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 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	1RR21MC005	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	1RR21MC013	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	1RR21MC015	Deeraj C	Dr. T. Subburaj	BIRD BOOK
15	1RR21MC016	Dhanushree R S	Dr. T. Subburaj	Real Time Passemger 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	1RR21MC021	Harsha M	Dr. T. Subburaj	Efficient Thyroid Disease Prediction Using Features Selection and Meta Classifiers

21	1RR21MC022	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	1RR21MC037	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	1RR21MC043	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	1RR21MC045	Rohith K	Mrs. Priyanka V G	Data Mining Applications to Fault Duagnosis in Power Electronic Systems : A Systematic Review

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Department of Master of Computer Applications

45	1RR21MC046	Shraddha S	Mrs. Priyanka V G	DL Based Human Assault Detector
46	1RR21MC047	Shreya P Hegde	Mrs. Priyanka V G	Blockchain-Based Management for Organ Donation and Transplantation
47	1RR21MC048	Tilak H N	Mrs. Priyanka V G	E-Puncture
48	1RR21MC049	Uday S N	Mrs. Priyanka V G	Detection of Stress in IT Employess 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	1RR21MC052	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

Coordinator

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

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2022-2023

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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.

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Principal
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Bengaluru - 560074

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

CLOUT BUSINESS NETWORK LIMITED.

Dear Sir/Madam,

We are glad to inform you that Mr. A Raj Kumar (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

Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com
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Certificate
OF PUBLICATION

We hereby certify that

A Rajkumar (1RR21MC001)

In recognition of the Publication of the Paper Entitled

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

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

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. Rajkumar
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
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Mrs. Deepa K R

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2022-2023

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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.

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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We hereby certify that

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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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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

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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.

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Name of the Examiners	Signature with Date
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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

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Certificate
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We hereby certify that

Anusha S (1RR21MC005)

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

Dr. N. Ayyanathan
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Er. S. Lakshmanan
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

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2022-2023

Department of Master of Computer of Application

PROJECT CERTIFICATE

This is to certify that **Ms.Archana R Mulge** 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.

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Name of the Examiners	**Signature with Date**
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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

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Machine Learning Algorithm Evaluation for Detection of Fake Bank Currency

Published in

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Dr. N. Ayyanathan
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Er. S. Lakshmanan
The Publisher

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

ASHISH KRISHNA P

1RR21MC007

Under the Guidance of

Mrs.Vaibhava Sindhu

ILACS Technologies

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2022-2023

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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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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NFV Based Attack Defence Architecture for SDN Management Layer

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The Publisher

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

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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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

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Facial Detection System Master Strike

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYASHREE V

1RR21MC010

Under the Guidance of

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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"

Regards,

Sainadh Panda

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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)

ABSTRACT

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

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BLITZ TECHNOLOGY

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Dear sir/Madam

This is to certify that Ms. Bhavana G 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

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Identifying Fake Users and Detecting Spammers on Social Networks

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

Millions of people utilise social networking sites across the world. Users interactions with social similar media websites Twitter and Facebook have a huge influence on their everyday lives, with 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, Twitter has emerged to be widely accepted all platforms time, allowing an excessive quantity with 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 been a popular field of study in modern online social Networks (OSNs). In this work, we examine 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

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1RR21MC011

Under the Guidance of

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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,

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ABSTRACT

By sharing protected private Records of health (PHRs) with physicians or institutes engaged in medical research, a growing percentage of patients in the e-healthcare 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

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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.

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Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify **Ms. CHANDANA N L [USN : 1RR21MC013]**, 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

With Regards

Dr. S USHA
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Professor & Head, Computer Science of Engineering
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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.

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1RR21MC013

ABSTRACT

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

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Embedded Software Developer
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Dr. T. Subburaj
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2022-2023

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Mr.Darshan P** bearing **USN:1RR21MC014**, student of 4th semester 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.

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2.....	.....

CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

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

ABSTRACT

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

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2022-2023

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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.

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#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 : 1RR21MC015]** , 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

With Regards

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

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

ABSTRACT

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 bird-watching 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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Dhanush R

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Under the Guidance of

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Department of Master of Computer Applications

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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.

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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

Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com
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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)

ABSTRACT

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

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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.

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2022-2023

Department of Master of Computer of Application

PROJECT CERTIFICATE

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.

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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

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ABSTRACT

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

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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Applying Machine Learning for Identifying Fraud Sites

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

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ABSTRACT

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

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ILACS TECHNOLOGIES

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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Faisal Pasha A (1RR21MC018)

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Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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ABSTRACT

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

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RRCE, Bangaluru-560074

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(An ISO 9001-2008 Certified Institution)

2022-2023

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2022-2023

Department of Master of Computer of Application

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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.

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Dear sir/Madam

This is to certify that Mr. Gagan G R 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

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Certificate

OF PUBLICATION

We hereby certify that

Gagan G R (1RR21MC019)

In recognition of the Publication of the Paper Entitled

Heart Disease Detection with Data Analytics and Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

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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.

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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.

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Thyroid Disease Prediction with Features Selection and Meta-Classifiers

Published in

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Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 Classifier-based 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

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Under the Guidanceof

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WEBBLITZ SOFTWARES

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,

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In recognition of the Publication of the Paper Entitled

Electricity Theft Detection In Smart Grids Based On Deep Neural Networks

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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

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BLITZ TECHNOLOGY

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Dear sir/Madam

This is to certify that Ms. Harshitha H N from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC025) 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

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USN: 1RR21MC023

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Rapid bird species identification using audio signal processing and neural network

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.Pre-processing 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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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

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2022-23

Department of Master Of Computer Application

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Harshitha P V 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

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Certificate

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We hereby certify that

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Plant Disease Detection and Classification Using Machine Learning Algorithms

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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The Publisher

ABSTRACT

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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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

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ILACS TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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This is to certify that the article entitled

SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING

Authored By

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Department of Master of Computer Applications, RajaRajeswari College of Engineering Bangalore

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(Hon.) – Dr. Upen Rabha Hakacham

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 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

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PUBLICATION

The Board of International Journal of Advance Research and Innovative Ideas in Education

is hereby Awarding this Certificate to

JAVEED PASHA

In Recognition of the Publication of the Paper Entitled

DEEP LEARNING AND EMOTION ANALYSIS-BASED CRYPTOCURRENCY FORECASTING

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Editor In Chief

IJARIIE

ABSTRACT

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

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USN: 1RR21MC027

Under the Guidance of

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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Smart Agreculture Food Supply

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 asa 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

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Name of the Examiners	Signature with Date
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2.....	.....

CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Ms. Jyoti A Desai (USN: 1RR21MC028)from "Rajarajeswari college of engineering", **Bangalore,** has successfully completed her project from 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:" Fraud Detection on bank payment using Machine learning"

Regards,

Sainadh Panda

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We hereby certify that

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Fraud detection on bank payments using Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 time-consuming, 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 time-consuming.

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

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Likhitha K B 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

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In recognition of the Publication of the Paper Entitled

Pneumonia Detection Using Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Department of MCA

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2022-2023

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DREAM BUZZ
SOLUTIONS

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr/Ms. MADHUKUMAR A P (Reg No: 1RR21MC031)**, a bonafide student of **RAJARAJESWARI COLLEGE OF ENGINEERING** was appointed as project intern to work on the project entitled as **"A CARDLESS TRANSACTION USING BIOMETRIC TRIATS FOR AUTHENTICATION"** for our organization during **April 1st 2023** to **July 31st 2023**, and has successfully completed the system 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 industrial standards. We wish him/her all success in their future endeavors.

Warm regards,

Suresh M P

Head of the company

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A CARDLESS TRANSACTION USING BIOMETRIC TRAITS FOR AUTHENTICATION

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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2022-2023

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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.

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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

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In recognition of the Publication of the Paper Entitled

Deep Learning Really Create an Impact in Vehicle Traffic Forecasting

Published in

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Dr. N. Ayyanathan
Editor in Chief

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ABSTRACT

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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(An ISO 9001-2008 Certified Institution)

2022-2023

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(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.

For DREAM BUZZ SOLUTIONS
PROPRIETOR

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

DREAM BUZZ
SOLUTIONS

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

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We hereby certify that

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A Responsive web view application for orphanage connecting and adoption

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.

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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

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Project Coordinator
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Bengaluru-560078

Dr. T SUBBURAJ

HOD, Department
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2022-2023

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2022-2023

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PROJECT CERTIFICATE

This is to Certify that **Mr. MANOJ S** bearing **USN:1RR21MC034**, student of 4th semester 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.

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CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

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

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We hereby certify that

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

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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2022-2023

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Dear sir/madam

This is to certify that Ms. Meghana R (USN: 1RR21MC035)from "RAJARAJESWARI COLLEGE OF ENGINEERING", **Bangalore,** has successfully completed her project from April 1 2023 to July 30 2023.

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

Title:" Air Quality Prediction Based On Machine Learning"

Regards,

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Machine Learning for Air Quality Prediction

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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ABSTRACT

Given the rapid industrialization that has occurred in recent years, initiatives to safeguard the environment cannot be successfully ensured. Worryingly serious environmental difficultiesthathave 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,itis crucial to set up and implement the appropriate controls to lessen smog. Thislearning makes wideusageof 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

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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.

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In recognition of the Publication of the Paper Entitled

Medical GPT using Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Under the Guidance of

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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

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MorseSpotranet: A Concordant Synaptic Morse Recognition and Detection Network by Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

NISARGA B

1RR21MC038

Under the Guidance of

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Embedded Software Developer
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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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EXTERNAL VIVA

Name of the Examiners	Signature with Date
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2).....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Nisarga B 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

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RAJARAJESWARI COLLEGE OF ENGINEERING

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

Certificate

OF PUBLICATION

We hereby certify that

Nisarga B (1RR21MC038)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester 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

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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.

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Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify **Ms. NISCHITHA A P [USN : 1RR21MC039]** , 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

With Regards

Dr. S USHA
Dean R&D,
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RAJARAJESWARI COLLEGE OF ENGINEERING

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Certificate
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We hereby certify that

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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

Dr. N. Ayyanathan
Editor in Chief

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The Publisher

ABSTRACT

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. Importantcharacteristic 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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Nischitha M

1RR21MC040

Under the Guidance of

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Ref.No.TSCPL/2023-2024/HRD/INT5261
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

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We hereby certify that

Nishitha M (1RR21MC040)

In recognition of the Publication of the Paper Entitled

A Data Analytics Approach to the Cybercrime Underground Economy

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

PRASAD H R

1RR21MC041

Under the Guidance of

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2022-2023

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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.

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PROJECT CERTIFICATE

This is to certify **Mr. PRASAD H R [USN : 1RR21MC041]** , 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
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Certificate
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We hereby certify that

Prasad H R (1RR21MC041)

In recognition of the Publication of the Paper Entitled

Bug Tracking for Improving Software Reliability Using Django

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Mr. PREMANTH GOWDA T S** bearing USN:**1RR21MCO42,** students of 4th 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.

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
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ILACS TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Certificate

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Parkinson's Disease Detection using Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Pushpalatha G

1RR21MC043

Under the Guidance of

Ms.Kasthuri

TechCiti software Pvt.Ltd

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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 4th 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.

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Name of the Examiners	Signature with Date
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TechCiti Software Consulting Private Limited

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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

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We hereby certify that

Pushpalatha G (IRR21MC043)

In recognition of the Publication of the Paper Entitled

Drug Recommendation System Using Machine Learning

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

RAHUL R BHAT

1RR21MC044

Under the Guidance of

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Department of Master of Computer Applications

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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.

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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,

Raghavendra Guligare

2936, 1st Floor, MKK Road, Near Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010.
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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

Rahul R Bhat (1RR21MC044)

In recognition of the Publication of the Paper Entitled

A Machine Learning Based Classification and Prediction Technique for DDoS Attack

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

Consequently, the exploitation of the gaps in the security of Internet of Things (IoT) devicesthe 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 high-dimensional 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

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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.

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Blitz Technologies
Bengaluru-560078

Head of the Department
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Department of M.C.A.
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Dr. R. Balakrishna
Principal of RRCE
Bengaluru - 560074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERI
Ramohalli Cross, Bengalu

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Mr. Rohith K R 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

BLITZ TECHNOLOGY

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

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

Certificate
OF PUBLICATION

We hereby certify that

Rohith K R (1RR21MC045)

In recognition of the Publication of the Paper Entitled

A Detailed Analysis of Data Mining Procedures for Problem Detection in Energy Red Systems

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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RAJARAJESWARI COLLEGE OF ENGINEERING

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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

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RRCE,Bengaluru-560074

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Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

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
Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify **Ms. SHRADDHA S [USN : 1RR21MC046]** , 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

With Regards

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

Professor & Head, Computer Science of Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
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Mysore Road, Bangalore - 560074

Certificate
OF PUBLICATION

We hereby certify that

Shraddha S (1RR21MC046)

In recognition of the Publication of the Paper Entitled

DL Based Human Assault Detector

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester 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
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(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
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Ramohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1).....	.....
2).....	.....

ILACS TECHNOLOGIES

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,

(Mohammed Ilyas)

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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RAJARAJESWARI COLLEGE OF ENGINEERING

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

Certificate
OF PUBLICATION

We hereby certify that

Shreya Prakash Hegde (1RR21MC047)

In recognition of the Publication of the Paper Entitled

Management of Organ Donation and Transplantation using Block Chain

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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
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Principal
Dr R. Balakrishna
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Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

RajaRajeswari College of Engineering
(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliate to Visvesvaraya Technological University, Belagavi)
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 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.

With Regards

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

Professor & Head, Computer Science of Engineering
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Mysore Road, Bangalore - 560074

Certificate

OF PUBLICATION

We hereby certify that

Tilak H N (1RR21MC048)

In recognition of the Publication of the Paper Entitled

E - Puncture

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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.

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RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners	**Signature with date**
1.....	.....
2.....	.....

WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr Uday S N (USN: 1RR21MC049) 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 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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#14, Ramohalli Cross, Kumbalgodu
Mysore Road, Bangalore - 560074

Certificate
OF PUBLICATION

We hereby certify that

Uday S N (RR21MC049)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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PRIYANKA V GUDADA

Assistant Professor

Department of MCA

Rajarajeswari College of Engineering, Bangalore

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2022-2023

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2022-2023

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.

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Head of the Department
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H.O.D.
Department of M.C.A.
Rajarajeshwari College of Engineering
Bangalore-560074

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

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	Principal RAJARAJESWARI College of ENGINEERING Ramohalli Cross, Bengaluru-74
2.....	.....

ILACS
TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(project Manager)

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

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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

Varun R (1RR21MC060)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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
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2022-2023

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(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.

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Bangalore-560010

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

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Mr. Vidyasagar 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

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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Certificate

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We hereby certify that

Vidyasagar (1RR21MC051)

In recognition of the Publication of the Paper Entitled

Utilisation of Split Control Access when using the cloud

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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
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2022-2023

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#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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Principal of RRCE
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EXTERNAL VIVA

Name of the Examiner	Signature with date
1.....	.....
2.....	.....

ILACS TECHNOLOGIES

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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Certificate
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We hereby certify that

Yashaswini K S (1RR21MC053)

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

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
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DR. T. SUBBURAJ
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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.

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15/7/23

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

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.

With Regards

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

Professor & Head, Computer Science of Engineering
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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu
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Certificate

OF PUBLICATION

We hereby certify that

Yathishwar B (1RRJ1MC054)

In recognition of the Publication of the Paper Entitled

Hospital and Doctor Recommendation with Disease Prediction Using Machine Learning

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
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Dr. T. SUBBURAJ
HOD, Department of MCA
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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 to Certify that **Mr.Yogeesh D R** bearing **USN:1RR21MC055**, student of 4th semester 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.

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EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu
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Certificate
OF PUBLICATION

We hereby certify that

Yogeesh D R (1RR21MC055)

In recognition of the Publication of the Paper Entitled

Online Bullying Detection using Machine Learning and Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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
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2022-2023

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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.

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Mr. Shreedhar Maruti Kumbhar
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Project Manager
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Head of the Department
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Principal
Dr. R. Balakrishna
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Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with date
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.
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Certificate
OF PUBLICATION

We hereby certify that

Miss Varshini. S

In recognition of the Publication of the Paper Entitled

Dual - Server Public - Key Authenticated Encryption with Keyword Search

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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

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RRCE, Bengaluru-560078

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 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.

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Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

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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

Vinay G B (1RR21MC060)

In recognition of the Publication of the Paper Entitled

Controlling Access with Multi-Authority & Identification for Individual Personal Medical Records

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

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

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

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

Department of Computer Science & Engineering

Project Batch List

Subject Name: Project Work Phase – 1 (18CSP83)

Batch No	USN	NAME	Guide Name	Title of the Project
1	1RR19CS062	Keerthana R	Dr Selvi	Malware detection and remedies using ML model
	1RR19CS075	Madhushalini M		
2	1RR19CS094	Nandish K	Dr Balakrishna	Air pollution Prediction using Machine Learning
	1RR19CS104	Prajwal R		
	1RR19CS109	Pruthvi Raj		
	1RR19CS111	Putha Sri Hari Reddy		
3	1RR19CS005	Adarsh Murthy T M	Mr Shasidhar	An efficient Virtual dressing room for augmentation reality
	1RR19CS009	Ajay M S		
	1RR19CS039	Goutham M		
	1RR19CS040	Govardhan G P		
4	1RR19CS016	Anusha V	Mr Saravana Perumal	Advanced shopping trolly with automatic billing
	1RR19CS034	Gadappara Kokila		
	1RR19CS014	Anusha B		
	1RR19CS061	Keerthana		
5	1RR19CS019	Avinaasi Lj	Mrs Sriraksha	Enhanced Least significant Replacement algothimn in Apatial Domain of Stegnography
	1RR19CS025	Chaitanya Mahaprabhu Sm		
	1RR19CS017	Arshiya Nazneen		
	1RR19CS033	Farheen Taj		
6	1RR19CS060	Keerthan R	Mr Raj Kumar	Human facial activity recognition
	1RR19CS049	Hrithik K A		
	1RR19CS064	Kesari Nandan		
	1RR19CS054	K Shivukumar		
7	1RR19CS056	K Yashwanth Chowdary	Mrs Deepa	Facial emotion recognition with CNN
	1RR19CS018	Augustin Avinash I		
	1RR19CS022	Bangaru Aditya		
	1RR19CS078	Mareddy Christofar		
8	1RR19CS164	Tejas V	Mr Austin Jose	Earthquake Location and Magnitude Estimation with Graph Neural Networks
	1RR19CS167	Varsha P		
	1RR19CS169	Vasantha D V		
	1RR19CS170	Vijeth S Gowda		
9	1RR19CS138	Shireesha Y A	Dr Kamal Raj	Brain tumor segmentation using CNN algorithms and image processing
	1RR19CS148	Sindhu Shree.V		
	1RR19CS161	Sushmitha.M		
	1RR19CS168	Varshitha . H		
10	1RR19CS026	Chaithanya.M	Dr Usha S	Smart home automation, security and energy optimization
	1RR19CS053	Jesica Gv		
	1RR19CS072	Lavanya N Murthy		
11	1RR19CS162	Syed Mansoor	Dr Usha S	House Price Prediction using AIML/ Deep learning
	1RR19CS182	Zahid Hussain Lone		
	1RR19CS008	Afroz Alam		
12	1RR19CS180	Yashwanth M	Mr. Sunil	Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms
	1RR19CS163	Karthik T		
	1RR19CS057	Karthik E		
	1RR19CS051	Jahnavi H P		

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13	1RR19CS129	Samyuktha S	Ms Manasa GV Kumar/	An approach towards building an IoT based smart class room
	1RR19CS149	Sneha Aparna		
	1RR19CS160	Suryakanth Mastappa Naik		
14	1RR19CS103	Pragathi K	Mr. Sunil	Neural Network - Based Brain Hemorrhage classification using Head CT Scan
	1RR19CS100	Parameshwari M		
	1RR19CS002	Abhishek K		
	1RR19CS031	Devaraja		
15	1RR19CS013	Anuj Raj	Dr Porkodi	Improving Learning experience of a student by pretecting early experience using artificial Intelligence and machine learning
	1RR19CS123	Sagar R		
	1RR19CS140	Shree Krishna		
	1RR19CS174	Vishal L		
16	1RR19CS122	Sagar K	Mr. Sunil	CliniVault-Text detection from medical records using Machine learning
	1RR19CS134	Shankarling Kalashetty		
	1RR19CS132	Santosh K		
17	1RR19CS030	Deekshitha U M	Dr Kirubha	IoT in Indian Agriculture using wireless Sensor Networks
	1RR19CS041	Gunasree N A		
	1RR19CS046	Harshitha V		
	1RR19CS043	Harshitha Murty K		
18	1RR19CS092	Nagaprasad K R	Dr Selvi	Activating Self driving based on the driver behaviour
	1RR19CS114	Rahul Rai K J		
	1RR19CS115	Rakesh P M		
	1RR19CS087	Mohammed Zubair		
19	1RR19CS003	Abhishek Pandey	Mrs Jeni	Artificial Face Generator using DCGAN
	1RR19CS037	Gaurav Kumar Bhatt		
	1RR19CS084	Mohammad Saqib Shah		
20	1RR19CS071	Lakshmidevi Ng	Mr Shasidhar	Online smart voting system using biometrics based facial and fingerprint detection on image processing and CNN
	1RR19CS098	P.Harshitha		
	1RR19CS117	Rashmi BM		
	1RR19CS120	Ruchitha V		
21	1RR19CS133	Shafiya Ashuma A	Mr Saravana Perumal	Tracking & Monitoring of agricultural food supply during transporation using IoT
	1RR19CS157	Sumaiya Nadeem		
	1RR18CS136	Smarthi B		
	1RR19CS178	Yashaswini C E		
22	1RR18CS099	Prajwal M	Mr Raj kumar	Sign language Recognition using CNN
	1RR19CS116	Rakshith Kumar D		
	1RR19CS119	Rohith S		
	1RR19CS088	Mohan N		
23	1RR19CS142	Shridev Udupa E S	Dr Balakrishna	Methods to detect fake accounts on social network
	1RR19CS173	Vinushreee K		
	1RR19CS141	Shreyanka Jt		
	1RR19CS151	Someshwar S		
24	1RR19CS068	Kumar C	Mr Austin Jose	Cross Age Validation Analysis using Face Verification
	1RR19CS070	Lakith Kumar Gk		
	1RR19CS074	Madan Kumar D N		
	1RR19CS076	Manoj Sj		
25	1RR19CS004	Adarsh Kumar	Dr Kamal Raj	Supervised Relational Extraction
	1RR19CS015	Anusha.J		
	1RR19CS105	Prathiksha V		
	1RR19CS154	Srigowri N		

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26	[illegible]	[illegible]	Dr Kamal Raj	[illegible]
	[illegible]	[illegible]		
	[illegible]	Mohammad Rashan Alam		
	[illegible]	[illegible]		
27	[illegible]	[illegible]	Dr Kavitha	Object detection algorithm for segregating similar coloured objects
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
28	[illegible]	[illegible]	Mrs Hemavathy	Fast and Lightweight Human Pose Estimation
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
29	[illegible]	[illegible]	Mrs Megha L	Lane Detection and self driving allications for ADAS
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
30	[illegible]	[illegible]	Dr Kavitha	Fire and gun violence based anomaly detection system using deep neural networks
	[illegible]	[illegible]		
	[illegible]	[illegible]		
31	[illegible]	[illegible]	Dr Kamal Raj	ANANYA KRISHI
	[illegible]	[illegible]		
	[illegible]	[illegible]		
32	[illegible]	[illegible]	Ms Manasa GV Kumar/	A student attendance management with crowd in classroom based on IoTdomain
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
33	[illegible]	[illegible]	Dr Selvi	Blockchain Based Architecture and Solution for Secure Digital Payment System
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
34	[illegible]	[illegible]	Dr Vijayanand/ Ms Manasa GV Kumar	Nauri Surakshati -Safety solution for women using smart band & app
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
35	[illegible]	[illegible]	Mr Saravana Perumal	Vehicle tracking system based on IoT
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
36	[illegible]	[illegible]	Mr Austin Jose	Face Recognition attendance system
	[illegible]	[illegible]		
37	[illegible]	[illegible]	Mr Shasidhar	Prediction of traffic signal violation from video using Artificial intelligence techniques
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		
38	[illegible]	[illegible]	Dr Jeyabalan / Mrs Deepa	On- Biometric information stored in biometric face embeddings
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	[illegible]	[illegible]		

