincerely, For Bosch Limited,

Seetharamu. G 'Manager (Training &Development)

> Bosch Limited No. 42, Phane 2, Sector 2 KrADH Industrial Area Shammaopala, Bloadi Hohll Ramanagara Unstrict - 562 109.

ವಿಮಾನ ವಿಭಾಗ / एवरक्राफ्ट प्रभाग / AIRCRAFT DIVISION ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बॅगलूर कॉम्लेक्स / BANGALOBE COMPLEX ಹಿಂದೂಸ್ಥಾನ್ ಎರೋನಾಟಕ್ಸ್ ಲಿಮಟೆಡ್ हिन्दुस्तान एरोनॉटिक्स लिमिटेड HINDUSTAN AERONAUTICS LIMITED



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No.A/HR/509/ 380 /2022

October 15, 2022

www.hal-india.co.in

CERTIFICATE

This is to certify that **Mr. Sandeep V S,** USN 1RR19ME020 a bonafide BE(Mechanical) student of Rajarajeswari College of Engineering has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 16.09.2022 to 15.10.2022.

We wish him All the Best, Good Luck and Success in his future endeavors.

(B) ia Jothi) Chief Manager (HR) ti, and a still (II, analita 125

THE READER (10,00) (10,00)

Mr.Sandeep V S,

BE(Mechanical),

Rajarajeswari College of Engineering, Bangalore.

> ಮೋಂದಾಯತ ಕಚೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು--೫೬೦೦೦೧, ಭಾರತ पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बेंगलूरु - 560 001, भारत Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

೨ ಐ ಎನ್/ सी आई एन / CIN: L35301KA1963GOl001622 ಇ / ई / E : hr_ac@hal-india.co.in



08.03.2023

CERTIFICATE

This is to certify that Mr. Sarath Kumar V (U.S.N : 1RR19ME021) from RajaRajeswari College Of Engineering – Bangalore, who is doing B.E – Final year has done an Internship in our organization as a partial fulfilment of his course curriculum during the period from 01st February 2023 to 4th March 2023.

During the period, he has shown keen interest in learning our practices and successfully completed the Internship to our Satisfaction.

WE WISH HIM SUCCESS IN ALL HIS FUTURE ENDEAVOURS.

For Featherlite Office Systems Pvt.Ltd

Kavithe L

Kavitha U HR-Manager



FEATHERLITE OFFICE SYSTEMS (P) LTD # 83 & 80/1, Bengatore - Mysore Road, Hejjata Circle, Ramanagaram Dial. Tei : 28437778 Pin Code - 562 109 Fax : 28437771 w

Fax 25437771 website ! www.leatherMetumiture.com

08.03.2023



CERTIFICATE

This is to certify that Mr. Darshan Rathod B.U (U.S.N : 1RR19ME003) from RajaRajeswari College Of Engineering – Bangalore, who is doing B.E – Final year has done an Internship in our organization as a partial fulfilment of his course curriculum during the period from 01st February 2023 to 4th March 2023.

During the period, he has shown keen interest in learning our practices and successfully completed the Internship to our Satisfaction.

WE WISH HIM SUCCESS IN ALL HIS FUTURE ENDEAVOURS.

For Featherlite Office Systems Pvt.Ltd

avit all.

Kavitha U HR-Manager



FEATHERLITE OFFICE SYSTEMS (P) LTD

83 & 88/1, Bangalore - Mysore Road, Hinjala Circle, Ramanagaram Dist. Pils Code - 562 109.

Tel : 28437778 Fax : 28437771 website : www.featheriteEumiture.com





Bosch Limited No. 42, II Phase, Sector 2, KIADB Industrial Area, Shanumangala, Bidadi Hobli, Ramanagar Dist.-562 109, www.boschindia.com

Tel. : Fax : Date : 03.10.2022

Your ref/date

Our rof

BidP1/HRL

CERTIFICATE

This is to certify that Mr. KISHAN N from Rajarajeshwari College Of Engineering, Pursuing BE in Mechanical Engineering, has completed his internship training at our Bosch Bidadi Location.