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39	1RR19CS023	Bhoomika Ok	Dr Usha S	Environmental monitoring using Wireless Development Module with LoRaWAN
	1RR19CS028	Chandana R		
	1RR18CS026	Bharathi R		
40	1RR19CS130	Sanskar Deidia	Dr Kamal Raj	Smart Bandage using NFC enabled RFID Tag
	1RR19CS137	Shibin C Roy		
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41	1RR19CS083	Mitali Sharma	Mrs Jini	A Deep learning enabled Grape Fruit disease detection and monitoring system
	1RR19CS091	Mukitha S		
	1RR18CS073	Manoj Gowda Uk		
	1RR18CS076	Mohammed Sayeed S		
42	1RR19CS045	Harshitha Jayashree R	Mrs Hemavathy	Development and Analysis of Pothole detection and Alert based on NodeMCU
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43	1RR19CS006	Adithya J	Mrs Supraja	AuthPrivacyChain: BlockChain based Access Control Framework With Privacy Protection in Cloud
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	1RR19CS042	H Swetha Deshmukh		
45	1RR19CS011	Akshay G S	Ms Manasa GV Kumar	A Blockchain-based Decentralized Framework for Fair Data Processing
	1RR19CS001	Aakashadhithya D K		
	1RR19CS007	Aditya Kumar		
	1RR19CS044	Harshitha D		
46	1RR19CS096	Neha R Sindhe	Dr Kiruthika	Trust but verify " A framework for the trustworthiness of distributed system using Interceptor"
	1RR19CS101	Pooja S		
	1RR18CS070	Manisha K M		
47	1RR19CS128	Samyuktha R	Dr Vijaynand/ Mrs Megha L	Crop prediction and yield based on environmental factors
	1RR19CS150	Sneha N V		
	1RR19CS175	Vishwas K		
48	1RR20CS403	Prathibha M	Dr Balakrishna	Forest Fire and Wild Animal Detection System
	1RR20CS405	Sapthami Sn		
	1RR20CS400	Devika Hn		
	1RR20CS402	Nikitha Gj		
49	1RR19CS127	Sai Pavan B N	Mrs Rashmi	Detecting Phising Websites using Machine Learning
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	1RR19CS181	Yella Lalith Sai		
	1RR19CS135	Shashwath S Kharvi		
50	1RR19CS059	Keerthan Gowda Hk	Mr Raj Kumar	Self wound analysis using Artificial Intelligence and Image Processing
	1RR18CS016	Amogha La		
	1RR20CS401	Dhanush K R		
51	1RR19CS124	Sahana B M	Ms Manasa GV Kumar	Deep Neural network Model for automatic disease detection in Citrus fruit and leaves
	1RR19CS126	Sahanashree		
	1RR20CS407	Yogitha		
	1RR19CS166	Vaidehi A		
52	1RR19CS156	Suhas Chandran R	Dr Kamal Raj	Self balancing , Auto-Pilot and Two- wheeler analyzer
	1RR19CS136	Shreebalakshmi S		
	1RR19EE006	Karthikeyan R		
53	1RR19CS082	Meghana. S	Dr Balakrishna	IoT health Monitoring System
	1RR19CS079	Masood Manzoor Ahmed		

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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 (1RR19CS052)

SOWMYA M N (1RR19CS152)

Under the guidance of:

Dr. Kamal Raj T

Assoc. Professor
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(2022-2023)

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD, BENGALURU-560074

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

certified that project work entitled

"ANANYA KRUSHI"

Carried out by

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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	**Signature of HOD**	**Signature of Principal**
Dr. Kamal Raj T	**Dr. S Usha**	**Dr. R Balakrishna**
Assoc. Professor,	Prof. &HOD,	Prof. & Principal
Dept. of CSE	Dept. of CSE	Dept. of CSE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
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Examiners:

1. Dr M. Selvi

2. Dr Gowramma CS

Signature

15/5/2023

Gowramma
22/05/23

ABSTRACT

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
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(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"ENVIRONMENTAL MONITORING USING WIRELESS DEVELOPMENT MODULE WITH LoRaWAN"

Carried out by

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

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

Principal
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External Viva-Voice

Examiners:

1. Dr. M. Selvi
2. Dr Gowramma G J

Signature

Gowramma
22/6/23

ABSTRACT

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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi- 590018

A PROJECT REPORT ON

"Deep Neural Network Model For Automatic Disease Detection In Citrus Fruit And Leaves"

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

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE & ENGINEERING

Submitted by

SAHANA B M (1RR19CS124)
SAHANASHREE (1RR19CS126)
VAIDHEHI A (1RR19CS166)
YOGITHA (1RR20CS407)

Under the guidance of:

Ms. Manasa G V Kumar

Asst. Professor
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(An ISO 9001:2008 Certified Institute)

(2022-2023)

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"Jnana Sangama", Belagavi- 590018

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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 (1RR19CS124)
SAHANASHREE (1RR19CS126)
VAIDHEHI A (1RR19CS166)
YOGITHA (1RR20CS407)

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.

Manasa		
Signature of guide	**Signature of HOD**	**Signature of Principal**
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1. Dr. M. Sekar	22/5/2023
2. Dr Gowramma GS	22/5/23

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi - 590018

A PROJECT REPORT ON

"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)

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"EYERIS: AN AID FOR BLIND ASSISTANCE"

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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.

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Signature of guide	**Signature of HOD**	**Signature of Principal**
DR. KAMAL RAJ	**Dr. S USHA**	**DR.BALA KRISHANA**
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ABSTRACT

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.

ACKNOWLEDGEMENT

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.

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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 (1RR19CS093)

NAYANA B C (1RR19CS095)

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PRIYANKA H K (1RR19CS108)

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"Fast and Lightweight Human Pose Estimation"

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Signature of the Guide	**Signature of HOD**	**Signature of Principal**
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1. Dr. M. SELVI — 22/5/2023
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ABSTRACT

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.

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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.I 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.

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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)

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Under the Guidance of

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"CLINIVAULT: ELECTRONIC MEDICAL REPOSITORY"

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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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

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"Fake Account Detection on Twitter Using Machine Learning"

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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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

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DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING

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"LANE DETECTION AND SELF DRIVING APPLICATIONS FOR ADAS"

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2. Dr Gowramma GS

M.W 22/5/2023

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ABSTRACT

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)
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"Object Detection and Segregation Using R-CNN"

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MD SAIF (1RR19CS080)
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1. Dr. M. Selvi — M. Selvi 22/5/2023
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ACKNOWLEDGEMENT

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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.

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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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

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Submitted By

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CERTIFICATE

Certified that project work entitled

"DEVELOPMENT AND ANALYSIS OF POTHOLE DETECTION AND ALERT BASED ON NODEMCU"

Carried out by

GANAVI C V (1RR19CS035)
HARSHITHA JAYASREE R (1RR19CS045)
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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.

16/5/23	10/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
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Examiners: ***Signature***

1. Dr. M. Selvi — M.V 22/5/2023
2. Dr Gowramma G J — Gowramma 22/5/23

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.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that project work entitled

"GRAPE LEAF DISEASE DETECTION AND CLASSIFICATION USING MACHINE LEARNING"

Carried out by

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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 (1RR19CS091)

MITALI SHARMA (1RR19CS083)

MANOJ GOWDA U K(1RR18CS073)

MOHAMMED SAYED S (1RR18CS076)

Under the Guidance of

Mrs.M.JENIGA GEMSY THEPORA

Assistant Professor

Dept. of CSE, RRCE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERIN

RAJARAJESWARI COLLEGE OF ENGINEERI

MYSORE ROAD, BANGALORE-560074

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belagavi-590018, Karnataka, India

A PROJECT REPORT

ON

"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

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(2022-2023)

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(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	**Signature of HOD**	**Signature of Principal**
[Mr. SHASHIDHAR V]	**[Dr. USHA SAKTHIVEL]**	**[Dr. R.BALAKRISHNA]**
Asst. Prof., Dept. of CSE	Prof. & HOD, Dept. of CSE	RRCE, Bengaluru.
RRCE, Bengaluru.	RRCE, Bengaluru.	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

1. S. Usha

2. Shankara Gowda .S.R

Signature

19/5/23

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 (1RR19CS133)

SUMAIYA NADEEM (1RR19CS157)

YASHASWINI C E (1RR19CS178)

SMARTHI B (1RR18CS136)

Under the Guidance of

Mr. VM. SARAVANAPERUMAL

Associate Professor

Dept of CSE, RRCE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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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 (1RR19CS133)

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YASHASWINI C E (1RR19CS178)

SMARTHI B (1RR18CS136)

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Signature of guide	**Signature of HOD**	**Signature of Principal**
Mr. VM. SaravanaPerumal	**Dr. Usha S**	**Dr. R. Balakrishna**
Associate Professor	HOD & Dean Research	Prof. & Principal
Dept. of CSE	Dept. of CSE	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:	*Signature*
1. Pinjeet Kumar	19/5/23
2.	19/5/23

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

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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	**Signature of HOD**	**Signature of Principal**
[Dr. D Kirubha] Associate Professor Dept of CSE RRCE, Bengaluru	**[Dr. Usha Sakthivel]** Prof. &HOD Dept of CSE RRCE, Bengaluru	**[Dr. R Balakrishna]** Prof. & Principal RRCE, Bengaluru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners:

1. Dr. M. Selvi
2. Dr Gowramma G J

Signature

22/5/2023.

22/5/23

RajaRajeswari College of Engineering

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Department of Electronics and Communication Engineering

Project Batch List Academic Year 2022-23

Title of the Projects

	SEC A				
Sl. No	Name of the Batch	USN	Students Name (Batch wise)	Name of the Guide	Title of the Project
1.	A1	1RR19EC030	Loknath.N	Dr. Rangaiah L	IoT based Integrated Health care monitoring system on cloud Computing
2.		1RR19EC020	Gowtham DM		
3.		1RR19EC039	Muneeb Gull		
4.		1RR19EC045	Nitish Yumnam		
5.	A2	1RR19EC002	Ajay A M	Dr.A. Muruganandham	Control of Long Range Quadcopter Using Node MCU
6.		1RR19EC004	Akanksh Shetty		
7.		1RR19EC010	Chandan J		
8.		1RR19EC008	Basavaraju M		
9.	A3	1RR18EC126	Vivek M R	Dr. Vijaya S M	Robot for the traetment of Communicable Diseased patients
10.		1RR19EC014	Dharush D		
11.		1RR19EC017	Gagan SJ		
12.		1RR19EC023	Hollen Loukham		
13.	A4	1RR19EC041	Nayana S R	Dr. Sunitha R	Recognization ofADHD
14.		1RR19EC038	Monika M K		
15.		1RR19EC083	Supritha S		
16.		1RR19EC086	Sushma G S		
17.	A5	1RR19EC034	Manoj Kumar S	Dr. Sumitha Manoj	Smart stairlift for disable/elderly people using Node MCU
18.		1RR19EC035	Manoj M R		
19.		1RR19EC049	Pavan M		
20.		1RR19EC057	Prashanth R S		
21.	A6	1RR19EC027	Kavya C	Dr D. Sobya	
22.		1RR19EC029	Kushala VK		
23.		1RR19EC047	PV Sailakshmi		
24.		1RR19EC048	Padmitha S		

25.	A7	1RR19EC021	Gowthami R	Prof. Lokesha .k	LoRa Network based Wireless communication and Monitoring using IOT
26.		1RR19EC001	Ajantha K		
27.		1RR19EC005	Akshatha B		
28.	A8	1RR19EC026	Kaliprasad M	Prof. Sreepathi V	position detection for wireless charging of electric vehicles
29.		1RR19EC025	Jaswanthgowda A C		
30.		1RR19EC032	Manjunath uppar		
31.		1RR19EC033	Manoj D		
32.	A9	1RR17EC050	Harshitha B L	Dr Vijya	Heptocellular Carcinoma detection using Deeplearning framework
33.		1RR19EC022	Harshitha B		
34.		1RR18EC091	Sanjana N		
35.	A10	1RR18EC085	Ritesh L	Prof. Santosh Chavan	RecogniBone cancer detection Using DNN
36.		1RR18EC117	Ullas A		
37.		1RR18EC112	Tejas N		
38.		1RR19EC059	Punith B		
39.	A11	1RR19EC016	Divya R Prabhu	Prof Ajay	Aquafriend : Smart aquacuture Monitoring system
40.		1RR19EC007	Apsana A Nadaf		
41.		1RR19EC009	Chaithra A		
42.		1RR19EC012	Chethan A K		
43.	A12	1RR19EC042	Nithish Kumar	Prof. Chaithanya S	Energy efficient Memory Desig with DNA Encription
44.		1RR19EC044	Nithya S Prasad		
45.		1RR19EC043	Nithya rani N		
46.		1RR19EC040	Pavankalyan		
47.	A13	1RR19EC028	Keerthi B N	Prof. Vani S Badiger	Equipment condition Monitoring System based on IoT
48.		1RR19EC036	Megha H V		
49.	A14	1RR19EC031	Manasa B G	Prof. Haritha K S	An AI-IoT Automobile robo Implementation for Disaster Management
50.		1RR19EC015	Dimple Y		
51.		1RR19EC097	Varshitha DC		
52.	A15	1RR19EC018	Gaurav M Pawar	Prof. J Deepika	Optical based Non-invasive Glocometer monitoring Using IOT
53.		1RR19EC019	Govardhan		
54.		1RR19EC003	Ajay Kumar K		
55.	A16	1RR19EC011	Chandana G R	Prof.M Suresh	Accident Identification and Alerting Project
56.		1RR19EC013	Vamshi		
57.		1RR19EC051	Harika		
58.		1RR19EC024	Inchara L		
59.	A17	1RR18EC003	Abhishek AP	Dr.A. Muruganandham	COVID detection From Chest X-Ray Using CNN Algorithm
60.		1RR18EC006	Prajwal M S		
61.		1RR18EC071	Pratheek J		

18ECP78 -PROJECT WORK
Academic Year 2022-2023
B Section Project Titles

Batch No.	USN	Name Of The Students	Guide Name	Title of the Project
B1	1RR19EC077	Sneha G	Dr. Rangaiah L	Automatic milk quality analyzing with billing system
	1RR19EC079	Sonali S		
	1RR19EC095	Varnitha M Shet		
	1RR19EC082	Sukruthi R Gowda		
B2	1RR19EC100	Vinay HR	Dr. Muruganandham A	Outlier detection for different applications
	1RR19EC006	Amaresh Sarawad		
	1RR19EC085	Surya D		
B3	1RR19EC088	SWETHA S	Dr. Vijaya S M	Implementation AES 256 on FPGA
	1RR19EC090	TEJAS I TELKAR		
	1RR19EC091	THAKSHITH B K		
	1RR19EC093	TRIKALESHWAR S		
B4	1RR19EC103	Yashas J	Dr. Sunitha R	Ayurvedic flora detection
	1RR19EC098	C varun		
	1RR19EC094	Tushar khatawakar N		
	1RR19EC056	Prajwal Prasad R		
B5	1RR19EC058	Prathyusha H Kumar	Dr. Sumitha Manoj	Power Generation through Human locomotion using piezoelectric sensors
	1RR19EC069	Sanjana H		
	1RR19EC072	Sherlin Jagath J		
B6	1RR19EC053	Poorva Pai	Dr. D Sobya	EV Charging using solar energy
	1RR19EC065	Roopa .R		
	1RR19EC078	Sneha.G		
B7	1RR19EC064	RITHIN D	Prof. V Sripathi	Stock Pile Trackoff Approach
	1RR19EC066	SADHANA R		
	1RR19EC076	SHWETHA		
	1RR19EC084	SURIYAPRABHA.S		

B8	1RR19EC062	Ranjitha L P	Prof. Lokesha K	Smart water bottle
	1RR19EC063	Rashmishree N		
	1RR19EC075	Shrusti Navalagi		
	1RR19EC073	Shivakumar H M		
B9	1RR19EC061	Rahul M R	Prof. Vani S Badiger	Forest fire detection using solar powered wireless sensors and LORA technology
	1RR19EC081	Sujay GS		
	1RR20EC400	madesh.N		
B10	1RR19EC067	SAMEER KULKARNI	Prof. Santhosh Chavan	Autonomous car
	1RR19EC074	SHREYANK. H		
	1RR19EC055	PRAJWAL. G		
	1RR19EC054	PRAJWAL B R		
B11	1RR19EC037	Meghana N	Prof .Chaitanya S	Implementation of ChaCha stream cipher Cryptographic Authentication
	1RR19EC046	Nuthana GN		
	1RR19EC050	Pavithra P		
	1RR19EC052	Pooja R		
B12	1RR19EC080	Spandana c s	Prof.Ajay M	Aurtomotive Surviel
	1RR19EC087	Swathi j		
	1RR19EC089	syed Avez Hussain		
	1RR19EC092	Tousif Ali Muzawar		
B13	1RR19EC070	Sanjay G S	Prof. Haritha K S	Real time motion detection using deep learning.
	1RR19EC071	Santhosh Gowda K R		
	1RR19EC060	purimelta jagadeesh		
	1RR19EC102	vishwas B		
B14	1RR19EC096	VARSHITH RAJ C R	Prof. M Suresh	Intracranial Hemorrhage detection using deep learning
	1RR19EC99	VARUN RAJ C R		
	1RR19EC101	VISHWANATH BS		
	1RR19EC104	YATHEESH RB		

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018

Phase 2 Project Report on

"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

Submitted by

RAHUL M R (1RR19EC061)

SUJAY G S (1RR19EC081)

MADESH N (1RR20EC400)

Under the guidance of

MRS. VANI S BADIGER
Assistant Professor dept of ECE

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018

Phase 2 Project Report on

"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

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IN
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Submitted by

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MADESH N (1RR20EC400)

Under the guidance of

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Assistant Professor dept of ECE

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

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 (1RR19EC061), SUJAY G S (1RR19EC081), MADESH N (1RR20EC400)** 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 satisfiesthe academic requirements.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Mrs. Vani S Badiger	**Dr.L. Rangaiah**	**Dr. R. Balakrishna**
	18/5/23	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

Name of the Examiners: **Signature with date:**

1. Dr Rangaiah L — 25/5/23
2. Dr Shreedhar Kabbur — 25/5/23

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 ENGINEERING

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

DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

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2022-2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JnanaSangama, Belagavi – 590018

A Project Report on

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

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IN

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Submitted by

SUKRUTHI R GOWDA	**(1RR19EC082)**
SONALI CHAVAN S	**(1RR19EC079)**
VARNITHA M SHET	**(1RR19EC095)**
SNEHA G	**(1RR19EC077)**

Under the guidance of

Dr. L. RANGAIAH

Professor and Head

Department of ECE

DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

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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(1RR19EC082), SONALI CHAVAN S(1RR19EC079), 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	Signature of the HOD	Signature of the Principal
Dr. L. Rangaiah	**Dr. L. Rangaiah**	**Dr. Balakrishna R**

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bangalore-74

Name of the Examiners:

1. Dr Rangaiah L
2. Dr. Shaila K

Signature with date:

23/05/2023

23/05/2023

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	**(1RR19EC037)**
NUTHANA G N	**(1RR19EC046)**
PAVITHRA P	**(1RR19EC050)**
POOJA R	**(1RR19EC052)**

Under the guidance of

Prof.CHAITHANYA S
Assistant Professor
Department 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

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

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NUTHANA G N	(1RR19EC046)
PAVITHRA P	(1RR19EC050)
POOJA R	(1RR19EC052)

Under the guidance of

Prof.CHAITHANYA S
Assistant Professor
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DEPT. ELECTRONICS & COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74 2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

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#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

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 (1RR19EC037), NUTHANA G N (1RR19EC046), PAVITHRA P (RR19EC050), POOJA R (1RR19EC052)** 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. Chaithanya 5/5/23

Signature of the Guide

Prof. Chaithanya S

Signature of the HOD 5/5/23

Dr. L. Rangaiah

Signature of the Principal

Dr. R Balakrishna

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. Dr. Shreedhar Kabbur
2. Dr. A. Murugeswari

Signature with date:

24/5/2023

7. Murugeswari 5/5/23

DECLARATION

We, MEGHANA N (1RR19EC037), NUTHANA G N (1RR19EC046), PAVITHRA P (RR19EC050), POOJA R (1RR19EC052) students of 8th 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	**(1RR19EC037)**	Meghana
NUTHANA G N	**(1RR19EC046)**	Nuthana GN.
PAVITHRA P	**(1RR19EC050)**	Pav.
POOJA R	**(1RR19EC052)**	Pooja

DATE: 24/05/2023
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	(1RR19EC064)
SADHANA R	(1RR19EC066)
SHWETHA	(1RR19EC076)
SURIYA PRABHA 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

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 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	Signature of the HOD	Signature of the Principal
Mr. V Sreepathi	**Dr. L. Rangaiah**	**Dr. Balakrishna R**

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners: **Signature with date:**

1. Dr. Shreedhar Kabbur 24/5/23
2. Dr. A. Murugeswari 24/5/23

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	(1RR19EC087)
SPANDANA C S	(1RR19EC080)
SYED AVEZ HUSSAIN	(1RR19EC089)
TOUSIF ALI MUZAWAR	(1RR19EC092)

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

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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 (1RR19EC080), SPANDANA C S (1RR19EC080), SYED AVEZ HUSSAIN (1RR19EC089), TOUSIF ALI MUZAWAR (1RR19EC092) 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	Signature of the HOD	Signature of the Principal
Ajay M	Dr. L. Rangaiah	Dr. R. Balakrishna
		Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Name of the Examiners:
1. Dr. Shridhar Kubbur
2. Dr. Rangaiah L

Signature with date:
25/5/2023
25/5/23

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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 Mechanical Engineering

Ref: RRCE/ME/AY:2022-23/ST/8th sem/No.7

Date: 15/02/2023

EIGHTH Semester PHASE-II Project Details

SL. NO.	Batch No.	USN	Student Name	Guide Name	Project Title	Guide signature
1	B1	1RR19ME007	KIRAN B H	Dr. Ramesh C	DEVELOPMENT OF MULTI-FUNCTIONAL HEXACOPTER DRONE	
2		1RR19ME018	SAAICHARAN V			
3		1RR19ME012	NAVEEN KUMAR R			
4		1RR17ME115	SURYA R			
5	B2	1RR19ME003	DARSHAN RATHOD B U	Dr.Vishwanath K.C	DESIGN AND FABRICATION OF TWO AXIS PNEUMATIC MODERN TILTING TRAIKER	
6		1RR19ME020	SANDEEP V S			
7		1RR19ME021	SARATH KUMAR V			
8		1RR19ME023	VISHNU S R			
9	B3	1RR18ME020	KISHAN S	Dr. N Sreenivasalu Reddy	MAXIMISED PRODUCTION OF HOT WATER USING A NOVEL ABSORBER TUBES OF A FLAT COLLECTOR	
10		1RR19ME002	ARPAN KARMAKAR T			
11		1RR19ME010	MOHIN KHAN			
12		1RR19ME022	VAISHNAVI NAGUR			
13	B4	1RR19ME001	ABIN T	Dr.Satheesha V	THE DESIGN AND DEVELOPMENT OF ORIGAMI INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF	
14		1RR19ME005	HARIKRISHNA NAYAK			
15		1RR19ME017	RAHUL S			
16		1RR18ME053	SIDDARTH S			

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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 Mechanical Engineering

17	B5	1RR18ME001	AJAY K P	Prof. B.S Dhananjay	ENHANCEMENT OF HEAT TRANSFER USING WAVY SHAPED RECEIVER TUBE OF PARABOLIC TROUGH COLLECTOR	
18		1RR18ME017	KAUTUK GAONKAR			
19		1RR19ME013	NAVTHEJ B V			
20		1RR18ME013	DHARSHAN V			
21	B6	1RR18ME005	AMIT A	Prof. Praveen Kumar S P	FABRICATION AND DEVELOPMENT OF AUTOMATIC SHOE CLEANING AND POLISHING MACHINE	
22		1RR19ME004	F ABHISHEK			
23		1RR19ME008	MOHAMMED IRFAN			
24		1RR19ME009	MOHAMMED MUSTAFA MANNAN			
25	B7	1RR19ME006	KARTHIKEYAN R	Dr. Ramesh C	SELF BALANCING TWO-WHEELER	
26		1RR18ME032	PRAJWAL GOWDA M L			
27		1RR18ME057	YOGENDRA SINGH TAK			
28	B8	1RR19ME014	NISHANTH N	Prof. Madhu K.S.	FABRICATION OF GROUND NUT PLUCKING AND SORTING MACHINE	
29		1RR19ME015	POORVIK S B			
30		1RR19ME016	PRADYOTHA			
31		1RR19ME019	SACHIDANANDA D S			
32	B9	1RR19ME011	MURGESH Y M	Prof. Radhakrishna R. K	EVALUATION OF SOME THERMAL AND FRACTURE TOUGHNESS PROPERTIES OF HYBRID FIBRE COMPOSITES	
33		1RR18ME018	KAVANA K S			
34		1RR18ME058	YUGAL H			
35		1RR18ME027	NAVEEN KUMAR S K			

Co-ordinators: Satheesha V 15/02/23
Dr.Satheesha V

Prof.K.S. Madhu

Prof. & Head
Dept. of Mechanical Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
Kumbalgodu, Mysore Road
Bengaluru-560 074

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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

IN

MECHANICAL ENGINEERING

Submitted by

KIRAN B H	(1RR19ME007)
SAAICHARAN V	(1RR19ME018)
NAVEEN KUMAR	(1RR19ME012)
SURYA R	(1RR17ME115)

Under the Guidance of

Dr. RAMESH C

Prof. & Head of the Department

Dept. of Mechanical Engineering

DEPARTMENT OF MECHANICAL 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

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that project work entitled, **"DEVELOPMENT OF MULTI FUNCTIONAL HEXACOPTER DRONE"** is a bonafide work carried out by, **KIRAN B H (1RR19ME007), SAAICHARAN V (1RR19ME018), NAVEEN KUMAR R (1RR19ME012), SURYA R (1RR17ME115),** bearing in the partial fulfillment of 8th 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 the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements.