Internship training period was from 05.09.2022 to 03.10.2022.

During this period his performance and conduct was good.

Yours sincerely, For Bosch Limited,

03/10/2022

Seetharamu. G Manager (Training &Development)

> Bosch Limited No. 42, Phase-2, Sector-2 , KIADB Industrial Area Shanumangala, Bidadi Hobli Ramanagara District - 562 109.



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Date: 06-10-2022

CERTIFICATE FOR INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss Vaishnavi, BE student in Mechanical Engineering from RAIA RAJESHWARI College of Engineering Bangalore, has successfully completed the internship at FAME tech solution Pune, under the guidance on Mr. Praveen Yakkundi, during the period from 5/09/2022 to 6/10/2022.

We have found her to be a self-starter who is motivated, duty bound and hard working. She worked sincerely on her assignments and her performance was PAR Excellence.

We wish her all the success in her future Endeavors.

Yours faithfully, For FAME TECH SOLUTIONS

PRADEEP YAKKUNDI MTech (EEE) (M.D)



Shelarvasti, DehuAlandi Road, Chikhali, Pune, Maharashtra 411062 CONTACT NO.: 9168818858, 9146950746 Email Id: Info@fametechsolutions.in

NAME

SANJAY DIGHE

Your letter of our reference GELO.1109/ESS/SL/ER/KOL DATE: 30/09/2022

Internship Completion Certificate

This is to certify that Mr. ABIN. T is undergoing training at our organisation from 1 September 2022 to September 2022

He submitted a project presentation on "Industrial Automation & Drives"

During his stay in Siemens we found him committed and his performance as well as conduct was appreciable.

We wish him all the very best in his future endeavours

Yours Sincerely Siemens Ltd

SANJAY DIGHE GENERAL MANAGER SIEMENS LTD.









RAJAJNACAR NOUSTRUAL ESTATE BENGALURU - 500 010 NOLA

Govt. Tool Room & Training Centre

Certificate of Competency

Reqister No. : ST160118443

This is to centify that Mn./Ms. RAHUL S has undengone the



" CATIA - V5 "

Course for a period of 01 Month From : 01.05.2022 To : 30.09.2022 at Covr. Tool Room & Training Centre, BENGALURU For having completed the course successfully

he/she is awarded with this centificate of competency.

Co-ofdivaron

H-1 . Guda 19 adm

Paincipal

13.10.2022

DATE :



A Govt. of Karnataka Society)

(An Indo - Danish Project) Rajajinagar Industrial Estate, Bengaluru - 560 010, INDIA

Date: 21.04.2023

Internship Certificate

Certificate of Competency is awarded for successful Completion of Course in <u>UNIGRAPHICS</u> to Mr. <u>SIDDARTH</u> <u>S</u> for the period of <u>03.04.2023</u> to <u>21.04.2023</u> at Govt. Tool Room & Training Centre, Bangalore.

Principal

Principal Govt. Tool Room & Training Centre Rajajinagar Industrial Estate, Bangalore- 560 010

TRAINING IN TOOLING, CADICAM, ELECTRICS ETC. SPEALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS DICASTING TOOLS & PRECISION COMPONENTS, B&D IN TOOLONG, MACHINING PROCESSES & RAPID PROTOTYPING Tel: 23152118, 23152119, 23157189, 23152346, Fax: 91-080-23301683 Website: www.karnataka.gov.in/gitc__Grams_G_T_T_C_____A Scientific & Industrial Research Organisation recognized by Govt. of India

PROMAN

PROMAN INFRASTRUCTURE SERVICE PVT LTD

No. 5, KIADB, Kumbalgodu, Phase 2, (On the Big Banyan Tree Road), Bangalore - 560 074. Phone : 0091-80-2843 7967 / 68 / 69 / 70 Fax : 0091-80-2843 7971 E-mail : promaninfi@yahoo.com CIN: U51109KA2001PTC029933 Visit us at : www.promaninfi.com

3 October 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Kautuk Avinash Gaonkar, Student, Mechanical Engineering, Rjarajeshwari Engineering College, Bangalore - USN 1RR18ME017 has successfully completed internship in production and manufacturing department for the period from 08th September to 30th September 2022 in our organisation.

We wish him all the success in his future endeavours.

For Proman Infrastructure Services Pvt Ltd.

Suma K

HR Manager







JAW CRUSHERS SCREENS & FEEDERS



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Screens & Feeders

 Fixed, Skid and Mobile Crushing & Screening Plants for Aggregate. Sand & Mineral Projects



REMCO.

SAND WASHING EQUIPMENT

VERTICAL SHAFT IMPACT CRUSHERS



CERTIFICATE OF INTERNSHIP

This is to certify that Ajay K P whose USN is 1RR18ME001, has completed their Full Stack Web Development Internship organised and handled by Compsoft Technologies Pvt. Ltd from 6th February, 2023 to 9th March, 2023.

The person to whom this certificate is addressed to has worked on a project titled **Template for Hirend- Hire a photographer for special events**. This project was aimed at creating fully-fiedged functional **web template(s)** for a client of ours. As part of the project, they designed functional web pages, used databases to collect, store, and sort data, by understanding the design briefs and client specifications that were provided in the project proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, CLICK HERE

COMPSOFT TECHNOLOGIES PVT. LTD



No **Mazer Ander**road, 1st Block Rajajinagar

Bangalore - 560010

PROJECT MANAGE

0

www.compstechnlogies.com services@compstechnologies.com

This certificate was generated using CERTIEFY COM





This is to certify that

BV NAVTHEJ

bearing number KA/BLR/4001/09-2021/0133 has successfully

completed Course

"CATIA-V5" (32HRS)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

from 20/09/2021 to 14/10/2021

Authorized Signatory:

Authorized Signatory:

Authorized Signatory:

Siemens Industry Software Pvt Ltd Government Tocl Room & Training Centre

0:100.3

DesignTech Systems Limited



INTERNSHIP CERTIFICATE

This certificate is presented to

Amit A

For successful completion of

Robotics

internship From 08-Sept-2022 To 08-Oct-2022 | 4 Weeks



Govt. Tool Room & Training Centre

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Rajajinagar Industrial Estate, Bengahura - 560.010, INDIA

Date: 09-05-2025

Internship Certificate

Certificate of Competency is awarded for successful Completion of Course in <u>UNIGRAPHICS</u> to Mr. <u>FABHISHEK</u> for the period of 03.04.2023 to 28.04.2023 at Govt. Tool Room & Training Centre, Bangalore.

Principal

Principal Govt. Tool Room & Training Cent Rajajinager Industrial Estate. Bangalore- 560 010

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S. M. Kannappa Automobiles (P) Ltd. (Specialists in Super Deluxe Coaches) ISO 9001:2015 CERTIFIED COMPANY CIN : U34100KA1975PTC002833



INTERNSHIP CERTIFICATE

This is to certify that Mr.R.KARTHIKEYAN from Rajarajeswari College of Engineering, Bengaluru, Successfully completed his academic internship of one month.

Internship on: Structural Design.

During his tenure, we found him active and competent in executing all assigned tasks and services were found to be satisfactory.

We wish him great success in all of his future endeavors.

For S.M.Kannappa Automobiles (p) Itd

Blote-27 Authorized Signatory



GOVERNMENT OF INDIA (BHARAT SARKAR) MINISTRY OF RAILWAYS (RAIL MANTRALAYA) North Western Railway, Carriage Workshop, Jodhpur

CERTIFICATE

This is to certify that Mr. Yogendra Singh Tak Student of B.Tech. IV year (Mechanical Engineering) Raja Rajeshwari College of Engineering, Bangalore has undergone Internship at Basic Training Centre. North Western Railway, Carriage Workshop, Jodhpur from 23.08.2022 to 22.09.2022.