Signature of the Guide
(Dr. Ramesh C)

Signature of the HOD
(Dr. Ramesh C)

25/05/23
Signature of the Coordinator
(Dr. Satheesha V)

Signature of the Principal
(Dr. R. Balakrishna)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. K.S. Madhu
2. Manjunath. N

Signature with date

25/5/23
25/5/23

PROJECT REPORT

On

"DESIGN AND FABRICATION OF TWO AXIS PNEUMATIC MODERNTILTING TRAILER"

Submitted
to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELGAUM

In the partial fulfillment of the requirement for the
FINAL YEAR REPORT

MECHANICAL ENGINEERING

Submitted by

DARSHAN RATHOD B U	**(1RR19ME003)**
SANDEEP V S	**(1RR19ME020)**
SARATH KUMAR V	**(1RR19ME021)**
VISHNU S R	**(1RR19ME023)**

Under the Guidance

of

Dr.VISHWANATH K C
Associate Professor
Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BENGALURU – 560074.

2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.
(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

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 R (1RR19ME023)**,bearing in the partial fulfillment of 8th 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.

25/05/23

Signature of the Guide
(Dr.VISHWANATH K C)

Signature of the Coordinator
(DR. SATHEESHA V)

Signature of the HOD
(DR. RAMESH C)

Signature of the Principal
(DR. R. BALAKRISHNA)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

1. K.S. Madhu
2. Manjunath. N

Signature

25/5/23

25/5/23

PROJECT REPORT

ON

"MAXIMISED PRODUCTION OF HOT WATER USING A NOVEL ABSORBER TUBES OF A FLAT PLATE COLLECTOR"

Project Sponsored By

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ

Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru 560 012

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

IN PARTIAL FULLFILLMENT OF THE REQUIREMENT FOR THE

8TH SEMESTER

MECHANICAL ENGINEERING

SUBMITTED BY

ARPAN KARMAKAR.T (1RR19ME002)

KISHAN N (1RR18ME020)

VAISHNAVI N (1RR19ME022)

MOHIN KHAN (1RR19ME010)

UNDER THE GUIDANCE OF

Dr. N. SREENIVASALU REDDY

ASSSOCIATE PROFFESSOR IN

DEPARTMENT OF MECHANICAL ENGINERING

RAJARAJESWARI COLLEGE OF ENGINEERING

KUMBALAGUDU, BENGALURU-560074

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

Certified that the project work entitled, **MAXIMISED PRODUCTION OF HOT WATER USING A NOVEL ABSORBER TUBES OF A FLAT PLATE COLLECTOR.** is a bonafide work carried out in the department by, **ARPAN KARMAKAR.T (1RR19ME002), KISHAN N (1RR18ME020), VAISHNAVI N (1RR19ME022), MOHIN KHAN (1RR19ME010)** 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 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 8th Semester, Mechanical Engineering.

22.5.23

Dr. N. Sreenivasalu Reddy

Signature of guide

23/05/23

Dr. Satheesha V

Signature of coordinator

Dr. R. Baladrishna

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Signature of Principal

Dr. Ramesh

Signature of HOD

EXTERNAL VIVA

Name of Examiner

K. S. Madhu

Manjunath N

Signature with date

25/5/23

25/5/23

UG PROJECT REPORT

On

"THE DESIGN AND DEVELOPMENT OF ORIGAMI INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF"

Submitted

to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI

In the partial fulfilment of the requirement for the award

of the degree

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

Submitted by

ABIN T	**(1RR19ME001)**
HARIKRISHNA NAYAK	**(1RR19ME005)**
RAHUL S	**(1RR19ME017)**
SIDDARTH S	**(1RR18ME053)**

Under the Guidance

of

DR. SATHEESHA V

Associate Professor

Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BENGALURU – 560074

2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.

(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled, "THE DESIGN AND DEVELOPMENT OF ORIGAMI INSPIRED AUTOMATED AND RETRACTABLE MOBILE ROOF" carried out by Mr. ABIN T, (1RR19ME001), Mr. HARIKRISHNA NAYAK, (1RR19ME005), Mr. RAHUL S, (1RR19ME017), Mr. SIDDARTH S (1RR18ME053), a bonafide student of RAJARAJESWARI COLLEGE OF ENGINEERING in partial 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 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
15/05/23

(Dr. Satheesha V)

Signature of the Coordinator
15/05/23

(Dr. Satheesha V)

Signature of the HOD
25/05/23

(Dr. Ramesh C)

Signature of the Principal

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING

(Dr. R. Balakrishna)

External Viva - Voce:

Name of the examiner	Signature with date
1. K.S. Madhu	25/5/23
2. Manjunath.N	25/5/23

PROJECT WORK PHASE-2 REPORT

On

"ENHANCEMENT OF HEAT TRANSFER USING WAVY SHAPED RECIEVER TUBE OF PARABOLIC TROUGH COLLECTOR"

Submitted
to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELGAUM

In the partial fulfillment of the requirement for the
8th SEMESTER

MECHANICAL ENGINEERING

Submitted by

AJAY K P	**(1RR18ME001)**
KAUTUK GAONKAR	**(1RR18ME017)**
B V NAVTHEJ	**(1RR19ME013)**
DARSHAN V	**(1RR18ME013)**

Under the Guidance

of

Mr. Dhananjay B S
Associate Professor
Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BENGALURU – 560074.

2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.
(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

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 P (1RR18ME001), KAUTUK GAONKAR (1RR18ME017),B V NAVTHEJ (1RR19ME013), DARSHAN V (1RR18ME013)**, bearing in the partial fulfillment of 8th 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.

Signature of the Guide
(Mr Dhananjay B S)

Signature of the HOD
(DR. RAMESH C)

Signature of the Coordinator
(DR. SATHEESHA V)
25/05/23

Signature of the Principal
(DR. R. BALAKRISHNA)
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

1. K S Madhu
2. Manjunath N

Signature
25/5/23
25/5/23

PROJECT WORK PHASE-2 REPORT

On

"FABRICATION AND DEVELOPMENT OF AUTOMATICSHOE CLEANING AND POLISHING MACHINE"

Submitted
to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELGAUM

In the partial fulfillment of the requirement for the
8th SEMESTER

MECHANICAL ENGINEERING

Submitted by

AMIT A	**(1RR18ME005)**
F ABHISHEK	**(1RR19ME004)**
MOHAMMED IRFAN	**(1RR19ME008)**
MOHAMMED MUSTAFA MANNAN	**(1RR19ME009)**

Under the Guidance

of

Prof. Praveen Kumar S P
Associate Professor
Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BENGALURU – 560074.

2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074.
(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work phase 2 entitled, **"FABRICATION AND DEVELOPMENT OF AUTOMATIC CLEANING AND POLISHING MACHINE"**, is a bonafide work carried out in the department by, **AMIT A (1RR18ME005), F ABHISHEK (1RR19ME004),MOHAMMED IRFAN (1RR19ME008), MOHAMMED MUSTAFA MANNAN (1RR19ME009)**, bearing in the partial fulfillment of 8th 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.

25/5/23
Signature of the Guide
(Prof. Praveen Kumar S P)

Signature of the HOD
(DR. RAMESH C)

25/05/23
Signature of the Coordinator
(DR. SATHEESHA V)

Signature of the Principal
(DR. R. BALAKRISHNA)

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

1. K.S. Madhu 25/5/23
2. Manjunath N

Signatures

Manjunath N 25/5/23

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELGAUM

PROJECT WORK PHASE-2 REPORT

On

"Self Balancing Two Wheeer"

In the fulfillment of the requirement for the
8th SEMESTER MECHANICAL ENGINEERING

Submitted by

R.karthikeyan (1RR19ME006)

Prajwal Gowda ML (1RR19ME032)

Under the Guidance of Dr RAMESH C Assistant HOD
Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BENGALURU – 560074.

2022-23

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074.
(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

KNOWLEDGE IS POWER

CERTIFICATE

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 (1RR18ME032)**

bearing in the partial fulfillment of 8th 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 8th Semester, Mechanical Engineering.

Signature of the Guide
(Dr.Ramesh C)

Signature of the Coordinator
(Dr. Satheesha V)

Signature of the HoD
(Dr.Ramesh C)

Signature of the Principal
(Dr. R . Balakrishna)

Examiners
K.S. Madhu
Manjunath.N
25/5/23

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

In

MECHANICAL ENGINEERING

Submitted By

NISHANTH N (1RR19ME014)

POORVIK S B (1RR19ME015)

PRADYOTHA A (1RR19ME016)

SACHIDANANDA D S (1RR19ME019)

Under the guidance of

K S MADHU
Associate Professor
Dept. of ME RRCE

DEPARTMENT OF MECHANICAL 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 MACHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled

"FABRICATION OF GROUND NUT PLUCKING AND SORTING MACHINE"

Carried out by

NISHANTH N	(1RR19ME014)
POORVIK S B	(1RR19ME015)
PRADYOTHA A	(1RR19ME016)
SACHIDANANDA D S	(1RR19ME019)

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

(Prof. K.S Madhu)

Signature of the Coordinator

25/05/23

(Dr. Satheesha V)

Signature of the HoD

(Dr.Ramesh C)

Signature of the Principal

(Dr. R. Balakrishna)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli, Bengaluru-74

25/5/23

External Viva-Voce

Examiners:

1. K.S. Madhu
2. Manjunath.N

25/5/23

Project Report

On

"EVALUATION OF SOME THERMAL AND FRACTURE TOUGHNESS PROPERTIES OF HYBRID FIBER COMPOSITES"

Submitted

to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELGAUM-590014, KARNATAKA.

In the partial fulfilment of the requirement for the award of the Degree

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

Submitted By

MURGESH Y M	(1RR19ME011)
KAVANA K S	(1RR18ME018)
YUGAL H	(1RR18ME058)
NAVEEN KUMAR S K	(1RR18ME027)

Under the Guidance of

RADHAKRISHNA R K

Assistant Professor

Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

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(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

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 (1RR19ME011), KAVANA K S (1RR18ME018), NAVEEN KUMAR S K (1RR18ME027), YUGAL H (1RR18ME058),** 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.

25/5/2023
Signature of the Guide
(Prof. Radhakrishna R K)

27/5/23
Signature of the Coordinator
(Prof. Madhu K S)

Signature of the HOD
(Dr. C . Ramesh)

Signature of the Principal
(Dr .R. Balakrishna)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-voce

Examiners:
1. K.S. Madhu
2. Manjunath N

25/5/23

RajaRajeswari College of Engineering

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Department of Master of Computer Applications

Project List

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	1RR21MC005	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	1RR21MC013	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	1RR21MC015	Deeraj C	Dr. T. Subburaj	BIRD BOOK
15	1RR21MC016	Dhanushree R S	Dr. T. Subburaj	Real Time Passemger 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	1RR21MC021	Harsha M	Dr. T. Subburaj	Efficient Thyroid Disease Prediction Using Features Selection and Meta Classifiers

21	1RR21MC022	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	1RR21MC037	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	1RR21MC043	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	1RR21MC045	Rohith K	Mrs. Priyanka V G	Data Mining Applications to Fault Duagnosis in Power Electronic Systems : A Systematic Review

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Department of Master of Computer Applications

45	1RR21MC046	Shraddha S	Mrs. Priyanka V G	DL Based Human Assault Detector
46	1RR21MC047	Shreya P Hegde	Mrs. Priyanka V G	Blockchain-Based Management for Organ Donation and Transplantation
47	1RR21MC048	Tilak H N	Mrs. Priyanka V G	E-Puncture
48	1RR21MC049	Uday S N	Mrs. Priyanka V G	Detection of Stress in IT Employess 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	1RR21MC052	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

Coordinator

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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2022-2023

RAJARAJESWARI COLLEGE OF ENGINEERING

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(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.

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Principal
Principal
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Bengaluru - 560074

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

CLOUT BUSINESS NETWORK LIMITED.

Dear Sir/Madam,

We are glad to inform you that Mr. A Raj Kumar (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

Rajajinagar Branch : 72nd Cross Road, Rajaji Nagar, Bengaluru, Karnataka 560010 Website : www.cbnltech.com
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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAJARAJESWARI COLLEGE OF ENGINEERING

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Mysore Road, Bangalore - 560074

Certificate
OF PUBLICATION

We hereby certify that

A Rajkumar (1RR21MC001)

In recognition of the Publication of the Paper Entitled

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

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

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. Rajkumar
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
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Mrs. Deepa K R

Assistant Professor
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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 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.

Internal Guide

Mrs. Deepa K R

Assistant Professor
Department of MCA
RRCE, Bengaluru-560074

External Guide

Mrs. Vaibhava Sindhu

Project Manager
Ilacs Technologies
Bengaluru-560078

Head of the Department

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H.O.D.
Dept. of M.C.A.
Rajarajeshwari College of Engineering
Bangalore - 560 074

Principal 14/7/23

Dr. R. Balakrishna

Principal of RRCE
Bengaluru - 560074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Certificate

OF PUBLICATION

We hereby certify that

Amrutha S (1RR21MC004)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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
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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.

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EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078
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Mysore Road, Bangalore - 560074

Certificate
OF PUBLICATION

We hereby certify that

Anusha S (1RR21MC005)

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

Dr. N. Ayyanathan
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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
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560078

Mrs. Deepa K R

Assistant Professor
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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 that **Ms.Archana R Mulge** 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.

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14/7/23

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TechCiti Software Consulting Private Limited

CIN: U72900KA2018PTC117376 **D-U-N-S No. :** 86 14 54180

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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

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Certificate

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We hereby certify that

Archana R Mulge (1RR21MC006)

In recognition of the Publication of the Paper Entitled

Machine Learning Algorithm Evaluation for Detection of Fake Bank Currency

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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The Publisher

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

ASHISH KRISHNA P

1RR21MC007

Under the Guidance of

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2022-2023

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PROJECT CERTIFICATE

This is to Certify that **Ashish Krishna P** bearing USN:**1RR21MC007**, 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.

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ILACS TECHNOLOGIES

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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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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NFV Based Attack Defence Architecture for SDN Management Layer

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

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

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1RR21MC009

Under the Guidance of

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Ms.BHAVYA C** bearing **USN:1RR21MC009**, student of 4th semester 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.

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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Facial Detection System Master Strike

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

BHAVYASHREE V

1RR21MC010

Under the Guidance of

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This is to Certify that **Bhavyashree V**, bearing USN **1RR21MC010**, 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.

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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"

Regards,

Sainadh Panda

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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)

ABSTRACT

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

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2022-2023

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2022-2023

Department of Master of Computer Applications

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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.

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BLITZ TECHNOLOGY

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Dear sir/Madam

This is to certify that Ms. Bhavana G 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

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Identifying Fake Users and Detecting Spammers on Social Networks

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

Millions of people utilise social networking sites across the world. Users interactions with social similar media websites Twitter and Facebook have a huge influence on their everyday lives, with 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, Twitter has emerged to be widely accepted all platforms time, allowing an excessive quantity with 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 been a popular field of study in modern online social Networks (OSNs). In this work, we examine 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

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2022-2023

Department of Master of Computer of Applications

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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.

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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

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ABSTRACT

By sharing protected private Records of health (PHRs) with physicians or institutes engaged in medical research, a growing percentage of patients in the e-healthcare 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 ofR&D

RRCE,Bangaluru-560074

Dr. T Subburaj

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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. 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.

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This is to certify **Ms. CHANDANA N L [USN : 1RR21MC013]**, 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

With Regards

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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

ABSTRACT

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

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Embedded Software Developer
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2022-2023

Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Mr.Darshan P** bearing **USN:1RR21MC014**, student of 4th semester 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.

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CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

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

ABSTRACT

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

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This is to certify **Mr. DEERAJ C [USN : 1RR21MC015]** , 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

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Dr. S USHA
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Professor & Head, Computer Science of Engineering
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ABSTRACT

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 bird-watching 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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Dhanush R

1RR21MC056

Under the Guidance of

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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.

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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

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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)

ABSTRACT

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.

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2022-2023

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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

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ABSTRACT

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

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

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Certificate
OF PUBLICATION

We hereby certify that

Diana Jennifer S (1RR21MC017)

In recognition of the Publication of the Paper Entitled

Applying Machine Learning for Identifying Fraud Sites

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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
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Mr. Dr. T Subburaj
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RAJARAJESWARI COLLEGE OF ENGINEERING

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2022-2023

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2021-2022

Department of Master Of Computer Application

PROJECT CERTIFICATE

This is to Certify that **Mr. FAISAL PASHA A** bearing **USN:1RR21MC018**, student of 4th semester 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.

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Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

ILACS TECHNOLOGIES

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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Certificate
OF PUBLICATION

We hereby certify that

Faisal Pasha A (1RR21MC018)

In recognition of the Publication of the Paper Entitled

Price Part for Used Suvs

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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.

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Name of the Examiners **Signature with Date**

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Mr. Gagan G R 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

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Certificate

OF PUBLICATION

We hereby certify that

Gagan G R (1RR21MC019)

In recognition of the Publication of the Paper Entitled

Heart Disease Detection with Data Analytics and Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

HARSHA.M

1RR21MC021

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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.

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Name of the Examiner	Signature with Date
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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Harsha M 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

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Thyroid Disease Prediction with Features Selection and Meta-Classifiers

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 Classifier-based 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

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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 4th 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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WEBBLITZ SOFTWARES

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,

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Certificate

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Electricity Theft Detection In Smart Grids Based On Deep Neural Networks

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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

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Under the Guidance of

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2022-2023

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2022-23

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Ramohalli Cross, Bengaluru-74

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Name of the Examiners	Signature with Date
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2.....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Harshitha H N from "RajaRajeswari College of Engineering", Bangalore with (USN: 1RR21MC025) 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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Certificate
OF PUBLICATION

We hereby certify that

Miss Harshitha H.N

USN: 1RR21MC023

In recognition of the Publication of the Paper Entitled

Rapid bird species identification using audio signal processing and neural network

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.Pre-processing 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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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

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2022-23

Department of Master Of Computer Application

PROJECT CERTIFICATE

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

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Name of the Examiners	**Signature with Date**
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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Harshitha P V 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

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#14, Ramohalli Cross, Kumbalgodu
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Certificate

OF PUBLICATION

We hereby certify that

Miss. Harshitha P.V

In recognition of the Publication of the Paper Entitled

Plant Disease Detection and Classification Using Machine Learning Algorithms

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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The Publisher

ABSTRACT

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.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI

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
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Mrs. Deepa K R

Asst. Prof, Department of MCA
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2022-2023

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2022-2023

Department of Master Of Computer Application

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This is to Certify that **Mr. JAI SHANKAR M** bearing **USN:1RR21MC025**, student of 4th semester 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.

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EXTERNAL VIVA

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2.....	.....

ILACS TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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CERTIFICATE OF PUBLICATION

This is to certify that the article entitled

SPEECH EMOTION FEELINGS RECOGNITION BIOMETRIC USING MACHINE LEARNING

Authored By

Jai Shankar M

Department of Master of Computer Applications, RajaRajeswari College of Engineering Bangalore

Published in

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UGC
University Grants Commission

Chief Editor

(Hon.) – Dr. Upen Rabha Hakacham

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 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

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PUBLICATION

The Board of International Journal of Advance Research and Innovative Ideas in Education

is hereby Awarding this Certificate to

JAVEED PASHA

In Recognition of the Publication of the Paper Entitled

DEEP LEARNING AND EMOTION ANALYSIS-BASED CRYPTOCURRENCY FORECASTING

Published in E-Journal

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Peer Review Journal
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Editor In Chief

IJARIIE

ABSTRACT

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
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ILACS TECHNOLOGIES

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Smart Agreculture Food Supply

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

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The Publisher

ABSTRACT

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 asa 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,
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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

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2.....	.....

CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

This is to certify that Ms. Jyoti A Desai (USN: 1RR21MC028)from "Rajarajeswari college of engineering", **Bangalore,** has successfully completed her project from 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:" Fraud Detection on bank payment using Machine learning"

Regards,

Sainadh Panda

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We hereby certify that

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Fraud detection on bank payments using Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 time-consuming, 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 time-consuming.

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

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2022-2023

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BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Likhitha K B 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

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Pneumonia Detection Using Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Shreedhar Maruti Kumbhar

Assistant Professor

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2.....	.....

DREAM BUZZ
SOLUTIONS

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr/Ms. MADHUKUMAR A P (Reg No: 1RR21MC031)**, a bonafide student of **RAJARAJESWARI COLLEGE OF ENGINEERING** was appointed as project intern to work on the project entitled as **"A CARDLESS TRANSACTION USING BIOMETRIC TRIATS FOR AUTHENTICATION"** for our organization during **April 1st 2023** to **July 31st 2023**, and has successfully completed the system 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 industrial standards. We wish him/her all success in their future endeavors.

Warm regards,

Suresh M P

Head of the company

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A CARDLESS TRANSACTION USING BIOMETRIC TRAITS FOR AUTHENTICATION

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Mr. Shreedhar Maruti Kumbhar

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2022-2023

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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.

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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

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We hereby certify that

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Deep Learning Really Create an Impact in Vehicle Traffic Forecasting

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Under the Guidance of

SURESH M P

Project Manager

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2022-2023

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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.

For DREAM BUZZ SOLUTIONS
PROPRIETOR

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

DREAM BUZZ
SOLUTIONS

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

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Certificate

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A Responsive web view application for orphanage connecting and adoption

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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.

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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

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2022-2023

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2022-2023

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This is to Certify that **Mr. MANOJ S** bearing **USN:1RR21MC034**, student of 4th semester 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.

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CLOUT BUSINESS NETWORK LIMITED.

Project Completion Certificate

Dear sir/madam

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

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We hereby certify that

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

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SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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

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Dear sir/madam

This is to certify that Ms. Meghana R (USN: 1RR21MC035)from "RAJARAJESWARI COLLEGE OF ENGINEERING", **Bangalore,** has successfully completed her project from April 1 2023 to July 30 2023.

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

Title:" Air Quality Prediction Based On Machine Learning"

Regards,

Sainadh Panda

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Machine Learning for Air Quality Prediction

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ABSTRACT

Given the rapid industrialization that has occurred in recent years, initiatives to safeguard the environment cannot be successfully ensured. Worryingly serious environmental difficultiesthathave 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,itis crucial to set up and implement the appropriate controls to lessen smog. Thislearning makes wideusageof 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

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USN: 1RR21MC036

Under the Guidance of

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2022-2023

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In recognition of the Publication of the Paper Entitled

Medical GPT using Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
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The Publisher

ABSTRACT

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

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1RR21MC037

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Department of Master of Computer Applications

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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

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Dean R&D,
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MorseSpotranet: A Concordant Synaptic Morse Recognition and Detection Network by Deep Learning

Published in

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The Publisher

ABSTRACT

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 4th Semester 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

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2022-202

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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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RAJARAJESWARI
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Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1).....	.....
2).....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Ms. Nisarga B 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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Certificate

OF PUBLICATION

We hereby certify that

Nisarga B (1RR21MC038)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

NISCHITHA A P

1RR21MC039

Under the Guidance of

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Project Coordinator

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Dr. T Subburaj

Associate prof. and Head of the Department

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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.

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PROJECT CERTIFICATE

This is to certify **Ms. NISCHITHA A P [USN : 1RR21MC039]** , 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

With Regards

Dr. S USHA
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RAJARAJESWARI COLLEGE OF ENGINEERING

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Certificate
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We hereby certify that

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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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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. Importantcharacteristic 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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Nischitha M

1RR21MC040

Under the Guidance of

Ms.Kasthuri

Software developer

Techciti software pvt.ltd-Bangalore

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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.

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Landline: 080 4162 8482 **Email** : info@techcitisoftware.in **Website:** www.techcitisoftware.in

Ref.No.TSCPL/2023-2024/HRD/INT5261
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

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Certificate

OF PUBLICATION

We hereby certify that

Nishitha M (1RR21MC040)

In recognition of the Publication of the Paper Entitled

A Data Analytics Approach to the Cybercrime Underground Economy

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

PRASAD H R

1RR21MC041

Under the Guidance of

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Project Coordinator

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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.

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Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify **Mr. PRASAD H R [USN : 1RR21MC041]** , 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,
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Professor & Head, Computer Science of Engineering
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Certificate
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We hereby certify that

Prasad H R (1RR21MC041)

In recognition of the Publication of the Paper Entitled

Bug Tracking for Improving Software Reliability Using Django

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Mr. PREMANTH GOWDA T S** bearing USN:**1RR21MCO42,** students of 4th 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.

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
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ILACS TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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Certificate

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We hereby certify that

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In recognition of the Publication of the Paper Entitled

Parkinson's Disease Detection using Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester in

MASTER OF COMPUTER APPLICATIONS

By

Pushpalatha G

1RR21MC043

Under the Guidance of

Ms.Kasthuri

TechCiti software Pvt.Ltd

Bengaluru-560078

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2022-2023

Department of Master of Computer Application

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This is to Certify that **Pushpalatha G** bearing **USN:1RR21MC043** , student of 4th 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.

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Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with Date
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TechCiti Software Consulting Private Limited

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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

Vol. 11 Special Issue 1 July 2023

E-ISSN: 2582 - 0397 P-ISSN: 2321 - 788X

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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

Pushpalatha G (IRR21MC043)

In recognition of the Publication of the Paper Entitled

Drug Recommendation System Using Machine Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester 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

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(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
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Department of M.C.A.
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Bengaluru - 560 074.

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

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Project Coordinator
WebBlitz Softwares
Bengaluru-78

Principal
Dr.Balakrishna R
Principal of RRCE
Bengaluru-560074

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNALVIVA

Name of the Examiner	Signature with Date
1).....	.....
2).....	.....

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,

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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RAJARAJESWARI COLLEGE OF ENGINEERING

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

Certificate

OF PUBLICATION

We hereby certify that

Rahul R Bhat (1RR21MC044)

In recognition of the Publication of the Paper Entitled

A Machine Learning Based Classification and Prediction Technique for DDoS Attack

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

Consequently, the exploitation of the gaps in the security of Internet of Things (IoT) devicesthe 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 high-dimensional 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

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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 **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.

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Project Manager
Blitz Technologies
Bengaluru-560078

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Department of M.C.A.
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Principal
Dr. R. Balakrishna
Principal of RRCE
Bengaluru - 560074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERI
Ramohalli Cross, Bengalu

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Mr. Rohith K R 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

BLITZ TECHNOLOGY

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

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

Certificate
OF PUBLICATION

We hereby certify that

Rohith K R (1RR21MC045)

In recognition of the Publication of the Paper Entitled

A Detailed Analysis of Data Mining Procedures for Problem Detection in Energy Red Systems

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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 **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

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Principal
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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	.....
2.....	.....

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
Sponsored by MOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

PROJECT CERTIFICATE

This is to certify **Ms. SHRADDHA S [USN : 1RR21MC046]** , 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

With Regards

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

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

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

Certificate
OF PUBLICATION

We hereby certify that

Shraddha S (1RR21MC046)

In recognition of the Publication of the Paper Entitled

DL Based Human Assault Detector

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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 4th Semester 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

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(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
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RAJARAJESWARI COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1).....	.....
2).....	.....

ILACS TECHNOLOGIES

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,

(Mohammed Ilyas)

64/A, 1st Floor, 21st Main, J. P. Nagar, 2nd Phase, Bangalore - 560078
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Mysore Road, Bangalore - 560074

Certificate
OF PUBLICATION

We hereby certify that

Shreya Prakash Hegde (1RR21MC047)

In recognition of the Publication of the Paper Entitled

Management of Organ Donation and Transplantation using Block Chain

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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.

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Dean R&D,
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Bangalore 560074

Head of the Department
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Bangalore - 560 074.

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

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

RajaRajeswari College of Engineering
(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliate to Visvesvaraya Technological University, Belagavi)
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 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.

With Regards

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

Professor & Head, Computer Science of Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
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Mysore Road, Bangalore - 560074

Certificate

OF PUBLICATION

We hereby certify that

Tilak H N (1RR21MC048)

In recognition of the Publication of the Paper Entitled

E - Puncture

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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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.

Internal Guide
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External Guide
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Project Manager
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Bengaluru-560010

Head of the Department
Dr. T Subburaj
Department of MCA
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Department of M.C.A.
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Bangalore - 560 074.

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

EXTERNAL VIVA

Name of the Examiners	**Signature with date**
1.....	.....
2.....	.....

WEBBLITZ SOFTWARES

Completion Certificate

This is to certify that Mr Uday S N (USN: 1RR21MC049) 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 Kuvempu Metro Station, Rajajinagar 2nd Stage, Bangalore - 560 010.
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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

Uday S N (RR21MC049)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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

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PRIYANKA V GUDADA

Assistant Professor

Department of MCA

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2022-2023

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(An ISO 9001-2008 Certified Institution)
2022-2023

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.

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EXTERNAL VIVA

Name of the Examiners	**Signature with Date**
1.....	Principal RAJARAJESWARI College of ENGINEERING Ramohalli Cross, Bengaluru-74
2.....	.....

ILACS
TECHNOLOGIES

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.

We wish him all the best for future growth!!!!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(project Manager)

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RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalgodu
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Certificate

OF PUBLICATION

We hereby certify that

Varun R (1RR21MC060)

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

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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
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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.

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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-

EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

BLITZ TECHNOLOGY

Certificate

Dear sir/Madam

This is to certify that Mr. Vidyasagar 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

293/4, 2ndFloor, Rajajinagar 2nd Stage,Near Navarang, Bangalore - 560 010.
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Certificate

OF PUBLICATION

We hereby certify that

Vidyasagar (1RR21MC051)

In recognition of the Publication of the Paper Entitled

Utilisation of Split Control Access when using the cloud

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

ABSTRACT

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
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2022-2023

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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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2.....	.....

ILACS TECHNOLOGIES

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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Certificate
OF PUBLICATION

We hereby certify that

Yashaswini K S (1RR21MC053)

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

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,
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Bengaluru-560074

DR. T. SUBBURAJ
HOD & Associate Professor
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2022-2023

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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.

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15/7/23

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Name of the Examiners	Signature with Date
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#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

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.

With Regards

Dr. S Usha
Dean R&D,
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Professor & Head, Computer Science of Engineering
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RAJARAJESWARI COLLEGE OF ENGINEERING

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Certificate

OF PUBLICATION

We hereby certify that

Yathishwar B (1RRJ1MC054)

In recognition of the Publication of the Paper Entitled

Hospital and Doctor Recommendation with Disease Prediction Using Machine Learning

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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2022-2023

Department of Master of Computer Applications

PROJECT CERTIFICATE

This is to Certify that **Mr.Yogeesh D R** bearing **USN:1RR21MC055**, student of 4th semester 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.

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EXTERNAL VIVA

Name of the Examiners	Signature with Date
1.....	.....
2.....	.....

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.

We wish her all the best for future growth!!!!!!!!!!!!!!!!!!

With Regards,

Mohammed Ilyas

(Project Manager)

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RAJARAJESWARI COLLEGE OF ENGINEERING

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Certificate
OF PUBLICATION

We hereby certify that

Yogeesh D R (1RR21MC055)

In recognition of the Publication of the Paper Entitled

Online Bullying Detection using Machine Learning and Deep Learning

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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
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2022-2023

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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

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

Head of the Department
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Principal
Dr. R. Balakrishna
Principal of RRCE
Bengaluru - 560074

Head of Dept.
Department of M.C.A.
Rajarajeswari College of Engineering
Bangalore - 560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA

Name of the Examiners	Signature with date
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.
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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

Miss Varshini. S

In recognition of the Publication of the Paper Entitled

Dual - Server Public - Key Authenticated Encryption with Keyword Search

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
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.

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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
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Bangalore-560074

Mr. SHREEDHAR MARUTI KUMBHAR
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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.

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Name of the Examiners	**Signature with Date**
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RAJARAJESWARI COLLEGE OF ENGINEERING

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Mysore Road, Bangalore - 560074

Certificate

OF PUBLICATION

We hereby certify that

Vinay G B (1RR21MC060)

In recognition of the Publication of the Paper Entitled

Controlling Access with Multi-Authority & Identification for Individual Personal Medical Records

Published in

SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES

Dr. N. Ayyanathan
Editor in Chief

Er. S. Lakshmanan
The Publisher

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.

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#14, Ramohalli Cross, Kumbalagudu, Bengaluru-560074.

DEPARTMENT OF CIVIL ENGINEERING

Project batch list 2022-2023

SL. No	Name of the Students	USN	Batch	Guide	Title of the project
1	VENKATESH PRASAD V	1RR18CV063	1	Mrs. M C Malarvizhi	Analysis of soil slope subjected to rainwater simulation
2	ARUN PRASAD P	1RR18CV009			
3	SHASHANK K S	1RR18CV054			
4	HARSHITH S	1RR18CV014			
5	RAKESH D	1RR19CV027	2	Mrs. M C Malarvizhi	Prepration of cellular light weight concrete block with addition of polyproplene fibre
6	KARTHIK S	1RR18CV020			
7	RAJATH KUMAR D P	1RR17CV070			
8	BHARATH R	1RR18CV010			
9	SHARATH S	1RR20CV406	3	Mrs. Kavya M P M	A study on producing paver block from scrap plastic
10	HEMANTH B O	1RR19CV015			
11	LIKITH R	1RR19CV020			
12	DHYAN GOWDA M K	1RR19CV012			
13	DARSHAN TG	1RR19CV007	4	Mrs. M C Malarvizhi	Biomethanation of canteen waste in full scale plant
14	MANU N	1RR19CV021			
15	ADITHYA R	1RR19CV001			
16	VIKAS D	1RR19CV040			
17	LALITESH S L	1RR19CV018	5	Dr.D.C. Sharma	Planning Conceptulization analysis and design of a hostel building
18	SUSHMITHA K	1RR18CV061			
19	KISHORE R	1RR18CV024			
20	VINAYAK V NAYAK	1RR19CV042			
21	LIKHITA M H	1RR19CV019	6	Mr. Gangadhar N	Study on hybrid coposite concrete by using foundry waste for construcion
22	SAKSHI ANJHALI	1RR19CV031			
23	SRIRAKSHA D Y	1RR19CV036			
24	ARUN GOWDA K G	1RR19CV003			
25	ARJUN SHEKAR C	1RR19CV002	7	Mrs. M C Malarvizhi	The planning and designing of waste water management system in RRGI campus
26	DARSHAN V JAGATAP	1RR19CV008			
27	DHANUSH KUMAR M	1RR19CV010			
28	MUNESH M	1RR19CV023			
29	CHIDANANDA E	1RR19CV006	8	Mr.G K Kamalakar	A Role of Zeolite in concrete
30	DEEKSHITH KUMAR S	1RR19CV009			
31	NISHANTH S N	1RR18CV032			
32	PRUTHIVI D	1RR17CV065			
33	ROHITH K	1RR20CV405	9	Mrs. Kavya M P M	Project-an experimental study on pervious concrete
34	NITHYA N	1RR19CV024			
35	HRUTHIKA P	1RR18CV017			
36	BASAVARAJU K P	1RR20CV402			
37	THANUSHREE R	1RR19CV027	10	Mr. Gangadhar N	Harzardious waste as a construction material
38	KAVYA K	1RR19CV028			
39	KAVYA T A	1RR19CV029			
40	SAHANA H M	1RR19CV030			

41	MRUTHYUNJAYA B PATIL	1RR20CV404	11	Mr. Gangadhar N	Soil Investigation for construction of hostel building
42	SOUJANYA S	1RR20CV407			
43	SHILPA K	1RR19CV422			
44	DHRUVATARE B N	1RR20CV011			
45	TEJAS R	1RR19CV038	12	Mr.G K Kamalakar	Investigation into the efficacy of adsorbent for the treatment of waste water
46	SONU N	1RR19CV034			
47	SAGAR R	1RR19CV029			
48	YASHWANTH K J	1RR19CV043			
49	MASHOOD ZAHOOR	1RR20CV403	13	Mrs. M C Malarvizhi	Performance of biogas plant
50	SHARLIN	1RR19CV032			
51	SOUNDARYA S	1RR19CV035			
52	SALMAN KHAN	1RR18CV047			
53	VIKRAM C	1RR19CV041	14	Mrs. M C Malarvizhi	To Improve bearing capacity and impermeability of loose soil
54	MOIEN MOHI UD DIN BHAT	1RR19CV022			
55	SOHAM SHARMA	1RR19CV033			
56	RITIK DAWAR	1RR19CV028			
57	ASHITOSH	1RR20CV400	15	Mrs. Kavya M P M	Phytoremediation of waste water using water hyacinth
58	AYAAN PASHA	1RR20CV401			
59	BHEEMESH S	1RR19CV004			
60	NIVEDITHA B Y	1RR18CV033			
61	CHANDAN M	1RR19CV005	16	Mr.G K Kamalakar	Case Study on traffic congestion near RajaRajeswari Medical College and noise monitering
62	PAVAN M	1RR19CV025			
63	PRUTHVIN B S	1RR19CV026			
64	HARDIK KN	1RR17CV031	17	Dr.K.Aravinthan	An Experimental study on bamboo as a reinforcement material
65	TANAY SAJJAN G V	1RR19CV037			

HOD
Department of Civil Engineering
RRCE / BLR-74

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA,BELAGAVI-590018

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	**1RR19CV022**
RITIK DAWAR	**1RR19CV028**
SOHAM SHARMA	**1RR19CV033**
VIKRAM C	**1RR19CV041**

Under the guidance of

Prof. M.C Malarvizhi
Assistant Professor,
Civil Dept RRCE,
Bangalore-74

DEPARTMENT OF CIVIL ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

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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	1RR19CV022
RITIK DAWAR	1RR19CV028
SOHAM SHARMA	1RR19CV033
VIKRAM C	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.

08/05/23	08/5/23	
Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof. M.C Malarvizhi	Prof. Gangadhar N	Dr. R Balakrishna
Asst. Prof. CVE Dept	Prof & HOD, CVE Dept	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External viva:

Name of the examiner

1. Kushnapipa. B.K

2. KAVYA KPM

Sign and date

25/05/23

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)
YASHWANTH K J	(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	Signature of the Principle
Prof. KAMALAKAR G K	Prof. GANGADHAR N	Dr. BALAKRISHNA R
	8/5/23	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli, Bangalore-74

Name of the examine

1. Kushnappa. B.K
2. KAVYA MPM

Signature with date

1. 26/05/23
2. [illegible]

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 (1RR17CV070), BHARATH R (1RR18CV010), KARTHIK S (1RR18CV020), RAKESH D (1RR19CV027), 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	Signature of the HOD	Signature of the Principal
Prof. M C MALARVIZHI	**Prof. GANGADHAR N**	**Dr. R BALAKRISHNA**
Assistant Professor	**Prof & HOD**	**Principal**
Dept of CVE	**Dept of CVE**	**RRCE, BANGLORE**
RRCE, BANGLORE	**RRCE, BANGLORE**	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli

Examiners Name	Signature With Date
1. M. C. Malarvizhi	
2. 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 (1RR18CV009), HARSHITH S (1RR18CV014), SHASHANK K S (1RR18CV054), VENKATESH PRASAD V (1RR18CV063). 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 ENGINEERING Ramohalli Cross, Bengaluru-7.

Examiners Name

1. M. C. Malarvizhi

2. K. M. KIRAN

Signature With Date

25/5/23

25/5/23

Project List- AY 2022-23

SL.NO	NAME	USN NO	TITLE OF PROJECT	GUIDE NAME
1	ABRIN NISHA	1RR19EE001	DISTRACTION AND DROWSINESS DETECTION USING NEURAL NETWORK TECHNOLOGY	Prof. UDHYAMI
	ANUSHA S.G	1RR19EE004		
	YASHAS S.M	1RR19EE031		
2	LIKITH J	1RR19EE012	LOW COST RADAR	PROF.AVINASH
	MANOJ G	1RR19EE013		
	LEELANJALI N	1RR19EE015		
	SHAMBHAVI M.N	1RR19EE024		
3	AKSHATHA D.A	1RR19EE003	UAV FOR AMBULANCE ESCORT	PROF. DR. EBBY DARNEY
	NIVEDHA D	1RR19EE017		
	SREEHARI	1RR19EE026		
	SUVARNA P.U	1RR19EE028		
4	DHANUSH KUMAR B	1RR18EE005	SMART UNDERGROUND CABEL FAULT DETECTION AND MONITORING SYSTEM	PROF.SHIVALINGAIAH
	KRISHNA PAWAR	1RR19EE010		
	PRAJWAL D.K	1RR19EE018		
	VAIBHAV S	1RR19EE030		
5	SNEHA G	1RR19EE025	SMART ENERGY METER	PROF. SINCY ELEZEBTH
	PURUSHOTHAM .V	1RR1933022		
	PRATHIK V	1RR19EE019		
	RAKESH G	1RR19EE023		
6	SUHAS B	1RR19EE027	CYBER SECURITY	PROF.KIRUTHIKA
	CHANDAN N	1RR19EE		
	AKASH	1RR19EE002		
	MANOJ KUMAR R	1RR19EE014		
7	CHENNE GOWDA	1RR19EE008	WIND TREE POWER GENERATION	PROF.NANDINI
	KUMAR MANIKANTA	1RR19EE011		
	PREM SAGAR	1RR19EE022		
	VAMSI VADITHYA	1RR19EE029		
8	SANAJAY YADAV	1RR10EE401	THUMB START EV	PROF.PRUTHA G
	NEHA	1RR19EE016		
	BHOOMIKA J	1RR19EE004		
	VENU GOPAL	1RR18EE033		
9	TEJASHWINI	1RR20EE402	WIRELESS CHARGING LANE USING RENEWABLE	PROF.PRUTHA G
	UTTAM	1RR20EE403		
	YATHISH GOWDA H	1RR19EE032		

Professor & HOD
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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 (1RR19EE003), NIVEDHA D (1RR19EE017), SREE HARI K (1RR19EE026), SUVARNA P U (1RR19EE028)** 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	Signature of the HOD	Signature of the Principal
Dr P Ebby Darney	**Dr P Ebby Darney**	**Dr.Balakrishna R**
	External Viva	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. C.P. Harshavardhan
2. Shivalingaiah.K.L

Signature with date:

22/05/23

Shi G.K.L 22/5/23

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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.

Udhyami		
Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof. Udhyami M B	**Dr. P Ebby Darney**	**Dr. Balakrishna R**

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. C.P. Harshavardhan
2. Shivalingaiah K.L

Signature with date:

22/05/23

22/5/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the project work entitled **"AUTOMATIC HEADLIGHTS AND OBSTACLE DETECTOR"** carried out by **LIKITH J (1RR19EE012), MANOJ G (1RR19EE013), N LEELANJALI (1RR19EE015), SHAMBHAVI M N (1RR19EE024)** a bonafide students of **RAJARAJESWARI COLLEGE OF ENGINEERING** in partial fulfillment for the KSCST 45th series SSP. 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.

Prof. AVINASH C M	**Dr.P.EBBY DARNEY**	**Dr. BALAKRISHNA. R**
EEE	Prof. and HOD,	PRINCIPAL
RRCE, BANGALORE	EEE RRCE, BANGALORE	BANGALORE

Principal
RAJARAJESWARI
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Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	Signature with date
1. C.P. Harshavardhan	22/05/23
2. Shivalingaiah. K.L	22/5/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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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 (1RR19EE002), CHANDAN K J (1RR19EE007), MANOJ KUMAR R (1RR19EE014), SUHAS B (1RR19EE027)** 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	**Dr.P.EBBY DARNEY**	**Dr. BALAKRISHNA. R**
EEE	Prof. and HOD,	PRINCIPAL
RRCE, BANGALORE	EEE RRCE, BANGALORE	BANGALORE

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External Viva

Name of the examiners	Signature with date
1. C.P. Hariravandran	22/8/23
2. Shivalingaiah K.L	22/8/23

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 (1RR19EE030) a bonafide students of **RAJARAJESWARI COLLEGE OF ENGINEERING** in partial fulfillment 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.

Prof. SHIVALINGAIAH K L Associate Professor RRCE, BANGALORE	Dr. P. EBBYDARNEY Prof and HOD, EEE RRCE, BANGALORE	Dr. Balakrishna R PRINCIPAL RRCE, BANGALORE PRINCIPAL RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7
Name of the examiners	**External Viva**	Signature with date
1. C.P. Harshavardhan		2/10/23
2. Shivalingaiah. K.L		2/10/23

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(1RR19EE019),PURUSHOTHAM V (1RR19EE023),RAKESH G(1RR19EE023),SNEHA G(1RR19EE023)** 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	Signature of the HOD	Signature of the Principal
PROF.SINCY ELEZEBETH KURUVILLA	**Dr P Ebby Darney**	**Dr.Balakrishna R**
	External Viva	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

Name of the Examiners: **Signature with date:**

1. C.P Harshavardhan 22/8/23
2. Shivalingaiah KE 22/8/23

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 **"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.

09/05/23

Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof. Prutha G	**Dr P Ebby Darney**	**Dr. Balakrishna R**

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners:

1. C.P. Harshavardhan
2. Shivalingaiah.KL

Signature with date:

22/05/23

22/5/23

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 **"Generation of Electricity by Wind Tree"** carried out by **CHANNE GOWDA K(1RR19EE008), KUMAR MANIKANTA (1RR19EE011), PREM SAGAR (1R19EE021), V VAMSI (1RR19EE029)** 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.

22/5		
Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof. Nandini N	**Dr P Ebby Darney**	**Dr.Balakrishna R**

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. C.P. Harshavardhan
2. Shivalingaiah

Signature with date:

22/04/23

22/5/23

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 (1RR19EE016), SANJAY YADAV N (1RR20EE400), BHOOMIKA J (1RR19EE005), VENU GOPAL (1RR18EE033)** 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	Signature of the HOD	Signature of the Principal
Pro f. Prutha G	**Dr P Ebby Darney**	**Dr.Balakrishna R**
		Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74
	External Viva	

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.

Pavithra 7/8/23

Project Guide

Prof. Pavithra N
Assistant Professor
Dept. of ISE
RRCE,Bengaluru

12/7/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BENGALORE - 560 074.

Head of Department

Prof. Dr.Amutharaj Joyson
Head of Department
Dept. of ISE
RRCE,Bengaluru

External Viva

Name of the Examiners	Signature with Date
1. Dr J. Amutharaj	13/7/2023
2. Shridevi Sali	13/07/2023

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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 **"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.

Pavithra N 12/7/23	12/7/2023	Sinchana M.N 12/7/23
Signature of Coordinator	**Signature of HOD**	**Signature of Guide**
Mrs. PAVITHRA N	**Dr. AMUTHARAJ**	**Ms. Sinchana M N**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	ASP, Dept of ISE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J.AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560074.

External Viva-Voce

Name of the examiners:	*Signature with date*
1. Dr J. Amutharaj	13/7/2023
2. Shridevi. Sal:	13/07/2023

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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 **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.

.....
Signature of Guide
Mr.DineshKumar M
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

12/7/2023
Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

Dr. J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

External Viva

Name of the examiners	**Signature with date**
1. Shrideri sali	13/07/2023
2.	.....

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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 **"PHARMACY MANAGEMENT SYSTEM"** carried out by **ANUSHA MAHESH(1RR20IS004),** 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 InternalAssessment 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 prescribedfor the said Degree.

11/7/2023

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074

.....
Signature of Guide
Mrs. Neha Singhal
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

.....
Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1. Dr. J. AMUTHARAJ	13/7/2023
2. Shrideni Sali	13/07/2023

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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 **"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.

Pavithra N 7/2/23	12/7/2023	Sinchana M.N 12/7/23
Signature of Coordinator	**Signature of HOD**	**Signature of Guide**
Mrs. PAVITHRA N	**Dr. AMUTHARAJ**	**Ms. Sinchana M N**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	ASP, Dept of ISE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr J. Amutharaj	13/7/2023
2. Shridevi. Sali	13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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(1RR20IS006),** 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.

12/7/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., MIE
Professor
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Signature of the GUIDE

Prof.,DINESHKUMAR . M
Assistant Prof., Dept of ISE
RRCE,Bengaluru

Signature of HOD

DR. J AMUTHARAJ
HOD, Dept of ISE
RRCE,Bengaluru

External Viva

Name of the examiners	**Signature with date**
1. Dr.J. Amutharaj	13/7/2023
2. Shrideni Sali	13/07/2023

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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 **"PHARMACY MANAGEMENT SYSTEM"** carried out by **DEEPTI R(1RR20IS007),** 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.

11/7/2023

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

.....
Signature of Guide
Mrs. Neha Singhal
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

.....
Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

External Viva

Name of the examiners	Signature with date
1. Dr. J. Amutharaj	13/7/2023
2. Shrideví Sali	13/07/2023

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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 "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.

13/07/2023	11/7/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
[Asst. Prof Yamunashree]	**[Dr. J Amutharaj]**	**[Dr. K Balakrishna]**
Dept of ISE	**Prof. and Head of Dept, ISE**	**Principal,**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners	**Signature of the Examiner**
1. Shridevi Sali	1. 13/07/2023
2. _____	2. _____

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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 "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.

12/7/2023	11/7/2023	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74
Signature of Guide	**Signature of HOD**	**Signature of Principal**
[Asst. Prof Yamunashree]	**[Dr. J Amutharaj]**	**[Dr. R Balakrishna]**
Dept of ISE	**Prof. and Head of Dept, ISE**	**Principal,**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J. Amutharaj	1. 13/7/2023
2. Shridevi. Sali	2. 13/07/2023

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Rajarajeswari College Of Engineering

Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

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.

13/7/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Project Guide

Asst.Prof.RathiDevi T
Assistant.
Professor Dept.
of ISE, RRCE,
Bangalore.

Head of Department

Dr. Amutharaj J
Professor and HOD
Dept. of ISE, RRCE,
Bangalore.

External Viva

Name of the Examiners

1. Dr J. Amutharaj
2. Shridevi. Sali

Signature with Date

13/7/2023

13/07/2023

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Rajarajeswari College Of Engineering

Kumbalagodu, Bengaluru-560074

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled **"COACHING INSTITUTE MANAGEMENT SYSTEM"** 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** 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.

Head of Department

13/7/2023

Dr. Amuthraj J
Professor and HOD
Dept. of ISE, RRCE,
Bangalore.

External Viva

Name of the Examiners	Signature with Date
1. Dr J. AMUTHARAJ	13/7/2023
2. Shridevi Sali	13/07/2023

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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.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 Guide	**Signature of HOD**	**Signature of Principal**
Mrs.RATHIDEVI T	**Dr. J AMUTHARAJ**	**Dr.R.BALAKRISHNA**
AP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J. AMUTHARAJ M.E., PH.D., FIE.
Professor & HOD
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
Bangalore-560 074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr J. AMUTHARAJ	13/7/2023
2. Shridevi. Sali	13/07/2023

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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.

Signature of Guide	**Signature of HOD**	**Signature of Principal**
Mrs.RATHIDEVI T	**Dr. J AMUTHARAJ**	**Dr.R.BALAKRISHNA**
AP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr J. AMUTHARAJ	13/7/2023
2. Shridevi. Sali	13/07/2023

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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.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	**Signature of HOD**	**Signature of Principal**
Mrs.RATHIDEVI T	**Dr. J AMUTHARAJ**	**Dr.R.BALAKRISHNA**
AP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

13/7/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bangaluru-7

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr J. Amutharaj	13/7/2023
2. Strideri. Sal?	13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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.