The subject of the Internship undertaken by Mr. Yogendra Singh Tak in Mechanical and a copy of the Report is annexed to this Certificate.

His performance and conduct during the training was good we wish him success in life.

Place Jodhpur

Date of issue: - 22.10.2022

22/10/22

(Narayan Lal) Dy CME & Training Manager Carriage Workshop, NWR, Jodhpur

Dy. CME (W/S)

भारत सरकार, रक्षा मंत्रालय रक्षा अनुसंधान तथा विकास संगठन गैस टरवाइन अनुसंधान स्थापन सी.वी.रामन नगर पत्र पेटी सं. 9302, बेंगलूरु - 560093 संदर्भसं. Ref No: GTRE/HRD/028



Government of India, Ministry of Defence Defence Research & Development Organization GAS TURBINE RESEARCH ESTABLISHMENT C.V. Raman Nagar Post Box No. 9302, Bangalore - 560 093 दिनांक Date : 9th Nov 2022



CERTIFICATE

This is to certify that *Ms. Pradyotha Anand* (*Roll No: 1RR19ME016*) studying *B.E (Mechanical Engineering)* from *Rajarajeshwari College of Engineering* has undergone Project titled "*Ovreview on Additive Manufacturing Technology*" in *Mechanical Engineering Research Facility (MERF)* of this Establishment during 25 Aug – 03 Oct 2022 as a part of her B.E Programme.

The performance, conduct and character *Ms. Pradyotha Anand* have been very good to the best of our knowledge during the period of her Project Work.



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शैलजा एस, वैज्ञानिक-एफ Shylaja S, Scientist - 'F' स.नि. (मा.सं.वि.) Group Director (HRD) कृते निदेशक / For DIRECTOR

दूरभाष TELE:080-25040900 फैक्स FAX: 080 2524 1507 ई-मेल email: hrd.gtre@gov.in



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ Govt. Tool Room & Training Centre

Opp. Canara Bank, B.M. Road, Somanahalli, Maddur - 571 429. Tel: 08232-298188 E-mail: gttcmaddur@gmail.com

Our Ref. :

Date: 23-09-2022

CERTIFICATE

This is to Certify that Mr.Poorvik S B Bearing USN :1RR19ME015 of Mechanical Engineering Department, Raja Rajeshwari College of Engineering, Bengaluru undergone an *Internship* at our organization from 25–08–2022 to 23–09–2022 during the course the following areas were covered

- 1. CNC Programming and operation
- 2. Solidworks
- 3. Hydraulics and Pneumatics and
- 4. Automobile welding and Assembly techniques

During the training his performance found to be satisfactory

Course Co-ordinator

Con Baberle .

Dy. Manager Govt. Tool Pourn & Training Centre Opp Caros Bark, 5 V. Soud Semananall Maddan, 571429

Head Office : Rajajinagar Industrial Estate, Bengaluru - 560010, Website : www.karunadu.gov.in/gttc Tel : 23152118 - 9/2315187 / 23152346 Fax : 91-080 23301683 email : gttc@dataone.in A Scientific and Industrial Research Organisation. Recognised By Govt. of India.



RAJAJINAGAR INDUSTRIAL ESTATE BENGALURU - 560 010 INDIA (An Indo Danish Project)

Govt. Tool Room & Training Centre

Certificate of Competency

ST160118442 REGISTER No. :

This is to certify that

SACHIDANANDA D S MR./Ms.

HAS UNDERGONE THE

" CATIA - V5 "

To: 30.09.2022 01 Month 01.09.2022 Course for a period of FROM :

BENGALURU AT GOVT. Tool ROOM & TRAINING CENTRE,

For having completed the course successfully

he/she is awarded with this certificate of competency.

Co-ORDINATOR

GENERAL MANAGER - TRAINING +1-1- Grude le stat

PRINCHPAL

13.10.2022 DATE :

"Scientific & Industrial Research Organisation" Recognised by Govt. of India



No. MMU/Admn/542/2022-23

Date:28-03-2023

TO WHOM SO EVER IT MAY CONCERN

This is to Certify that Mr. Nishanth N (USN:1RR19ME014) Mechanical Engineering Student of Rajarajeswari college of engineering, Kumbalagodu, Bengaluru, has successfully carried out the Internship on "Production and Maintenance" in our Organisation for the period commencing from 05-09-2022 to 30-09-2022.