.....	13/7/2023
Signature of GUIDE	Dr.J.AMUTHARAJ, M.E., Ph.D., FIE Professor & Head Dept. of Information Science & Engineering RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE-560 074. **Signature of HOD**
Prof. DINESHKUMAR M	**Dr. J.AMUTHARAJ**
Assistant Prof., Dept of ISE	HOD, Dept of ISE
RRCE, Bengaluru	RRCE, Bengaluru

External Viva

Name of the examiners	**Signature with date**
1. Dr. J. Amutharaj	13/7/2023
2. Shridevi. Sali	13/07/2023

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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 **"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.

Signature of Coordinator	Signature of HOD	Signature of Guide
Mrs. PAVITHRA N	**Dr. AMUTHARAJ**	**Ms. Sinchana M N**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Ast, prof. Dept of ISE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners:	*Signature with date*
1. Dr J. Amutharaj	13/7/2023
2. Shridevi. Sali	

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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.

12/7/2023

Dr.J.AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE

Pavithra N 12/7/23

Signature of Guide
[Mrs. Pavithra N]
Assit.Prof, Dept of ISE
RRCE Bangalore.

Signature of HOD
[Dr. J Amutharaj]
Prof., and Head of ISE
RRCE Bangalore.

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J. Amutharaj	1. 13/7/2023
2. Shridevi. Sali	2. 13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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 **M.VASITHA**, 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.

Signature of Guide

[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

Signature of HOD

[Dr. J. Amutharaj]

Dr.J. AMUTHARAJ M.E., Ph.D., F.I.E.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

HOD, Dept of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

Dr J Amutharaj

Shrideri. Sali

SIGNATURE WITH DATE:

13/7/2023

13/01/2023

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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)

KNOWLEDGE IS POWER

Department of Information Science & Engineering

CERTIFICATE

Certified that the project work entitled "EMPLOYEE MANAGEMENT SYSTEM" carried out by Manasa B J (1RR20IS019), 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.

Pavithra N 12/7/23	12/7/2023	12/7/2023
Signature of Coordinator	**Signature of Guide**	**Signature of HOD**
[Mrs. Pavithra N]	**[Dr. J Amutharaj]**	**[Dr. J Amutharaj]**
Asst.Prof. Dept of ISE	**Prof. and HOD of ISE**	**Prof. and HOD of ISE**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

Dr.J. AMUTHARAJ, B.E., Ph.D., F.E.
Dept. of Information Science & Engineering
Rajarajeswari College of Engineering
BANGALORE - 560 074.

External Viva

Name of the Examiners	**Signature of the Examiner**
1. Dr J. Amutharaj	1. 13/7/2023
2. Shridevi Sali	2. 13/07/2023

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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 **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.

11/7/2023	11/7/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr AMUTHARAJ J	**Dr AMUTHARAJ J**	**Dr R. BALAKRISHNA**
Prof & HOD, Dept of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bangaluru-7

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr. J. Amutharaj	13/7/2023
2. Srideni. Sali	13/07/2023

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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.

11/7/2023	11/7/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr AMUTHARAJ J	**Dr AMUTHARAJ J**	**Dr R. BALAKRISHNA**
Prof & HOD, Dept of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Bengaluru-7

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr J. Amutharaj	13/7/2023
2. Shridevi. Sali	13/07/2023

Scanned with OKEN Scanner

RAJARAJESWARI COLLEGE OF ENGINEERING

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 **MUBASHIR AHMAD GUJIRI (1RR20IS023)** 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

.....13/7/2023

Signature of HOD
Dr. J Amutharaj
HOD, Dept. of ISE
RRCE, Bangalore

External Viva

Name of the examiners

1. Dr. J. Amutharaj
2. Shridevi. Sali

Signature with date

.....13/7/2023

.....13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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 **MUDASIR HASHMAT WANI (1RR20IS024)** 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

.....13/7/2023

Signature of HOD
Dr. J Amutharaj
HOD, Dept. of ISE
RRCE, Bangalore

External Viva

Name of the examiners	**Signature with date**
1. Dr. J. Amutharaj	13/7/2023
2. Shridevi Sali	13/07/2023

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RAJARAJESHWARICOLLEGEOFENGINEERING
Kumbalagodu,Bengaluru-560074

DEPARTMENTOFINFORMATIONSCIENCEANDENGINEERING

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 **Nandan G Shetty(1RR20IS025)** 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.

Pavithraa 12/7/23

Project Guide

Prof.PavithraN
AssistantProfessor
Dept. of ISE
RRCE,Bengaluru

Amutharaj 12/7/2023

Head of Department

Prof.Dr.Amutharaj Joyson
Head of Department
Dept. ofISE
RRCE,Bengaluru

ExternalViva

NameoftheExaminers	SignaturewithDate
1.	
2. Shridevi. Sali	13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Pavithra N

Signature of Guide

[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

13/7/2023

Signature of HOD

[Dr. J. Amutharaj]

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE
Professor & Head
Dept. of ISE
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

HOD, Dept of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

SIGNATURE WITH DATE:

.....

Shridevi. Sali

.....

13/07/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

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 **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.

.....	..... 13/1/2023
Signature of the GUIDE	**Signature of HOD**
Prof.,DINESHKUMAR . M Assistant Prof., Dept of ISE RRCE,Bengaluru	DR. J AMUTHARAJ HOD, Dept of ISE RRCE,Bengaluru

External Viva

Name of the examiners	**Signature with date**
1.	.....
2. ...Shrideni Sali	..... 13/01/2023

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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 "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	**Signature of HOD**	**Signature of Coordinator**
[Mrs. Rathi Devi]	**[Dr. J Amutharaj]**	**[Mrs , Pavithra N]**
Asst.Prof, Dept of ISE	**Prof., and Head of Dept, ISE**	**Asst.Prof, Dept of ISE ,**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J Amutharaj	1.
2. Ramachandra M K	2.

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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 "EMPLOYEE MANAGEMENT SYSTEM" carried out by Pooja J (1RR20IS029), 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.

Pavithra N	Amutharaj	Amutharaj 12/7/2023
Signature of Coordinator	**Signature of Guide**	**Signature of HOD**
[Mrs. Pavithra N]	**[Dr. J Amutharaj]**	**[Dr. J Amutharaj]**
Asst.Prof. Dept of ISE	**Prof. and HOD of ISE**	**Prof. and HOD of ISE**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

Dr.J. AMUTHARAJ, M.E., Ph.D.,
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

External Viva

Name of the Examiners	**Signature of the Examiner**
1. Dr J. AMUTHARAJ	1. Amutharaj 14/7/2023
2. Mr Ravishankar. K	2.

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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.

Pavithra N 14/7/23
Project Guide

Prof. Pavithra N
Assistant Professor
Dept. of ISE
RRCE,Bengaluru

14/7/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., F.I.E.
Dept. of Information Science & Engineering
RAJARAJESHWARI COLLEGE OF ENGINEERING
BANGALORE-560074
Head of Department

Prof. Dr.Amutharaj Joyson
Head of Department
Dept. of ISE
RRCE,Bengaluru

External Viva

Name of the Examiners	Signature with Date
1. Dr J. Amutharaj	14/7/2023
2. Paresh Aramack	

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RAJARAJESWARI COLLEGE OF ENGINEERING
MYSORE ROAD, BENGALURU-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

"ELECTRONIC STORE MANAGEMENT SYSTEM"

Carried out by

PRATWISH NAIK(1RR20IS031)

Certified that the Mini-project work entitled **"Electronic Store Management System"** is a bonafide, are Bonafide students of **Rajarajeshwari 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.

Pavithra N 12/7/23

Prof. Pavithra N
Asst. Professor
Dept. of ISE, RRCE

Amutharaj 12/7/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., FIE
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Dr. J Amutharaj
Professor & Head
Dept. of ISE, RRCE

1 Internal Examiner:

Dr. J. AMUTHARAJ
Amutharaj 14/7/2023
Purushotharaj

2 External Examiner:

Prof. Purushotharaj
AP, DBIT, Btore

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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 "Vehicle Parking Management System" carried out by PRERANA M R (1RR20IS032), 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.

14/7/2023

14/7/23

Signature of Guide
Prof . Sinchana M N
Asst. Prof, Dept. of ISE
RRCE, Bangalore-74

Dept. of ISE
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

External Viva

Name of the examiners

Signature with date

1. Dr. J. Amutharaj 14/7/2023
2. ....

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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 **"PHARMACY MANAGEMENT SYSTEM"** carried out by **RACHANA D SHETTY(1RR20IS033)**, 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 InternalAssessment 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.

11/7/2023

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

.....
Signature of Guide
Mrs. Neha Singhal
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

.....
Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

External Viva

Name of the examiners

1. Dr. J. AMUTHARAJ
2. .....

Signature with date

11/7/2023

.....

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 "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.

Faculty 12/7/23	12/7/2023	12/7/2023
Signature of Coordinator	**Signature of Guide**	**Signature of HOD**
[Mrs. Pavithra N]	**[Dr. J Amutharaj]**	**[Dr. J Amutharaj]**
Asst.Prof. Dept of ISE	**Prof. and HOD of ISE**	**Prof. and HOD of ISE**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

External Viva

Name of the Examiners	**Signature of the Examiner**
1. Dr J. Amutharaj	1. 14/7/2023
2. Rajeshwari	2.

Scanned with OKEN Scanner

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, RAVI KUMAR N (1RR20IS035) 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.

Pavithra N 12/7/23

Signature of Guide
[Mrs. Pavithra N]
Assit.Prof, Dept of ISE
RRCE Bangalore.

12/7/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074

Signature of HOD
[Dr. J Amutharaj]
Prof., and Head of ISE
RRCE Bangalore.

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J. AMUTHARAJ	1. 14/7/2023
2. [illegible]	2.

Scanned with OKEN Scanner

RAJARAJESWARI COLLEGE OF ENGINEERING

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 **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.

Pavithra.N 14/7/23

Signature of Guide

[Mrs.Pavithra.N]

Associate prof., Dept. of ISE, RRCE

14/7/2023

Signature of HOD

[Dr. J. Amutharaj]

Dr.J. AMUTHARAJ, M.E., Ph.D., F.I.E.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

HOD, Dept of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:

Dr.J. Amutharaj

Pavithra.N

SIGNATURE WITH DATE:

14/7/2023

.....

Scanned with OKEN Scanner

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.

12/7/2023

Dr.J.AMUTHARAJ, M.E., PH.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

Pavithra 12/7/23

Signature of Guide
[Mrs. Pavithra N]
Assit.Prof, Dept of ISE
RRCE Bangalore.

Signature of HOD
[Dr. J Amutharaj]
Prof., and Head of ISE
RRCE Bangalore.

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J. Amutharaj	1. 12/7/2023
2. Pavithra	2.

Scanned with OKEN Scanner

RAJARAJESWARI COLLEGE OF ENGINEERING

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 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.

Pavithra N 12/7/23

Prof. Pavithra N
Asst. Professor
Dept. of ISE, RRCE

12/7/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., FIE
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Dr. J Amutharaj
Professor & Head
Dept. of ISE, RRCE

1 Internal Examiner:

12/7/2023

2 External Examiner:

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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 "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.

14/7/23

Signature of Guide
[Mrs. Rathi Devi]
Asst.Prof, Dept of ISE
RRCE, Bangalore.

14/7/2023

Signature of HOD
[Dr. J Amutharaj]
Prof., and Head of Dept, ISE
RRCE, Bangalore.

Pavithran 14/7/23.

Signature of Coordinator
[Mrs , Pavithra N]
Asst.Prof, Dept of ISE ,
RRCE, Bangalore.

External Viva

Name of the Examiners

1. Dr J. AMUTHARAJ
2. Pavithra

Signature of the Examiner

1. 14/7/2023
2.

Scanned with OKEN Scanner

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. 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	**Signature of HOD**	**Signature of Coordinator**
[Mrs. Rathi Devi]	**[Dr. J Amutharaj]**	**[Mrs , Pavithra N]**
Asst.Prof, Dept of ISE	**Prof., and Head of Dept, ISE**	**Asst.Prof, Dept of ISE ,**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

External Viva

Name of the Examiners	Signature of the Examiner
1. Dr J. Amutharaj	1.
2. Ramachandra	2.

Scanned with OKEN Scanner

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 **SINDHU P** , 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.

12/7/2023	12/7/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr AMUTHARAJ J	**Dr AMUTHARAJ J**	**Dr R. BALAKRISHNA**
Prof & HOD, Dept of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dr.J. AMUTHARAJ	12/7/2023
2. Prabhakar	

Scanned with OKEN Scanner

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.

.....
Signature of Guide
Mr.DineshKumar M
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

12/7/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., MIE.
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.
.....
Signature of HOD
Dr. J Amutharaj
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

External Viva

Name of the examiners	Signature with date
1. Dr. J. Amutharaj	12/7/2023
2. Pushpa Ravikumar	

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RAJARAJESWARI COLLEGE OF ENGINEERING

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 (1RR20IS043)** 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.

.....	..... 14/7/2023
Signature of Guide	**Signature of HOD**
Dr. Neha Singhal	**Dr. J Amutharaj**
Prof. Dept of ISE	HOD, Dept. of ISE
RRCE, Bangalore	RRCE, Bangalore

External Viva

Name of the examiners	**Signature with date**
1. Dr. J. Amutharaj	..... 14/7/2023
2.	.....

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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)

KNOWLEDGE IS POWER

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.

14/7/23	14/7/2023	Pavithra 14/7/23
Signature of Guide	**Signature of HOD**	**Signature of Coordinator**
[Mrs. Rathi Devi]	**[Dr. J Amutharaj]**	**[Mrs , Pavithra N]**
Asst.Prof, Dept of ISE	**Prof., and Head of Dept, ISE**	**Asst.Prof, Dept of ISE ,**
RRCE, Bangalore.	**RRCE, Bangalore.**	**RRCE, Bangalore.**

External Viva

Name of the Examiners	**Signature of the Examiner**
1. Dr J. AMUTHARAJ	1. 14/7/2023
2. [illegible]	2.

Scanned with OKEN Scanner

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Pavithra N 12/7/23

Prof. Pavithra N
Asst. Professor
Dept. of ISE, RRCE

12/7/2023
Dr.J.AMUTHARAJ, M.E., Ph.D., FIE
Professor & Head
Dept. of Information Science & Engineering
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Dr. J Amutharaj
Professor & Head
Dept. of ISE, RRCE

14/7/2023

1 Internal Examiner:

Dr J. Amutharaj

2 External Examiner:

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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 " 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	**Signature of HOD**	**Signature of Principal**
Dr. Subburaj T	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

30/1/2023

External Viva

Name of the examiners	**Signature with date**
1. Dr. Chethan. K.C	Dr. Chethan. K.C
2.	

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

.....	..... 30/11/2023	..... 30/11/23
Signature of Coordinator	**Signature of HOD**	**Signature of Principal**
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Name of the examiners:	***Signature with date***
1. Dinesh Kumar M	M Dinesh 30/11/2023
2. Dr. Chethan K.C	Dr. Chethan K.C

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 "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 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.H.N
25/01/23
Signature of Guide

Ms. Sinchana M N
Asst Prof., Dept. of ISE,
RRCE, Bangalore-74

30/1/2023
Signature of HOD

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

Dr. Neha Singhal
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

Signature of Principal

Principal
Rajarajeswari College of Engineering
Bangalore-560 074

Dr. Balakrishna R
Principal,
RRCE, Bangalore-74

COLLEGE OF ENGINEERING
Kamohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Bharathkumara.M	30/1/2023
2. Dr. Chethan. K.C	Dr. Chethan. K.C

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 "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by **ANUSHA MAHESH (1RR20IS004),** 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.

23/1/23	23/1/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Ms. Sinchana M N	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal, RRCE, Bangalore-74

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Dinesh Kumar M	2/2/2023
2. Dr. Chethan. K.C	Dr. Chethan. K.C

RAJARAJESWARI COLLEGE OF ENGINEERING

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	**Signature of HOD**	**Signature of Principal**
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Name of the examiners:	***Signature with date***
1.	
2. Dr. Chethan. K.C	Dr. Chethan. K.C

RAJARAJESWARI COLLEGE OF ENGINEERING

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(1RR20IS006),** 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.

Professor & Head
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

Signature of Co-ordinator	Signature of HOD	Signature of Principal
Dr T SUBBURAJ	**Dr. NEHA SINGHAL**	**Dr. R BALAKRISHNA**
Associate Prof., Dept of ISE	HOD, Dept of ISE	PRINCIPAL
RRCE, Bengaluru	RRCE, Bengaluru	RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	Signature with date
1. Dineshkumar V M	2/12/2023
2. Dr. Chethan. K.C	Dr Chethan. K.C

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 "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by **DEEPTI R (1RR20IS007),** 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.

23/01/23	23/01/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Ms. Sinchana M N	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Dhanushkumar M	
2. Dr. Chethan. K.C	Dr. Chethan K.C

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.

Signature of Guide	Signature of HOD	Signature of Principal
[Dr. T. Subburaj]	[Dr. Neha Singhal]	[Dr. R Balakrishna]
[Asst. Prof, Dept of ISE	Prof. and Head of Dept, ISE	Principal,
RRCE, Bangalore.	RRCE, Bangalore.	RRCE, Bangalore.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Kamohalli Cross, Bengaluru-7

External Viva

Name of the Examiners	Signature of the Examiner
1.	1.
2. Dr. Chethan. K.C	2. Dr. Chethan. K.C

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 Divyashree G (1RR20IS009), 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.

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

30/11/23

Signature of Guide	Signature of HOD	Signature of Principal
[Dr. T. Subburaj]	[Dr. Neha Singhal]	[Dr. R Balakrishna]
[Asst. Prof, Dept of ISE	Prof. and Head of Dept, ISE	Principal,
RRCE, Bangalore.	RRCE, Bangalore.	RRCE, Bangalore.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners	Signature of the Examiner
1. Dinesh Kumar. M	1.
2. Dr. Chethan. K.C	2. Dr. Chethan. K.C

RAJARAJESWARI COLLEGE OF ENGINEERING

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 (1RR20IS010)** 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	Signature of HOD	Signature of Principal
Dr. T. SUBBURAJ	**Dr. NEHA SINGHAL**	**Dr. R. BALAKRISHNA**
Asst.Prof. Dept of ISE, RRCE, Bangalore	Prof.&HOD, Dept of ISE, RRCE, Bangalore	Principal RRCE, Bangalore

External viva-voce

Name of the Examiners	Signature with Date
1)	
2)	

RAJARAJESWARI COLLEGE OF ENGINEERING

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 (1RR20IS011)** 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	Signature of HOD	Signature of Principal
Dr. T. SUBBURAJ Asst.Prof. Dept of ISE, RRCE, Bangalore	**Dr. NEHA SINGHAL** Prof.&HOD, Dept of ISE, RRCE, Bangalore	**Dr. R. BALAKRISHNA** Principal RRCE, Bangalore

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External viva-voce

Name of the Examiners	Signature with Date
1)	
2)	

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560074

Signature of Coordinator	Signature of HOD	Signature of Principal
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners:	*Signature with date*
1. Dhanalakumar M	3/2/2023
2. Dr. Chethan. K.C	3/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Professor
Dept. of Information Science & Engineering
Rajarajeswari College of Engineering
Bangalore-560074

Signature of Coordinator	Signature of HOD	Signature of Principal
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners:	*Signature with date*
1. Dhanalakumar M	
2. Dr. Chethan K.C	

RAJARAJESWARI COLLEGE OF ENGINEERING

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 **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	**Signature of HOD**	**Signature of Principal**
Dr T SUBBURAJ	**Dr. NEHA SINGHAL**	**Dr. R BALAKRISHNA**
Associate Prof., Dept of ISE	HOD, Dept of ISE	PRINCIPAL
RRCE, Bengaluru	RRCE, Bengaluru	RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1.	
2. Dr. Chethan K.C	3/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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	Signature of HOD	Signature of Principal
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners:	*Signature with date*
1.	
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 LOHITH T V (1RR20IS017), 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.

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

30/1/2023

30/1/23

Signature of Coordinator
Dr. T Subburaj
Assistant Professor,ISE
RRCE, Bangalore

Signature of HOD
Dr. Neha Singhal
Head of Dept, ISE
RRCE, Bangalore

Signature of Principal
Dr. R Balakrishna
Principal
RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners

1. [illegible]
2. Dr. Chethan K.C

Signature of the Examiners with date

1. [illegible] 5/2/2023
2. [illegible] 3/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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 M VASITHA,** 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.

Signature of Guide

[Dr.SUBBURAJ.T]

Associate prof., Dept. of ISE, RRCE

Signature of HOD

[Dr.NEHASINGHAL]

HOD, Dept of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:	**SIGNATURE WITH DATE:**
1.	1.
2. Dr Chethan K.C	2.

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

MANASA B J (1RR20IS019)

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 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	Signature of HOD	Signature of Principal
[Dr.T. SUBBURAJ]	**[Dr.NEHA SINGHAL]**	**[Dr.R.BALAKRISHNA]**
Asst.Prof. Dept of ISE RRCE, Bengaluru	Prof &HOD Dept of ISE RRCE, Bengaluru	Principal RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Jamohalli Cross, Bengaluru-7

EXTERNAL VIVA-VOCE

Name of the examiners	Signature with Date
1. Dinesh Kumar.M	5/7/23
2. Dr. Chethan K.C	5/7/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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 (1RR20IS020)** 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	Signature of HOD	Signature of Principal
Dr. T. SUBBURAJ Asst.Prof. Dept of ISE, RRCE, Bangalore	**Dr. NEHA SINGHAL** Prof.&HOD, Dept of ISE, RRCE, Bangalore	**Dr. R. BALAKRISHNA** Principal RRCE, Bangalore

External viva-voce

Name of the Examiners	Signature with Date
1)	
2) Dr. Chethan K.C	

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 "EVENT MANAGEMENT SYSTEM" carried out by MEGHANA C V **(1RR20IS021),** 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	**Signature of HOD**	**Signature of Principal**
Dr. Subburaj T Asst Prof., Dept. of ISE RRCE, Bangalore-74	**Dr. Neha Singhal** Prof. and Head, Dept of ISE RRCE, Bangalore-74	**Dr. Balakrishna R** Principal RRCE, RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1.	
2 Dr. Chethan K C	

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	Signature of HOD	Signature of Principal
DR. T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
Asst.Prof. Dept if ISE	Prof. & HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA-VOCA

Name of the examiners:	Signature with date
1. Dinesh kumar S.M	
2. Dr. Chethan K.C	

RAJARAJESHWARI COLLEGE OF ENGINEERING

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

Signature of the HOD
Dr. Neha Singhal
Head of Dept. ISE

External Viva
Name and Signature of the Examiners

1. 3/2/2023

2. Dr. Chethan K.C 3/2/23

RAJARAJESHWARI COLLEGE OF ENGINEERING

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

30/11/2023
Signature of the HOD
Dr. Neha Singhal
Head of Dept. ISE

External Viva
Name and Signature of the Examiners

Dr Chethan K.C 3/12/23

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 " ONLINE VOTING MANAGEMENT SYSTEM " carried out by **NANDAN G SHETTY (1RR20IS025)**, 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	**Signature of HOD**	**Signature of Principal**
Dr. Subburaj T	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal RAJARAJESWARI COLLEGE OF ENGINEERING RRCE, Bangalore-74 Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1.	
2. Dr. Chethan 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 **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	**Signature of HOD**	**Signature of Principal**
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Name of the examiners:	*Signature with date*
1 Divakumar M	3/1/2023
2 Dr. Chethan K.C	3/1/23

RAJARAJESWARI COLLEGE OF ENGINEERING
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	Signature of HOD	Signature of Principal
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore
		RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Name of the examiners:	*Signature with date*
1 Dheeraj kumar.M	
2 Dr. Chethan. K.C	3/5/23

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 "**Airline Reservation System** " carried out by **PANENDRA R (1RR20IS028),** 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	Signature of HOD	Signature of Principal
Dr.T.Subburaj	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Assoc Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal RRCE, Bangalore-74

External Viva

Name of the examiners	Signature with date
1.	
2.	

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	Signature of HOD	Signature of Principal
Dr.T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
ASP, Dept. of ISE	Prof. &HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Name of the examiners:	*Signature with date*
1	
2	

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 " ONLINE VOTING MANAGEMENT SYSTEM " carried out by **PRAJWAL R (1RR20IS030),** 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.

.....	..... 31/01/2023	.....
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Subburaj T	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal RAJARAJESWARI RRCE, Bangalore-74 Ramohalli Cross, Bengaluru-7

External Viva

Name of the examiners	**Signature with date**
1. Dinesh Kumar M	.....
2. Dr. Chethan K.C	..... 4/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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

Professor & HOD
Dept. of Information Science & Engg
Rajarajeswari College of Engineering
Bangalore - 560 074.

.....	.....
Signature of Guide	**Signature of HOD**
[Dr. Subburaj T]	**[Dr.Neha Singhal]**
Assistant Professor, Dept. Of ISE	Prof. & HOD, Dept. of ISE
RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners	Signature with date
1. Dinesh Kumar M	1. [signature] 4/2/2023
2. Dr. Chethan K	2. [signature] 4/2/23

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 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	Signature of HOD	Signature of Principal
DR. T. SUBBURAJ	**Dr.NEHA SINGHAL**	**Dr.R.BALAKRISHNA**
Asst.Prof. Dept if ISE	Prof. & HOD, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

EXTERNAL VIVA-VOCA

Name of the examiners:	Signature with date
1.	
2. Dr. Chethan K-C	4/2/23

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 "CRIMINAL RECORDS MANAGEMENT SYSTEM" carried out by **RACHANA D SHETTY (1RR20IS033),** bonafide student of **Rajarajeswari College of Engineering in** partial fulfilment for the award of **Bachelorof 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	23/01/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Ms. Sinchana M N	**Dr. Neha Singhal**	**Dr. Balakrishna R**
Asst Prof., Dept. of ISE RRCE, Bangalore-74	Prof. and Head, Dept of ISE RRCE, Bangalore-74	Principal, RRCE, Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1. Dr. Shekhar M	4/2/2023
2. Dr chethan K.C	4/3/23

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.

.....	Professor & HOD Dept. of Information Science & Eng. Rajarajeswari College of Engineering Bangalore-560074	30/1/23 .....
Signature of Guide	Signature of HOD	Signature of Principal
[Dr.T. SUBBURAJ]	**[Dr.NEHA SINGHAL]**	**[Dr.R.BALAKRISHNA]**
Asst.Prof. Dept of ISE RRCE, Bengaluru	Prof &HOD Dept of ISE RRCE, Bengaluru	Principal RRCE, Bengaluru Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA-VOCE

Name of the examiners	Signature with Date
1. Dhesh Kumar	7/2/2023
2. Dr. Chethan. K.C	4/2/23

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 (1RR20IS035), 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	**Signature of HOD**	**Signature of Principal**
Dr. T Subburaj	Dr. Neha Singhal	Dr. R Balakrishna
Assistant Professor,ISE	Head of Dept, ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva

Name of the Examiners	**Signature of the Examiners with date**
1.	1.
2. Dr. Chethan. K.C	2. 4/7/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Signature of Guide

[Dr.SUBBURAJ.T]

Associate prof., Dept. of ISE, RRCE

30/11/2023

Signature of HOD

Professor & HOD
Dept. of ISE
Rajarajeswari College of Engineering
Bangalore - 560 074

[Dr.NEHASINGHAL]

HOD, Dept of ISE, RRCE

EXTERNAL VIVA-VOICE

NAME OF EXAMINERS:	SIGNATURE WITH DATE:
1. D Rajeshkumar M	1. 9/12/2023
2. Dr. Chethan. K C	2. 9/12/23

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 ROHAN S (1RR20IS037), 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	**Signature of HOD**	**Signature of Principal**
Dr. T Subburaj	Dr. Neha Singhal	Dr. R Balakrishna
Assistant Professor,ISE	Head of Dept, ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

30/1/2023

30/1/23

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Kumbalgodu

External Viva

Name of the Examiners	**Signature of the Examiners with date**
1. Dhanakumara M	1. 4/2/2023
2. Dr. Chethan K.C	2. 4/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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	**Signature of HOD**
[Dr. Subburaj T]	**[Dr.Neha Singhal]**
Assistant Professor, Dept. Of ISE	Prof. & HOD, Dept. of ISE
RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners	Signature with date
1. Dinesh kumar.M	1. 4/12/2023
2. Dr. Chethan K.C	2. 4/12/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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 Degree.

Signature of Co-Ordinator	Signature of HOD	Signature of Principal
Dr. T SUBBRAJ	**Dr. NEHA SINGHAL**	**Dr. R.BALAKRISHNA**
Associate Professor,	HOD, Dept of ISE	Principal
Dept of IS RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

External Viva

Name of the examiners	Signature with date
1.	
2. Dr. Chethan K.C	4/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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. 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.

Signature of Co-Ordinator	Signature of HOD	Signature of Principal
Dr. T SUBBRAJ	**Dr. NEHA SINGHAL**	**Dr. R.BALAKRISHNA**
Associate Professor,	HOD, Dept of ISE	Principal
Dept of IS RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore
	External Viva	

Name of the examiners	Signature with date
1.	
2. Dr Chethan K.C	4/2/23

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 "EVENT MANAGEMENT SYSTEM carried out by. SINDHU P **(1RR20IS041),** 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	**Signature of HOD**	**Signature of Principal**
Dr. Subburaj T Asst Prof., Dept. of ISE RRCE, Bangalore-74	**Dr. Neha Singhal** Prof. and Head, Dept of ISE RRCE, Bangalore-74	**Dr. Balakrishna R** Principal, RRCE, Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1. Dinesh Kumar M	
2 Dr. Chethan K.C	4/2/23

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 "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.

Sinchana M.N 25/01/23	30/1/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Ms. Sinchana M N Asst Prof., Dept. of ISE RRCE, Bangalore-74	**Dr. Neha Singhal** Prof. and Head, Dept of ISE RRCE, Bangalore-74	**Dr. Balakrishna R** Principal, RRCE, Bangalore-74 Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Dinesh Kumar S M	
2. Dr. Chethan. K.C	4/2/23

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 **"DAM WATER CONTROL MANAGEMENT SYSTEM"** carried out by THANUSH P (1RR20IS043), 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
Associate Professor,ISE
RRCE, Bangalore

2/02/2023
Signature of HOD
Dr. Neha Singhal
Head of the Dept.,ISE
RRCE, Bangalore

Signature of the Principal
Dr. R Balakrishna
Principal, RRCE,
Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the Examiners

1. M. Dinesh 4/2/2023
2. Dr. Chethan K.C

Signature of the Examiners with date

1. Dinesh Kumar M
2. 4/2/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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. 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	**Signature of HOD**	**Signature of Principal**
Dr. T SUBBRAJ	**Dr. NEHA SINGHAL**	**Dr. R.BALAKRISHNA**
Associate Professor,	HOD, Dept of ISE	Principal
Dept of IS RRCE, Bangalore	RRCE, Bangalore	RAJARAJESWARI COLLEGE OF ENGINEERING
	External Viva	RRCE, Bangalore
Name of the examiners		**Signature with date**
1.		
2. Dr. Chethan K.C		4/12/23

RAJARAJESWARI COLLEGE OF ENGINEERING

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

.....	..... 31/01/2023
Signature of Guide	**Signature of HOD**
[Dr. Subburaj T]	**[Dr.Neha Singhal]**
Assistant Professor, Dept. Of ISE	Prof. & HOD, Dept. of ISE
RRCE, Bangalore	RRCE, Bangalore

External Viva-Voce

Name of the examiners	Signature with date
1.	1.
2. Dr. Chethan K C	2. 9/2/23

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 Principal RRCE	4/5/2023 Signature of HOD Dr. NEHA SINGHAL HOD, Prof, DEPT of ISE RRCE	Signature of Principal Dr. R BALAKRISHNA Principal RRCE

EXTERNAL VIVA -VOCE

Examiners:

1 Dr. J. AMVAHARAJ

2 Ranjeet Kumar

Signature with date:

22/5/2023

Ranjeet 22/5/2023

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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 (1RR19IS011)

MONISHA K G (1RR19IS016)

NIDHIKSHA A (1RR19IS019)

NISHCHITHA K N (1RR19IS022)

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., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

Signature of the Guide
Dr. J. Amutharaj
Prof & Vice principal
Dept. of ISE
RRCE, Bangalore

Signature of the HOD
Dr. Neha Singhal
Prof. & HOD
Dept. of ISE
RRCE, Bangalore

Signature of Principal
Dr. R. Balakrishna
Principal
RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramphalli Cross, Bengaluru-7

External Viva-Voce

Examiners

1. Dr. J. AMUTHARAJ
2. Ranjeet Kumar

22/5/2023
Ranjeet
22/5/23

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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.

16/5/2023	16/5/2023	RBK
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Neha Singhal	**Dr. Neha Singhal**	**Dr. R. Balakrishna**
Associate Prof & HoD	Associate Prof. & HOD	Principal
Dept. of ISE,	Dept. of ISE,	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

Signature:

1. Dr. J. [illegible] 22/5/2023
2. Ranjeet Kumar Ranjeet 22/5/23

Scanned with OKEN Scanner

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 **"REAL TIME DRIVER DROWSINESS DETECTION USING MACHINE LEARNING"** carried out by **Chandan D(1RR19IS004),Balaji M (1RR19IS012), 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.

6/05/2023	06/05/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Neha Singhal	**Dr .Neha Singhal**	**Dr. R Balakrishna**
Assoc Prof. & HOD	Assoc. Prof. and HOD,	Prof & Principal
Dept. of ISE	Dept of ISE	RRCE,Bangalore-74
RRCE, Bangalore-74	RRCE,Bangalore-74	

External Viva

Name of the examiners	**Signature with date**
1. Dr. T. Amarnath Raj	22/5/2023
2. Ranjeet Kumar	22/5/23

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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

CERTIFICATE

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	Signature of HOD	Signature of Principal
Prof. Dineshkumar M Asst. Prof., Dept. of ISE RRCE, Bangalore	**Dr.Neha Singhal** Prof. and Head, Dept of ISE RRCE, Bangalore	**Dr. K Balakrishna** Principal RRCE, Bangalore

External Viva

Name of the examiners	Signature with date
1. A. T. Ammanavar	22/5/2023
2. Ranjeet Kumar	22/5/23

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 (1RR19IS027), Mr. PRAJWAL H.S (1RR19IS028), Mr. SACHIN R.M (1RR19IS033), Mr. SRINIVAS K (1RR18IS046)** 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	**Signature of HOD**	**Signature of Principal**
Mrs. T Rathi Devi	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Assistant Professor,	Associate Prof. and Head,	Professor & Principal,
Dept of ISE	Dept of ISE	Dept. of ISE
RRCE, BANGALORE	RRCE, BANGALORE	RRCE, BANGALORE

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli, Bengaluru-74

Examiners:	**External Viva-Voce**	**Signature**
1.	Dr J. Arunadevi	22/5/2023
2.	Ranjeet Kumar	22/5/23

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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.

28/4/2023	28/4/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr J Amutharaj, M.E, Ph.D, FIE Professor & Vice Principal, Dept. of ISE RRCE, Bangalore	**Dr. Neha Singhal** Professor & HOD, Dept. of ISE RRCE, Bangalore	**Dr. R Balakrishna** Professor & Principal, Dept. of ISE RRCE, Bangalore

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
... Cross, Bengaluru-74

Examiners: ***External Viva-Voce*** ***Signature***

1. Dr J. Amutharaj 22/5/2023
2. Ranjeet Kumar 22/5/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, 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 (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	Signature of the HOD	Signature of the Principal
Mrs. Vijayalaxmi Joshi	**Dr. NEHA SINGHAL**	**Dr. BALAKRISHNA**
Assistant Professor Department of ISE, RRCE, Bengaluru	Prof. & HOD, Department of ISE, RRCE, Bengaluru	Prof. & Principal, RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners:	Signature with date:
1. Dr. T. Ammanaraj	22/5/2023
2. Ranjeet Kumar	22/5/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

Kumbalgodu, Mysore Road, Bangalore- 560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

KNOWLEDGE IS POWER

CERTIFICATE

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.

Pavithra N		
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Pavithra N	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Dept. of ISE	Prof. and Head, Dept of ISE	Principal,
RRCE, Bangalore-74	RRCE, Bangalore-74	RRCE, Bangalore-74
		RAJARAJESWARI COLLEGE OF ENGINEERING Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1. Sheeba's	
2. Dineshkumar M	2023

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(1RR19IS026),BHAVANA.N(1RR18IS004) and SACHIN.M.RATHOD(1RR18IS040).**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.

Pavithra 8/5/23	8/5/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Pavithra.N Asst. Professor, Dept. of ISE, RRCE, Bengaluru	**Dr. Neha singhal** Prof & HOD, Dept. of ISE, RRCE, Bengaluru	**Dr. R.Balakrishna** Principal, RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Viva-voce

Examiners:

1. Sheebas

Dinesh Kumar.M

Signature:

27/5/2023

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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

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 (1RR19IS042),** 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.M.N
4/5/23

Signature of Guide
Prof. Sinchana M N
Asst. Prof., Dept. of ISE
RRCE, Bangalore-74

5/05/2023

Signature of HOD
Dr. Neha Singhal
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

Signature of Principal
Dr. R Balakrishna
Principal
RRCE, Bangalore-74

External Viva

Name of the examiners	Signature with date
1. Sheeba S	
2. Dinesh Kumar M	

Scanned with OKEN Scanner

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 "VIRTUAL MOUSE WITH VOICE ASSISTANCE" carried out by **A.R SHALINI (1RR19IS001), 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.

Sinchana.H.N
12/5/23
Signature of Guide
Prof.Sinchana M N
Asst. Prof., Dept. of ISE
Bangalore-74

23/05/2023
Signature of HOD
Dr.Neha Singhal
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

Signature of Principal
Dr.R Balakrishna
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
RRCE, Bangalore-74

External Viva

Name of the examiners	Signature with date
Sheeba's	23/5/23
Dhanalakumar.M	23/5/23

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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

CERTIFICATE

Certified that the project report entitled "VIRTUAL MOUSE WITH VOICE ASSISTANCE" carried out by **A.R SHALINI (1RR19IS001), 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.

Sinchana M.N
12/5/23
Signature of Guide
Prof.Sinchana M N
Asst. Prof., Dept. of ISE
Bangalore-74

22/05/2023
Signature of HOD
Dr.Neha Singhal
Prof. and Head, Dept of ISE
RRCE, Bangalore-74

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

External Viva

Name of the examiners	**Signature with date**
Sheebas	23/5/23
Dibesh Kumar	23/5/2023

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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

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 (1RR19IS042),** 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.M.N 4/5/23	03/05/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Sinchana M N	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Asst. Prof., Dept. of ISE	Prof. and Head, Dept of ISE	Principal,
RRCE, Bangalore-74	RRCE, Bangalore-74	RRCE, Bangalore-74

HOD Professor & Head Dept. of Information Science & Engg. Rajarajeswari College of Engineering Bangalore-74

Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Sheebas	25/5/23
2. Dinesh Kumar M V	25/5/23

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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(1RR19IS026),BHAVANA.N(1RR18IS004) and SACHIN.M.RATHOD(1RR18IS040).**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.

Pavithra N 8/5/23	8/5/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Pavithra.N Asst. Professor, Dept. of ISE, RRCE, Bengaluru	**Dr. Neha singhal** Prof. & HOD, Dept. of ISE, RRCE, Bengaluru	**Dr. R.Balakrishna** Principal, RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Prof. & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

Viva-voce

Examiners: ***Signature:***

1. Sheebas 8/5/23
2. Dhanalakumaran 8/5/23

RAJARAJESWARI COLLEGE OF ENGINEERING

Kumbalgodu, Mysore Road, Bangalore- 560074

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

KNOWLEDGE IS POWER

BANGALORE

CERTIFICATE

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.

Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Pavithra N	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Dept. of ISE	Prof. and Head, Dept of ISE	Principal
RRCE, Bangalore-74	RRCE, Bangalore-74	RRCE, Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1. Sheeba K	23/5/23
2. Dineshkumar M	23/5/2023

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RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, 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 (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	Signature of the HOD	Signature of the Principal
Mrs. Vijayalaxmi Joshi	**Dr. NEHA SINGHAL**	**Dr. BALAKRISHNA**
Assistant Professor Department of ISE, RRCE, Bengaluru	Prof. & HOD, Department of ISE, RRCE, Bengaluru	Prof. & Principal, RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Name of the Examiners: **Signature with date:**

1. Dr J. Amsaraj 22/05/2023
2. Ranjeet Kumar 22/5/2023

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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.

29/4/2023	2/05/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr J Amutharaj, M.E., Ph.D., FIE.	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Professor & Vice Principal,	Professor & HOD,	Professor & Principal,
Dept. of ISE	Dept. of ISE	Dept. of ISE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J. Amutharaj M.E., Ph.D., FIE. Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.

Dept. of Information Science & Engg. RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners:	***Signature***
1. Dr J. Amutharaj	22/05/2023
2. Rajeet Kumar	22/5/23

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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 (1RR19IS027), Mr. PRAJWAL H.S (1RR19IS028), Mr. SACHIN R.M (1RR19IS033), Mr. SRINIVAS K (1RR18IS046)** 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	**Signature of HOD**	**Signature of Principal**
Mrs. T Rathi Devi	**Dr. Neha Singhal**	**Dr. R Balakrishna**
Assistant Professor,	Associate Prof. and Head, Dept of ISE	Professor & Principal,
Dept of ISE	RRCE, BANGALORE	Dept. of ISE
RRCE, BANGALORE		RRCE, BANGALORE

Principal
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Examiners:	**External Viva-Voce**	**Signature**
1. Dr. J. Amudharaj		22/5/2023
2. Ranjeet Kumar	—	22/5/23

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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

CERTIFICATE

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	Signature of HOD	Signature of Principal
Prof. Dineshkumar M	**Dr.Neha Singhal**	**Dr.R.Balakrishna**
Asst. Prof., Dept. of ISE	Prof and Head, Dept of ISE	Principal
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva

Name of the examiners	Signature with date
1. Dr. T. Aruna Devi	22/5/2023
2. Ranjeet Kumar	22/5/23

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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

CERTIFICATE

Certified that the project report entitled **"REAL TIME DRIVER DROWSINESS DETECTION USING MACHINE LEARNING"** carried out by **Chandan D(1RR19IS004),Balaji M (1RR19IS012), 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.

06/05/2023	06/05/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Neha Singhal	**Dr .Neha Singhal**	**Dr. R Balakrishna**
Assoc Prof. & HOD	Assoc Prof. and HOD,	Prof & Principal
Dept. of ISE	Dept of ISE	RRCE,Bangalore-74
RRCE, Bangalore-74	RRCE,Bangalore-74	

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva

Name of the examiners	**Signature with date**
1. Dr J. Bhuvaneshwari	22/5/2023
2. Ranjeet Kumar	22/5/2023

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

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	Signature of HOD	Signature of Principal
Dr. Neha Singhal Associate Prof & HoD Dept. of ISE, RRCE, Bengaluru	Dr. Neha Singhal Associate Prof. & HOD Dept. of ISE, RRCE, Bengaluru	Dr. R. Balakrishna Principal RRCE, Bengaluru RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:	*Signature:*
1. B J Ashwathakumar	22/5/2023
2. Ranjeet Kumar	Ranjeet 22/5/23

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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 (1RR19IS011)

MONISHA K G (1RR19IS016)

NIDHIKSHA A (1RR19IS019)

NISHCHITHA K N (1RR19IS022)

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.

16/5/2023
Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074

Signature of the Guide	Signature of the HOD	Signature of Principal
Dr. J Amutharaj	Dr. Neha Singhal	Dr. R. Balakrishna
Prof & Vice principal	Prof. & HOD	Principal
Dept. of ISE	Dept. of ISE	RRCE, Bangalore
RRCE, Bangalore	RRCE, Bangalore	

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners

1. Dr. J. Amutharaj
2. Ranjeet Kumar — Ranjeet 22/5/23

Scanned with OKEN Scanner

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	Signature of HOD	Signature of Principal
Dr. R BALAKRISHNA	Dr. NEHA SINGHAL	Dr. R BALAKRISHNA
Principal	HOD, Prof, DEPT of ISE	Principal
RAJARAJESWARI COLLEGE OF ENGINEERING	RRCE	RAJARAJESWARI COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74	Dept. of Information Science & Engg. Rajarajeswari College of Engineering Bangalore - 560 074.	Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA -VOCE

Examiners: **Signature with date:**

1 ... Dr. T. Ammaiappan 22/5/2023

2 ... Ranjeet Kumar ..... Ranjeet 22/5/23

Scanned with OKEN Scanner

RAJARAJESWARI COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
VIII SEMESTER INTERNSHIP ACADAMIC YEAR– MAY 2022- 23

Sl No	USN	Name	Email id	Mobile No.	Internship Company Name	Internship Topic	Company Address	Internship Duration (from) (DD.MM.YY)	Internship Duration (to) (DD.MM.YY)	Certificate of Internship (It should be saved in Your USN)	Signature
1	1RR19EE005	DHANUSH KUMAR	dhanudhi1902@gmail.com	7829866639	KPTCL	Substation and its equipments	Rajajinagar	5/8/2022	4/10/2022	https://drive.google.com/open?id=1-FUzsWQpnR7-o6aOUHEoEUrJeR3XtoTY9M	https://drive.google.com/open?id=1I3MeqRyVMAkyh_1pKEAAhwC7NXeBkqHTQe
2	1RR19EE001	ABRIN MEHA J	abrinmeha19@gmail.com	9535458067	KPTCL	Testing and protection of relays and other electrical equipment	Rajajinagar, Bangalore	1/8/2022	30/09/2022	https://drive.google.com/open?id=1CO9kQh_YwGUEuoVpbE5MFrCrTVtJfJfh	https://drive.google.com/open?id=1CO9kQh_YwGUEuoVpbE5MFrCrTVtJfJfh
3	1RR19EE002	AKASH H Y	akashhy123@gmail.com	9148429821	KPTCL	Study of substation	Rajajinagar Bangluru	8/8/2022	6/10/2022	https://drive.google.com/open?id=1-iOeGFaR-5pkkeXBpOvUTiYOcmm1gGE	https://drive.google.com/open?id=1eQMiYNp2BOiQEMbSYYGdHbpzUp1EfQ
4	1RR19EE003	AKSHATHA D A	amrgowda@gmail.com	9743758167	BWRDC, HAL	GROUND TESTING CENTRE	BWRDC,HAL, Bangalore-560017	17/08/2022	17/10/2022	https://drive.google.com/open?id=1KDtTkA71SJ91BcZzNpt-2ob-rQYHcFGb&usp=sharing	https://drive.google.com/open?id=1ZbWnwqUJTDLwFZVp8EuP-LX7TGFJGg
5	1RR19EE004	AMEENA S G	ameena.gnanappa@gmail.com	8362028354	KPTCL	Testing and protection of relays and other electrical equipments	RT nagar, Bangalore	1/10/2022	31/10/2022	https://drive.google.com/open?id=1AMCeAf2VHFDdKBuxwkvqLiFYVNQ-rtw	https://drive.google.com/open?id=1FOwvVZ1qTEQaeyFnh_WcTRuTSeaHBE
6	1RR19EE005	BHOOMIKA J	bhoomikajain3019@gmail.com	7406110945	Orchip Technologies India Pvt Ltd	Digital voice Recorder using Embedded System	#68,3rd floor, 1st cross, vinayakanagar, Hebbal, Bengaluru, Karnataka	7/8/2022	7/10/2022	https://drive.google.com/open?id=1EdZRpIcoPlwFYxVWMaNPnRnHeGaF-n-WQG	https://drive.google.com/open?id=1UvUkuneFnuTtcQOMeWM_WcRneFmg
7	1RR19EE007	CHANDAN KJ	chandank25@gmail.com	9742917089	KPTCL	Study of substation and it's equipment	MIG Rajajinagar	8/8/2022	8/10/2022	https://drive.google.com/open?id=1xBh-L7HL-C7J1rkmvKGRMFDkBJF7Tr3	https://drive.google.com/open?id=1am_zTBJar-whN-7Lgmm5UYR=CF1MQ
8	1RR19EE008	CHARAN GOWDA K	charangowda.kotte@gmail.com	9353479431	Dgnasti technologies ltd.	Embedded system and IOT	KC nagar, near police station	24/08/2022	17/09/2022	https://drive.google.com/open?id=1vJnAA_TCJ8OOaKQE4RvuF3SDGO1S	https://drive.google.com/open?id=1wQ1vfoaFwW2Gdm-TKvdCHQ-PTSc
9	1RR19EE011	KUMAR MARIKANTA P N	Mani191102k@gmail.com	8861346227	Orchip Technologies India Pvt Ltd	Digital voice Recorder using Embedded System	#68, 3rd Floor, 1st Cross, Vinayakanagar, Hebbal, Bengaluru, Karnataka 560024	7/8/2022	7/10/2022	https://drive.google.com/open?id=1uFTA5w6RMkuMTHVQ6eHE3_DqE1dfQ7yo	https://drive.google.com/open?id=1JYtDrJKGu4nG2wIAOpuSwE7wlb-
10	1RR19EE012	LIKITH J	likithj999@gmail.com	9902123011	Sivantos	Embedded system and IOT	Airport road,hebbal	5/1/0022	5/2/0022	https://drive.google.com/open?id=1buCSVYhBTJbpbE7Ogq1_SZ6OnJpbrk	https://drive.google.com/open?id=1aubwdXGdo2Wfw-ZeFxmtpcZbnaE
11	1RR19EE013	MANOJ G	gmanoggowda01@gmail.com	7411477241	Vivantmn	Embedded systems and IOT	Hebbal	5/8/2022	5/10/2022	https://drive.google.com/open?id=1ydAGBDpdGdQ8DYvaycAmBtuQeww3DE	https://drive.google.com/open?id=1wBW_LGQpHHuYbahTbvKsEnWnqTpc7k
12	1RR19EE014	MANOJ KUMAR R	manojgowda123@gmail.com	9008788519	Vivantmn technologies	Embedded system	Hebbala	5/8/2022	5/10/2022	https://drive.google.com/open?id=1bfYnbGT1Z1qYpL3uXvHRDJCyF1-dbeR	https://drive.google.com/open?id=1eiCuBF8FYY2Thp9r_DuBRE4JNvJPTBkJK