This Certificate is issued purely for Academic purposes only.

Manager(Admin) Mandya Dist Co-op Milk Union

ಹಾಲಾ ಉತ್ಪನ್ನ ಘಟಕ, ಗೆಜ್ಜಲಗೆರೆ-571 428, ಮಂಡ್ಯ ಜಿಲ್ಲೆ Product Dairy, Gejjalagere - 571 428, Mandya District (KARNATAKA) Ph. No. Off : EPABX : 274571, 274777, 274592 Fax: (08232) 274593 email : manmul@yahoo.co.in, manmul1987@gmail.com



08.03.2023

CERTIFICATE

This is to certify that Mr. Yugal H.(U.S.N :1RR18ME058) from RajaRajeswari College Of Engineering – Bangalore, who is doing B.E – Final year has done an Internship in our organization as a partial fulfilment of his course curriculum during the period from 01st February 2023 to 4th March 2023.

During the period, he has shown keen interest in learning our practices and successfully completed the Internship to our Satisfaction.

WE WISH HIM SUCCESS IN ALL HIS FUTURE ENDEAVOURS.

For Featherlite Office Systems Pvt.Ltd

avitless

Kavitha U HR-Manager

VALUE MS RULE U



08.03.2023

CERTIFICATE

This is to certify that Mr. Naveen Kumar S.K (U.S.N : IRR18ME027) from RajaRajeswari College Of Engineering - Bangalore, who is doing B.E - Final year has done an Internship in our organization as a partial fulfilment of his course curriculum during the period from 01st February 2023 to 4th March 2023.

During the period, he has shown keen interest in learning our practices and successfully completed the Internship to our Satisfaction.

WE WISH HIM SUCCESS IN ALL HIS FUTURE ENDEAVOURS.

For Featherlite Office Systems Pvt.Ltd

Karitle U.

Kavitha U HR-Manager



FEATRERLITE OFFICE SYSTEMS (P) LTD # 83 & BBrt, Bangalore - Mysore Road, Hispets Circle, Ramanagaram Dist. Pin Code - 552 109.

30. 2543/775 F=: 28437771



This is to certify that

MURGESH YM

bearing number KA/BLR/4044/09-2021/0153 has successfully

completed Course

"CATIA-V5" (32HRS)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

from 20/09/2021 to 14/10/2021

Authorized Signatory;

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Authorized Signatory:

Authorized Signatory:

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Siemens Industry Software Pvt Ltd Government Tool Room & Training Centre

DesignTech Systems Limited

SHANTHALA SPHEROCAST PRIVATE LIMITED



UNIT-1: # 36 -B. SHIVAMOGGA - BHADRAVATHI INDUSTRIAL AREA, MACHENAHALLI NIDIGE POST, SHIVAMOGGA -577 222, KARNATAKA, INDIA

Mfrs: Grey Iron, Ductile Iron, Alloy cast Iron

20th November 2023

CERTIFICATE

This is to certify that Ms. KAVANA KS (Reg No. 1RR18ME018) a student of BE (Mechanical Engineering) from **Rajarajeswari College of Engineering**, Bangalore has successfully completed her internship training in our organization from 20.11.2022 to 19.12.2022 on the topic "Production of Iron Castings" at SHANTHALA SPHEROCAST PVT.LTD.

During the period she has taken M/s SSPL interest in the study. We wish all the best for his future endeavor.

For SHANTHALA SPHEROCAST PRIVATE LIMITED



Technical director

No.32A & 32B, Shivamogga-Bhadravathl Industrial Area, Machenahalli, Nidige Post - 577 222, SHIVAMOGGA, KARNATAKA PH : 08182246144 Email : info@shanthalaspherocast.com