13	1RR19EE015	N LEELANJALI	[redacted]	[redacted]	KPTCL	Testing and protection of relays and other electrical equipment	Rajajinagar Bangalore	1/8/2022	30/09/2021	[redacted]	[redacted]
14	1RR19EED16	NEHA RAJ V G	[redacted]	[redacted]	BESCOM	Study On Distribution and Maintenance at Bescom	09 Subdivision Jayanagar	24/08/2022	22/09/2022	[redacted]	[redacted]
15	1RR19EED17	NIVEDHA D	[redacted]	[redacted]	RWRDC, HAL	Electrical Design and Drawing	443, 1st, A Cross Rd, LBS Nagar, Kaggadasapura, Bengaluru, Karnataka 560017	17/09/2021	17/12/2022	[redacted]	[redacted]
16	1RR19EE018	PRAJWAL D K	[redacted]	[redacted]	Vyoma switch gear	Switchgear Manufacturing plant	Peenya industrial area ,bengaluru	8/8/2023	7/10/2022	[redacted]	[redacted]
17	1RR19EED19	PRATHIK V	[redacted]	[redacted]	KPTCL	Study of substation and it's equipments	Ramanagar	5/8/2022	9/10/2022	[redacted]	[redacted]
18	1RR19EED21	PREM SAGAR S	[redacted]	[redacted]	KPTCL	Testing and protection of relays and other electrical equipments	Kpcl, Rajajinagar, bengluru	1/8/2022	30/09/2022	[redacted]	[redacted]
19	1RR19EEC22	PURUSHOTHAM V	[redacted]	[redacted]	KPTCL	Study of substation and it's equipments	Kottipura ramanagar	5/8/2022	5/10/2022	[redacted]	[redacted]
20	1RR19EED23	RAKESH G	[redacted]	[redacted]	Kpcl	Control of RGB LED using Arduino nano	Rajajinagar	1/8/2022	30/09/2022	[redacted]	[redacted]
21	1RR19EE024	SAHABHAV M N	[redacted]	[redacted]	KPTCL	Testing of relays and other electrical equipments	RT north division KPTCL rajajinagar bangluru	9/1/2022	9/3/2022	[redacted]	[redacted]
22	1RR19EED25	SNEHA G	[redacted]	[redacted]	KPTCL	Study of substation and it's equipments	Kottipura ramanagar	5/8/2022	9/10/2022	[redacted]	[redacted]
23	1RR19EE026	SREEHARI K	[redacted]	[redacted]	RWR&DC, HAL	Final Assembly	443, 1st, A Cross Rd, LBS Nagar, Kaggadasapura, Bengaluru, Karnataka 560017	17/09/2022	17/10/2022	[redacted]	[redacted]
24	1RR19EE027	SUHAS B	[redacted]	[redacted]	KPS substation rajajinagar bangluru	Tsudy of substation	1KRS division, KPTCL, Rajajinagar-Bangalore	8/8/2022	9/10/2022	[redacted]	[redacted]
25	1RR19EE028	SUVARNA P U	[redacted]	[redacted]	RWR&DC, HAL Bangalore	Flight testing and avionics	443,1st,A cross Rd.,LBS nagar,Kaggadasapura, Bengaluru, Karnataka 560017	17/09/2022	17/10/2022	[redacted]	[redacted]

26	1RR19EE029	V VAMSI	vamsivadhya@gmail.com	9060742846	Digisol	Embedded System and Iot	RT nagar near police station	24/08/2022	17/09/2022	https://drive.google.com/open?id=1aWRCxaeYn8y-XTLaFJPWtJWHgaBdJ1g	https://drive.google.com/open?id=1eGzeeYhLJwCbuFwYJwFJvWWCw1eE
27	1RR19GE030	YASHAV S	svaibhav301013@gmail.com	9621946633	Karnataka Power Transmission Corporation Limited	Study of Substations and its Equipments	17th Main Road, 2nd BlockRajaji Nagar, Bangalore - 560010	6/8/2022	6/10/2022	https://drive.google.com/open?id=1AWWG7GCuCDwdEAAvsAF_KwwrrQPZN	https://drive.google.com/open?id=1c-7YYW_2KWbmYTwNvHJLKCwEQwkrB
28	1RR19GE031	YASHAS S M	yashasjyothi98@gmail.com	7899842585	KPTCL	Study of Substation and its equipments	Rajajinagar, Bangalore	1/8/2022	29/09/2022	https://drive.google.com/open?id=1BgbcqNeFgwWAC8	https://drive.google.com/open?id=1CDkAUTh9MLCwGtLdUR1mnvbqnE
29	1RR19EE032	YATHISH GOWDA H	yathishgowda048@gmail.com	9880070049	BESCOM	Study on power Distribution and maintenance at bescom	BESCOM S16 SUBDIVISION	12/9/2022	7/10/2022	https://drive.google.com/open?id=1aMrEpTCDwwrEDTQAM6FuJmvvnEBdLpW	https://drive.google.com/open?id=1DxnNaNdmCFZ0MWPdJWV2fw3Q=w559
30	1RR20EE400	SANJAY YADAV N	sanjutdy2000@gmail.com	9845129301	BESCOM	Study on Power distribution and maintenance at BESCOM	S14 jaynagar division	12/9/2022	########	https://drive.google.com/open?id=1tN_KDnPTuBuBHuLO2OEAXRKZLCQdSN	https://drive.google.com/open?id=1rGGG4JwmgcnYdbeYKGvG_7Rbkew
31	1RR20EE402	TEJASWINI R T	tejaswini2423@gmail.com	7760912706	BESCOM	Study on power distribution and maintenance at bescom	Jaynagar S15 Division	12/9/2022	7/10/2022	https://drive.google.com/open?id=1tF2fVvKpA_PHLaPmQFwnEbnMy-x2YW	https://drive.google.com/open?id=1qB-7OnWJ4CwSwRw-zFqaFwmwJ
32	1RR20EE403	UTTAM M	uttamgiet4@gmail.com	7338019434	BESCOM	Study on power distribution and maintenance on bescom	Jayanagar subdivision, S15 BESCOM	13/9/2022	7/10/2022	https://drive.google.com/open?id=1UZeoTasOfOSHAnST-dsPyOGfwwsN_AZ	https://drive.google.com/open?id=1xonQPUTI_0GBFGEgmW-kTZOvRDwsDWe

Internship Coordinator

Professor & HOD
Dept. of Electrical & Electronics Engg
Rajarajeswari College Of Engineering
Bengaluru-74

Created By: Sign Doc

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: admnhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23/1661 Date: 25 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.
2. Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to **Dhanush Kumar. B., USN No: [redacted]**, 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, 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,

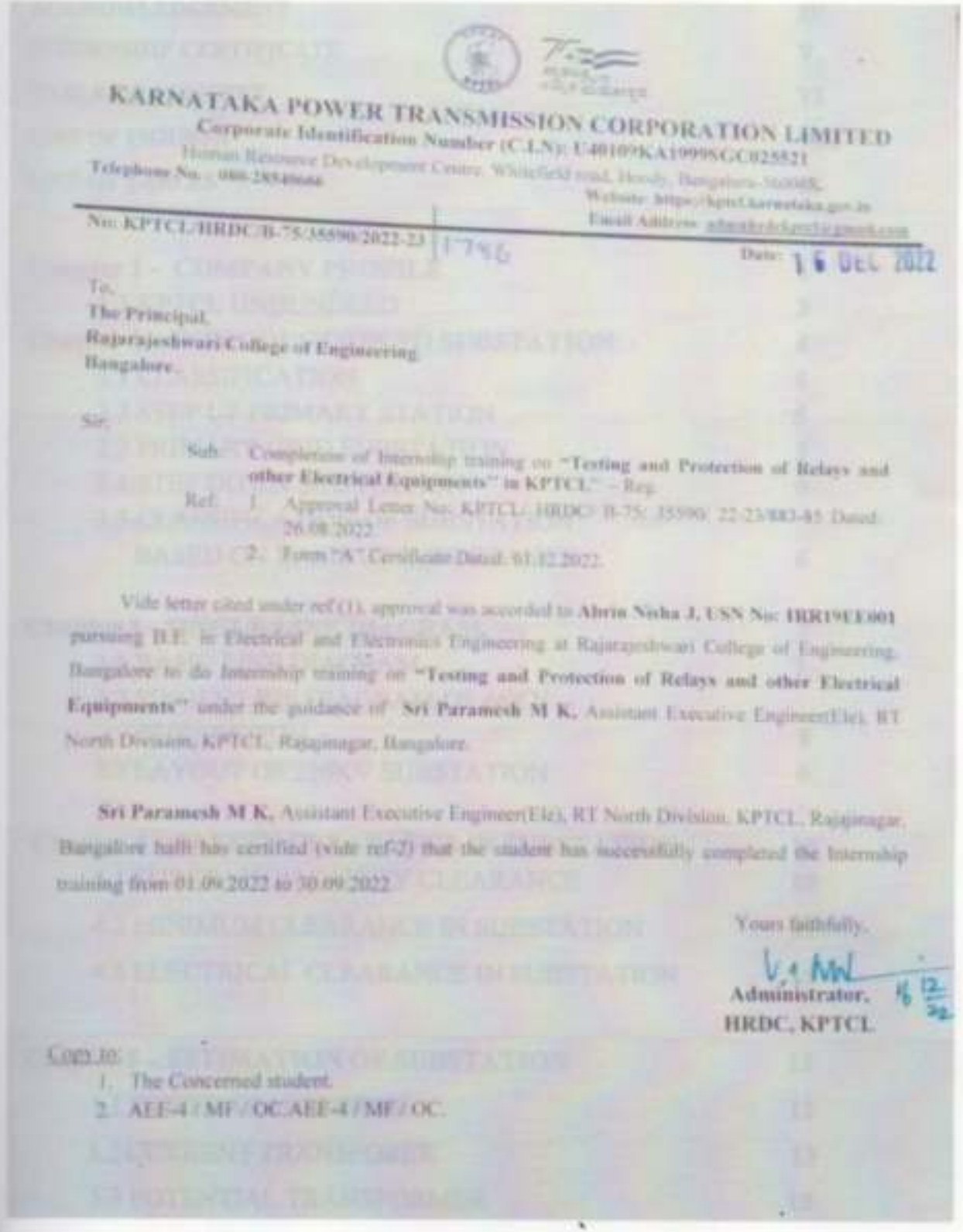
25/11/2022

Administrator,
HRDC, KPTCL

Copy to:

1. The Concerned student.
2. AEE-4 / MF / OC.

INTERNSHIP CERTIFICATE



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Corporate Identification Number (C.I.N): U40109KA1999SGC025521
Human Resource Development Centre, Whitefield road, Hoody, Bangalore-560048.
Telephone No. : 080-28540666
Website: https://kptcl.karnataka.gov.in
Email Address: adminhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 | 1796 | Date: 16 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.
2. Form "A" Certificate Dated: 01.12.2022.

Vide letter cited under ref (1), approval was accorded to **Abrin Nisha J, USN No: 1RR19EE001** 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(Elec), RT North Division, KPTCL, Rajajinagar, Bangalore.

Sri Paramesh M K, Assistant Executive Engineer(Elec), RT North Division, KPTCL, Rajajinagar, Bangalore hath 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.

Copy to:
1. The Concerned student.
2. AEE-4 / MF / OC.AEE-4 / MF / OC.

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: admnhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23/1661 Date: 25 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.
2. Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to **Akash. 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 Kulkarni, 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,

25/11/2022

Administrator,
HRDC, KPTCL

ROTARY WING RESEARCH & DESIGN CENTRE
DESIGN COMPLEX
HINDUSTAN AERONAUTICS LIMITED
Bengaluru - 560 017, India
दूरभाष / फ़ोन / Ph. : 91 - 80 - 2232 3149
91 - 80 - 2231 1264
Fax : 91 - 80 - 2231 1747

HAL/DC/RWRDC/HR/INTRNSHP/ 1320 /2022

21st October, 2022

CERTIFICATE

This is to certify that Ms. Akshatha D A (1RR19EE003), 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, Bengaluru.

2. 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. Akshatha D A (1RR19EE003)
B.E (Electrical & Electronics Engineering)
Rajarajeswari College of Engineering
Bangalore.

www.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://kptcl.karnataka.gov.in**

Email Address: adminhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 | 1786 **Date:** 16 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.
2. Form "A" Certificate Dated: 01.12.2022.

Vide letter cited under ref (1), approval was accorded to **Anusha S G, USN No: 1RR19EE004** 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, 16/12/22
HRDC, KPTCL

Scanned with CamScanner

INTERSHIP CERTIFICATE

ONCHIP

CERTIFICATE

OF COMPLETION

We present this certificate to BHOOMIKA. S in

appreciation of your successful work as an intern at

Embedded Systems.

The internship was conducted between

7 September 2022 and 7 October 2022.

For ONCHIP TECHNOLOGIES

Murliadhar K V
Human Resources
ONCHIP Technologies

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: adminhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/47020/2023-24 / 235 Date: 12 MAY 20

To,

The Principal,

Raja Rajeshwari College of Engineering,

Bangalore.

Sir,

Sub: Completion of Internship training on **"Study of Substation and its Equipments" in KPTCL** – Reg

Ref: 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35599/ 22-23/1046-48 Dated: 05.09.2022

2. Form "A" Certificate Dated: 24.04.2023

Vide letter cited under ref (1), approval was accorded to **Chandan K J, USN No: 1RR19EE004** pursuing B.E. in Electrical and Electronics Engineering at Raja Rajeshwari College of Engineering, Bangalore, to do Internship training on **"Study of Substation and its Equipments"** under the guidance of **Smt Anitha Devaraj**, Assistant Executive Engineer(Elect), 220 kV, NRS division, KPTCL, Nagarajura, Bangalore.

Smt Anitha Devaraj, Assistant Executive Engineer(Elect), 220 kV, NRS division, KPTCL, Nagarajura, Bangalore, 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

DIGIADD

Technologies

Certificate of Completion

CHANNE GOWDA K

A student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Bearing USN No: 1RR19EE008 has successfully completed internship on Domain

EMBEDDED SYSTEMS & IOT From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

DIGIADD TECHNOLOGIES BANGALORE

Manager, Operations

INTERSHIP CERTIFICATE

ONCHIP

CERTIFICATE

OF COMPLETION

We present this certificate to KUMAR MANIKANTAN. in

appreciation of your successful work as an intern at

Embedded Systems.

The internship was conducted between

7 September 2023 and 7 October 2023

For ONCHIP TECHNOLOGIES

Muralidhar K V
Human Resources
ONCHIP Technologies

Reg. No : AAB9565

inventeron
nothing but smart..

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Likith. J

has completed internship on Embedded System & IOT (IOT Based fire Alarm System)

from 05/09/2022 **to** 05/10/2022 **successfully.**

We wish this intern all the best for future endeavours.

For Inventeron Technologies And Business Solutions LLP

Managing Director

Managing Director

www.inventeron.com

COMPANY CERTIFICATE

Reg. No : AAB9565

inventeron
nothing but smart..

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Manoj. G

has completed internship on Embedded System and IoT [Fire alarm System]

from 05/09/22 to 05/10/22 successfully.

We wish this intern all the best for future endeavours.

For Inventeron Technologies And Business Solutions LLP

Managing Director

Managing Director

www.inventeron.com

Reg. No : AAB9565

inventeron
nothing but smart.

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Manoj Kumar. R

has completed internship on "Embedded Systems and IoT" (Smart Locking System)

from 05-09-2022 to 05-10-2022 successfully.

We wish this intern all the best for future endeavours.

For Inventeron Technologies And Business Solutions LLP

Managing Director

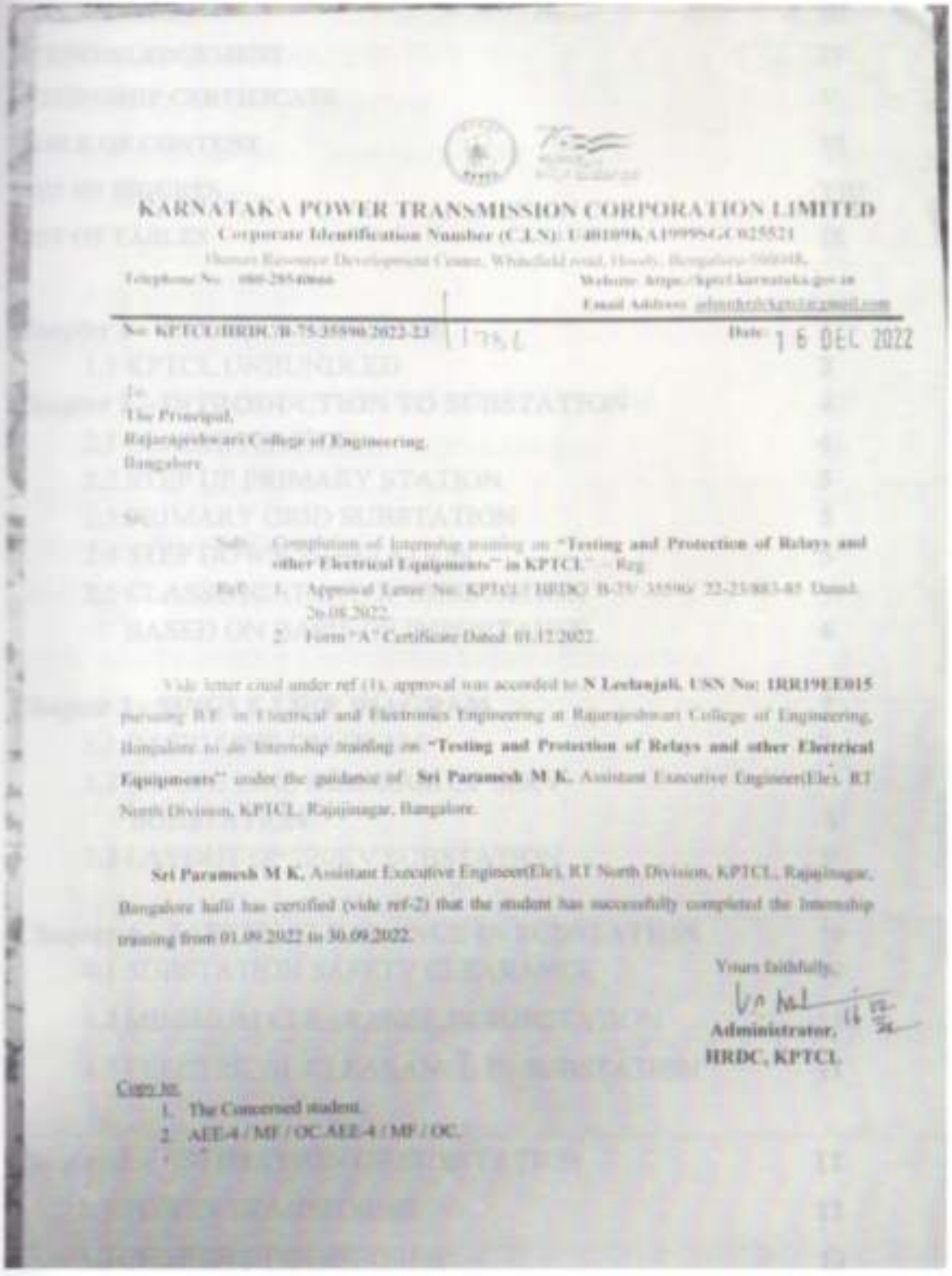
Managing Director

www.inventeron.com

COMPANY CERTIFICATE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

INTERNSHIP CERTIFICATE



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Center, Whitefield road, Hoody, Bengaluru-560048.

Telephone No. : 080-28540066 Website: https://kptcl.karnataka.gov.in

Email Address: admnhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 | 1786 Date: 16 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.

2. Form "A" Certificate Dated: 01.12.2022.

Vide letter cited under ref (1), approval was accorded to **N Leelanjali, USN No: 1RR19EE015** 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,

16/12/22

Administrator,

HRDC, KPTCL

Copy to:

1. The Concerned student.
2. AEE-4 / MF / OC.AEE-4 / MF / OC.

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED
(wholly owned Government of Karnataka Undertaking)

No. BESCOM/GM(A&HR)/DGM/HRD/BC-40/2022-23/426-29
Encl:

Corporate Office, HRD Centre,
Crescent Towers, Crescent Road,
1st Floor, Bangalore.
PH : 080-22356756
E-Mail ID: dgmhrd.work@gmail.com

Date: 23.03.2022

To,

The Professor and Head,
Department of Electrical and Electronics Engineering,
RajaRajeswari College of Engineering,
Kumbalagodu, Mysore Road,
Bengaluru-560074

Sir/Madam,

Sub: Completion of Internship by Ms. Neha Raj V.G., 7th Sem, B.E(EAE)-Reg.

Ref: 1.The Professor & HOD, Dept. of Electrical & Electronics Engineering, RajaRajeswari College of Engineering, Bangalore letter no.: RRCE/EEE/IS/2022-23/02 date:19.08.2022.
2.This Office OM No.: BESCOM/GM (A&HR) DGM/HRD/BC-40/2022-23/97, dated: 23.08.2022.

With reference to the above, **Ms. Neha Raj V.G.** (Reg.No:1RR19EED16) student of RajaRajeswari College of Engineering, Kumbalagodu, Bengaluru, pursuing her degree Bachelor of Engineering in Electrical and Electronics Engineering in 7th Semester has carried out her internship on **"STUDY ON POWER DISTRIBUTION AND MAINTENANCE AT BESCOM"** for the period from **24.08.2022 to 22.09.2022** at Jayanagara Division, BESCOM under the guidance of Sri. Channakeshava , Executive Engineer(Ele).

One copy of the completed internship work report is submitted to this office.

Yours Faithfully

(N.Savitha)
Deputy General Manager (Ele.),
HRDC, BESCOM

Copy to:
1) The General Manager (A&HR), Corporate Office, BESCOM, Bengaluru for kind information.
2) The Executive Engineer (Ele.), O&M Jayanagara Division, BESCOM, Bangalore.
3) Concerned Student.
4) MF/OC.

ರೋಟರಿ ವಿಂಗ್ ಸಂಶೋಧನೆ ಮತ್ತು ವಿನ್ಯಾಸ ಕೇಂದ್ರ
ರೋಟರಿ ವಿಂಗ್ ಅನುಸಂಧಾನ ಮತ್ತು ಅಭಿಕಲ್ಪ ಕೇಂದ್ರ
ರೋಟರಿ ವಿಂಗ್ ಸಂಶೋಧನೆ / ಅಭಿಕಲ್ಪ ಸಂಕೀರ್ಣ
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಬೆಂಗಳೂರು-560 017, ಭಾರತ / ಬೆಂಗಳೂರು - 560 017, ಭಾರತ
ದೂರವಾಣಿ / ಫ್ಯಾಕ್ಸ್ / Ph. / Fax : 91 - 80 - 2231 1747

ROTARY WING RESEARCH & DESIGN CENTRE
DESIGN COMPLEX
HINDUSTAN AERONAUTICS LIMITED
Bengaluru - 560 017, India
ದೂರವಾಣಿ / ಫ್ಯಾಕ್ಸ್ / Ph. : 91 - 80 - 2232 3149
91 - 80 - 2231 1284

HAL/DC/RWRDC/HR/INTRNSHP/ 13 19 /2022

21st 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.

2. 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.

ನೋಂದಾಯಿತ ಕಚೇರಿ : ನಂ.15, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560 001, ಭಾರತ
ಪಂಜೀಕೃತ ಕಾರ್ಯಾಲಯ : 15/1, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ
Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India
ಸಿ.ಐ.ಎನ್ / ಸಿ.ಐ.ಎನ್ / CIN: L35301KA1963GOI001622 ಇ / E / E : hr.rwrdc@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://kptcl.karnataka.gov.in

Email Address: admnhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23/1661

Date: 25 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.
2. Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to [redacted], USN No: 1RR19EE018 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, 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,

25/11/2022

Administrator,
HRDC, KPTCL

INTERNSHIP CERTIFICATE

INTERNSHIP CERTIFICATE

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Doddy, Bengaluru 560048.

Telephone No. 080-28540000

Website: https://kptcl.karnataka.gov.in

Email Address: admin@dckptcl.gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 | PIXE

Date: 16 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-75/35590/22-23/883-05 Dated 26.08.2022
2. Form "A" Certificate Dated: 01.12.2022

Vide letter cited under ref (1), approval was accorded to **Prem Sagar S USN No: 1RR19EE021** 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 hall has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022.

Yours faithfully,

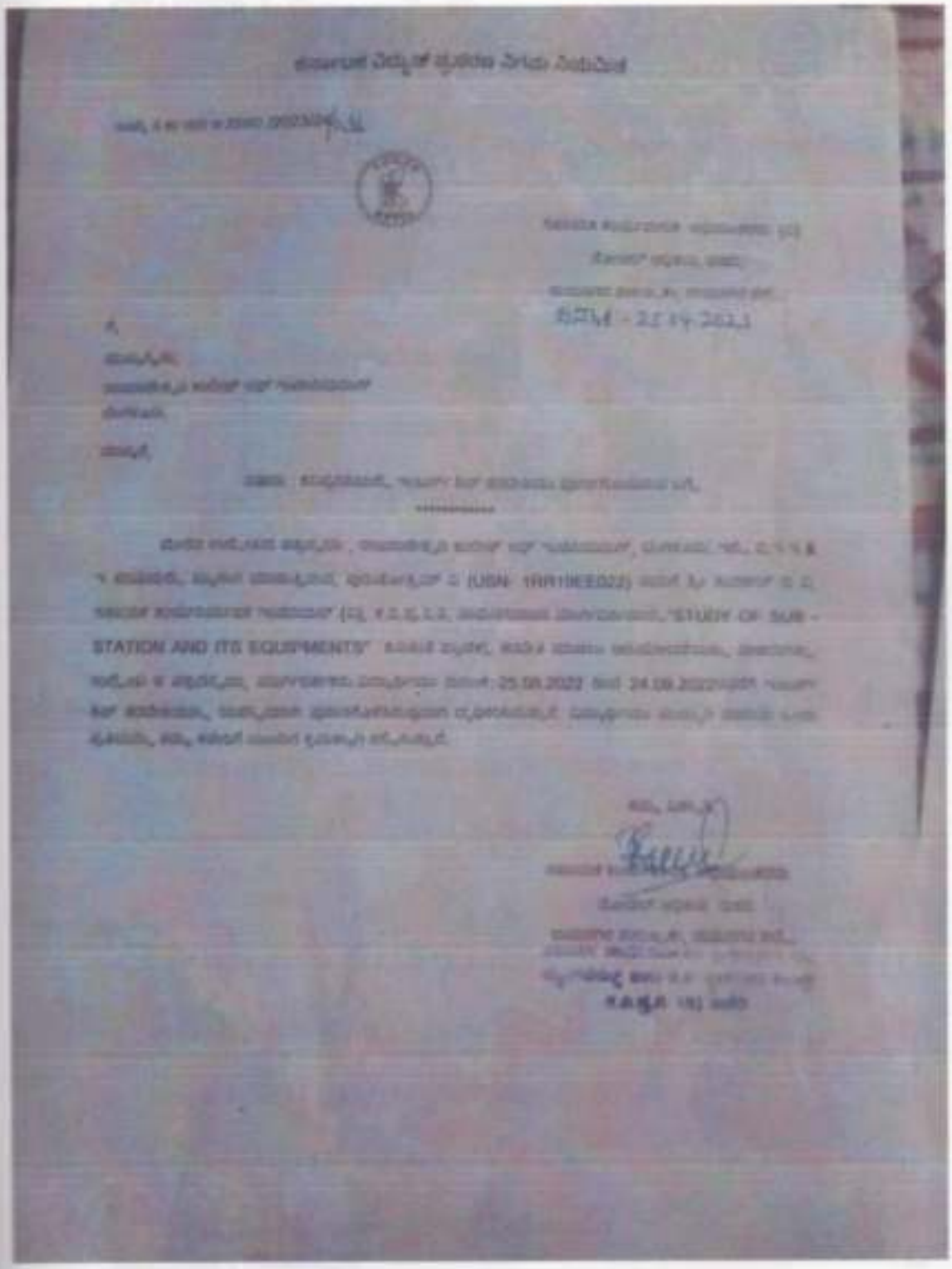
16/12/22

Administrator,
HRDC, KPTCL

Copy to:

1. The Concerned student
2. AEE-4 / MF / OC.AEE-4 / MF / OC.

INTERNSHIP CERTIFICATE



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999SGC025521

Human Resource Development Centre, Whitefield road, Hoody, Bangalore-560048.

Telephone No. : 080-28540666 **Website: https://kptcl.karnataka.gov.in**

Email Address: ahrmkptcl@gmail.com

No: KPTCL/HRDC/B-75/385908/2022-23 | 1394 **Date:** 15 OCT 2022

To,

The Principal,
Raja Rajeshwari College of Engineering,
Bangalore.

Sir,

Sub: Completion of Internship training on **"Study of Substation Equipments" in KPTCL"** - Reg.

Ref: 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 385908/ 22-23/4995-97 Dated: 26.09.2022

2. Form "A" Certificate Dated: 14.10.2022

Vide letter cited under ref (1), approval was accorded to **Rakesh G. USN No: 1RR19EE023** pursuing B.E. in Electrical and Electronics Engineering at Raja Rajeshwari College of Engineering, Bangalore, to do Internship training on **"Study of Substation Equipments in KPTCL"** under the guidance of **Smt. Smitha.U**, Assistant Executive Engineer(Elec), 220 kV, NRS division, KPTCL, Rajajinagara, Bangalore.

Smt. Smitha. U, Assistant Executive Engineer(Elec), 220 kV, NRS division, KPTCL, Rajajinagara, Bangalore, has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022. The student will submit the copy of the report personally to your institution for further needful.

Yours faithfully,

Dy. Administrator,
HRDC, KPTCL

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: adminhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 / 1786 **Date:** 16 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.
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.

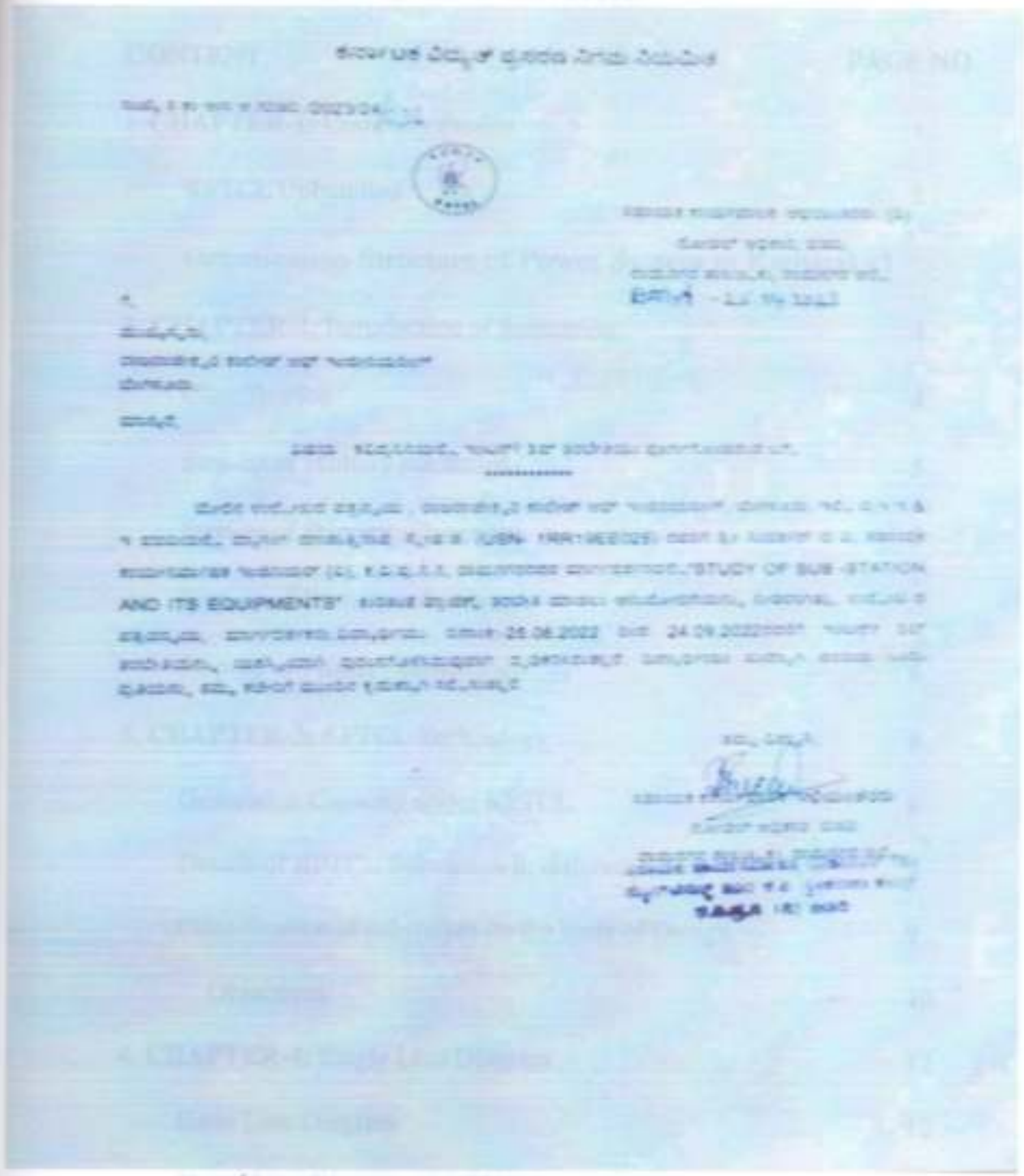
Sri Paramesh M K, Assistant Executive Engineer(Ele), RT North Division, KPTCL, Rajajinagar, Bangalore halli has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022.

Yours faithfully,

Administrator, 16/12/22
HRDC, KPTCL

Scanned with CamScanner

INTERNSHIP CERTIFICATE



ರೋಟರಿ ವಿಂಗ್ ಸಂಶೋಧನೆ ಮತ್ತು ವಿನ್ಯಾಸ ಕೇಂದ್ರ
ರೋಟರಿ ವಿಂಗ್ ಅನುಸಂಧಾನ ಮತ್ತು ಅಭಿಕಲ್ಪ ಕೇಂದ್ರ
ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ / अभिकल्प काम्प्लेक्स
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिंदुस्तान एरोनॉटिक्स लिमिटेड
ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ / बेंगलूरु - 560 017, भारत
ದೂರವಾಣಿ / फोन / Phone: 91 - 80 - 2232 3149
ಫ್ಯಾಕ್ಸ್ / फैक्स / Fax: 91 - 80 - 2231 1747

ROTARY WING RESEARCH & DESIGN CENTRE
DESIGN COMPLEX
HINDUSTAN AERONAUTICS LIMITED
Bengaluru - 560 017, India
ದೂರವಾಣಿ / दूरभाष / Ph.: 91 - 80 - 2232 3149
91 - 80 - 2231 1284

HAL/DC/RWRDC/HR/INTRNSHP/ ೮೧ /2022 21st October, 2022

CERTIFICATE

This is to certify that Mr. Sree Hari K (1RR19EE026), 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, Bengaluru.

2. His Conduct, Behaviour, Punctuality and Progress in Training "Very Good" was as rated by the Department Head during his training period with us.

(U SUDHAKAR)
SENIOR MANAGER (HR)

Mr. Sree Hari K (1RR19EE026)
B.E (Electrical & Electronics Engineering)
Rajarajeswari College of Engineering
Bangalore.

www.hal-india.co.in

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identification Number (C.I.N): U40109KA1999GOI025521

Human Resource Development Centre, Whitefield road, Hoody, Bengaluru-560048.

Telephone No. : 080-28560666 Website: https://kptcl.karnataka.gov.in

Email Address: adminhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/38590/2022-23/1661 Date: 25 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/ 38590/ 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 **Sahas. B., USN No: 1RR19EE027**, 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(Elec), 220kV NRS Division, KPTCL, Rajajinagar, Bengaluru.

Smt. Aruna Kulkarni, Assistant Executive Engineer(Elec), 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

Copy to:
1. The Concerned student.
2. AEE-4 / MI / OC.

ROTARY WING RESEARCH & DESIGN CENTRE
DESIGN COMPLEX
HINDUSTAN AERONAUTICS LIMITED
Bangalore - 560 017, India
ದೂರವಾಣಿ / दूरभाष / Ph.: 91 - 80 - 2232 3149
91 - 80 - 2231 1264
Fax: 91 - 80 - 2231 1747

HAL/DC/RWRDC/HR/INTRNSHP/ 1318 /2022

21st October, 2022

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, Bengaluru.

2. 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. Suvarna P U (1RR19EE028)
B.E (Electrical & Electronics Engineering)
Rajarajeswari College of Engineering
Bangalore.

www.hal-india.co.in

DIGIADD
Technologies

Certificate of Completion

VADITYA VAMSI

A student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Bearing USN No: 1RR19EE029 has successfully completed internship on Domain

EMBEDDED SYSTEMS & IoT From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

Manager

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: admnhrdckptcl@gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23/1661 **Date:** 25 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.
2. Form "A" Certificate Dated: 09.11.2022.

Vide letter cited under ref (1), approval was accorded to **Vaibhav. S., USN No: 1RR19EE030**, 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, 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,

25/11/2022

Administrator,
HRDC, KPTCL

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: adminhrdc@kptcl.gmail.com

No: KPTCL/HRDC/B-75/35590/2022-23 / 1394

Date: 15 OCT 2022

To,

The Principal,

Raja Rajeshwari College of Engineering

Bangalore

Sir,

Sub: Completion of Internship training on **"Study of Substation Equipments " in KPTCL"** – Reg.

Ref: 1. Approval Letter No: KPTCL/ HRDC/ B-75/ 35590/ 22-23/895-97 Dated: 26.08.2022.

2. Form "A" Certificate Dated: 14.10.2022.

Vide letter cited under ref (1), approval was accorded to **Yashas.S.M. USN No: 1RR19EE031**, pursuing B.E. in Electrical and Electronics Engineering at Raja Rajeshwari College of Engineering, Bangalore, to do Internship training on **"Study of Substation Equipments in KPTCL"** under the guidance of **Smt Smitha.U**, Assistant Executive Engineer(Ele), 220 kV, NRS division, KPTCL, Rajaymagara, Bangalore.

Smt Smitha U, Assistant Executive Engineer(Ele), 220 kV, NRS division, KPTCL, Rajaymagara, Bangalore, has certified (vide ref-2) that the student has successfully completed the Internship training from 01.09.2022 to 30.09.2022. The student will submit the copy of the report personally to your institution for further needful.

Yours faithfully,

15/10/2022

SSC **Administrator,**

HRDC, KPTCL

Bangalore Electricity Supply Company Limited

(wholly owned Government of Karnataka undertaking)

No: EEE/JD/AEE(O)/JE-1/22-23/ 641
Encl: Project report
E-mail: nesouth.work@gmail.com
Ph / Fax: 26711499

Office of the
Executive Engineer, (Elec.)
C, O&M, Jayanagar Division,
23rd Main, 27th Cross,
BSK II Stage, B'lore - 70
Date: 29 APR 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,

(Executive Engineer Elec)
Jayanagar Division, Bangalore

INTERNSHIP CERTIFICATE

Bangalore Electricity Supply Company Limited
(wholly owned Government of Karnataka undertaking)

No: EEE/JD/AEE(O)/JE-1/22-23/ 641
Encl: Project report
E-mail: eeesouth.work@gmail.com
Ph: Fax: 26711499

Office of the
Executive Engineer, (Elec.)
C, O&M, Jayanagar Division,
23rd Main, 27th Cross,
BSK II Stage, B'lore - 70.
Date: 29 APR 2023

The Deputy General Manager,
HRD Centre,Cresent Towers,
Cresent Road, Ist 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,

Executive Engineer Elecl.,
Jayanagar Division., Bangalore.

INTERNSHIP CERTIFICATE

Bangalore Electricity Supply Company Limited
(wholly owned Government of Karnataka undertaking)

No: EEE/JD/AEE(O)/JE-1/22-23/ 651
Encl: Project report
E-mail: eeesouth.work@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: 29 APR 2023

The Deputy General Manager,
HRD Centre,Cresent Towers,
Cresent Road, Ist 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,

Executive Engineer Elect.,
Jayanagar Division., Bangalore.

Bangalore Electricity Supply Company Limited

(wholly owned Government of Karnataka undertaking)

No: EEE/JD/AFF(O)/JE-1/22-23/ 641
Encl: Project report
E-mail: eesouth.work@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: 29 APR 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.

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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,

Executive Engineer Elect.,
Jayanagar Division., Bangalore.

RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramoholli Cross, Kumbalagudu, Bengaluru-560074.

DEPARTMENT OF CIVIL ENGINEERING

STUDENT INTERNSHIP DETAILS 2022-2023

SL. No	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	1RR17CV065	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	ARUN PRASAD P	1RR18CV009	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
5	BHARATH R	1RR18CV010	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
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	1RR18CV020	N.A	N.A.	N.A.
9	KISHORE R	1RR18CV024	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	1RR18CV032	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	1RR18CV033	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
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
14	SUSHMITHA K	1RR18CV061	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
15	VENKATESH PRASAD V	1RR18CV063	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	1RR19CV001	Construction Site	Rayagowda construction company, #2799, Gayathri extension nagasamudra road, chanarayapatna-573116, rayagowdaconstructioncompany@yahoo.com, 9448256782	25/08/2022 to 19/09/2022
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
18	ARUN GOWDA K G	1RR19CV003	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
19	BHEEMESH S	1RR19CV004	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
20	CHANDAN M	1RR19CV005	Nil	Nil	Nil
21	CHIDANANDA E	1RR19CV006	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022

22	DARSHAN T G	1RR19CV007	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	1RR19CV010	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	1RR19CV011	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	1RR19CV012	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
28	HEMANTH B O	1RR19CV015	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
29	KAVYA K	1RR19CV016	Resiedential building construction	Harshini Consultant, #249, 5th cross, Balaji Badavane, Mallathahalli, Bangalore, 98455006507, harshiniconsultant@gmail.com	20/08/2022 to 20/09/2022
30	KAVYA T A	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	1RR19CV018	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	1RR19CV019	Construction of Metro Rail	BMRCL, BMTC complex 3rd floor, Kh road, Shanti nagar, Bangalore-27,	25/08/2022 to 24/09/2022

33	LIKITH R	1RR19CV020	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
34	MANU N	1RR19CV021	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
35	MOIEN MOHI UD DIN BH	1RR19CV022	Overhead water tank , service Reservoir, Rapid Sand filtration plant	WAPCOS ltd, JJM Kashmir, J&K shopian office, Kashmir, wapcosjjmshopian@gmail.com, 911242399421	26/08/2022 to 22/09/2022
36	MUNESH M	1RR19CV023	Building Construction	PWD,Sub division, Chanpatna-562160	20/08/2022 to 20/09/2022
37	NITHYA N	1RR19CV024	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	1RR19CV025	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	1RR19CV027	N.A	N.A.	N.A
41	RITIK DAWAR	1RR19CV028	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	1RR19CV030	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,	25/08/2022 to 24/09/2022
45	SHARLIN	1RR19CV032	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	1RR19CV033	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	20/08/2022 to 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	1RR19CV039	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	1RR19CV041	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	1RR19CV043	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
57	SHILPA 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 to 18/09/2022
58	ASHITOSH	1RR20CV400	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
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 K	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	1RR20CV406	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

07/11/23

Internship Coordinator

3/11/23

Professor & HOD
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 **Rajarajeswari College of Engineering Bearing USN - IRR18CV017** pursuing 7th sem in BE Civil 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:

1. KHB- Dr. B.R Ambedkar School of Economics at Bangaluru University, Jnana Bharathi Campus, Bengaluru district."
2. 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.

Thanking you,

#10, 9th Cross, L.N. Puram, Bengalore - 560021
sreejbuilders@gmail.com | +91 96062 00939

ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ
Bangalore Metro Rail Corporation Ltd
(A Joint Venture of Government of Karnataka & Government of India)
Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027, INDIA

No: BMRCL/CE (PM)/Internship/Certificate/2022-23

06th October 2022

TO WHOM-SO-EVER IT MAY CONCERN

****

This is to certify that **Ms. DHRUVATARE B N (1RR19CV011)** 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.

(M. Srinivas)
Chief Engineer (PM)

HENCON ASSOCIATES.

ISO 9001:2015 CERTIFIED

Dt. 01-10-2022

TO WHOMESOEVER IT MAY CONCERN

This is to certify that **Mr. Ayaan Pasha R (1RR20CV401)** , student of Raja Rajeswari College of Engineering, Bangalore has done His internship in Civil Engineering at M/s 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 attitude to learn new things. Him performance exceeded expectations.

We wish him all the best for him future endeavors.

M/S. HENCON ASSOCIATES BANGALORE 560 060

Mr. [illegible] M.
B.E. [illegible] M.S.C.A.
Managing [illegible]
M/s. HENCON ASSOCIATES
Bangalore - 560 060
[illegible]

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

HARSHINI CONSULTANT

K G. RAVI KUMAR B.E., M.I.E, F.I.V, C.E.
E. Mail.: harshiniconsultant@gmail.com,
Ph.9845006507

No. 249, 5th cross
Balaji Badavaane, Mallathalli
Bangalore.

Date:- 10/09/2022

TO WHOM IT MAY CONCERN

This is to certify that **Kumari. Kavya K(USN: 1RR19CV016)** , 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

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074

Department of Computer Science & Engineering

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	1RR19CS001	AAKASHADHITHYA D K	Loan prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
2	1RR19CS002	ABHISHEK K	Bangalore House Prices Analysis	Tequed Labs	1st Sep2022 to 30th sep 2022
3	1RR19CS003	ABHISHEK PANDEY	Machine Learning-Intern	Collasalhub IT services	August 29rd to sep 30th 2022
4	1RR19CS004	ADARSH KUMAR	Data Science	DUCAT	1st Sep2022 to 30th sep 2022
5	1RR19CS005	ADARSH MURTHY T M	Credit Card Fraud Detection	Tequed Labs	1st Sep2022 to 30th sep 2022
6	1RR19CS006	ADITHYA J	Stroke Prediction	Tequed 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	1RR19CS008	AFROZ ALAM	Online Attendence Management System	Tequed Labs	1st Sep2022 to 30th sep 2022
9	1RR19CS009	AJAY M S	Student Grade prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
10	1RR19CS010	AKHILA K	Stroke price Prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
11	1RR19CS011	AKSHAY G S	Work from home vs work from office prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
12	1RR19CS012	ALISHA S	Artifical 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	1RR19CS015	ANUSHA J	Iris Dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
16	1RR19CS016	ANUSHA V	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22
17	1RR19CS017	ARSHIYA NAZNEEN	Mall Customers dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
18	1RR19CS018	AUGUSTIN AVINASH I	Software Developer	Collasalhub IT services	29th Sep 2022
19	1RR19CS019	AVINAASI L J	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
20	1RR19CS020	B V MANASI	Artifical 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	1RR19CS022	BANGARU ADITYA	job port follo	Tequed Labs	1st Sep2022 to 30th sep 2022
23	1RR19CS023	BHOOMIKA G K	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22
24	1RR19CS024	BINDUSHREE B M	Image Steganography	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. Ltd	Krish	19th Aug 2022 to 19th Sept 2022
27	1RR19CS028	CHANDANA R	Artifical Intelligence using python	TechnoFly Solution	25/08/22 to 25/09/22
28	1RR19CS029	DARSHAN V	Brain tumor Detection	Tequed Labs	1st Sep2022 to 30th sep 2022
29	1RR19CS030	DEEKSHITHA U M	Full Stack web development	TechnoFly Solution	22/08/22 to 22/09/22
30	1RR19CS031	DEVARAJA	MCQ test taking platform	Tequed Labs	1st Sep2022 to 30th sep 2022
31	1RR19CS033	FARHEEN TAJ	Bangalore Placement Statistics data	Tequed Labs	1st Sep2022 to 30th sep 2022
32	1RR19CS034	GADDAPARA KOKILA	Uber Pickup dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
33	1RR19CS035	GANAVI C V	Image Steganography	Tequed Labs	1st Sep2022 to 30th sep 2022
34	1RR19CS036	GANESH K C	the Boston housing database	Tequed Labs	1st Sep2022 to 30th sep 2022
35	1RR19CS037	GAURAV KUMAR BHATT	Machine Learning With Python	Varcons Technologies Pvt.Ltd	23rd Aug to 27th sep 22
36	1RR19CS038	GEETHASHREE R	Image Steganography	Tequed Labs	1st Sep2022 to 30th sep 2022
37	1RR19CS039	GOUTHAM M	Online C/C++/ Java Compiler with Test Cases Validation	Tequed Labs	1st Sep2022 to 30th sep 2022
38	1RR19CS040	GOVARDHAN G P	Parkinson Disease	Tequed Labs	1st Sep2022 to 30th sep 2022
39	1RR19CS041	GUNASREE N A	Full Stack web development	TechnoFly Solution	22/08/22 to 22/09/22
40	1RR19CS042	H SWETHA DESHMUKH	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
41	1RR19CS043	HARSHETHA MURTHY K	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
42	1RR19CS044	HARSHITHA D	Image Encryption	Tequed Labs	1st Sep2022 to 30th sep 2022

43	1RR19CS045	HARSHITHA JAYASREE R	Heart Attack Analysis and Prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
44	1RR19CS046	HARSHITHA V	Full Stack web development	TechnoFly Solution	22/08/22 to 22/09/22
45	1RR19CS047	HEMANTH R	Application of Advanced Analytics in pricing ,Supply chain & portfolio Simplification for aero	Honeywell Technology Solution Lab Pvt,Ltd	21-Feb-23
46	1RR19CS048	HEMAVATHI R	Healthcare website	Aides Engg private Limited	Aug 22to sep 22
47	1RR19CS049	HRITHIK K A	Machine Learning USING Python	TechnoFly Solution	20/08/22 to 19/09/22
48	1RR19CS050	I AMALI AKSHAYA	Web Development	worlnWell	25th Sep2022 to 25th Nov 2022
49	1RR19CS051	JAHNAVI H P	Fake news detection	Tequed Labs	1st Sep2022 to 30th sep 2022
50	1RR19CS052	JEEVAN Y	Artifical Intelligence with python	Languify	25th Nov 2022 to 25th Jan 2023
51	1RR19CS053	JESICA G V	Krish Software Services (India)Pvt Ltd	Krish	19th Aug 2022 to 19th Sept 2022
52	1RR19CS054	K SHIVUKUMAR	MCQ test taking platform	Tequed Labs	1st Sep2022 to 30th sep 2022
53	1RR19CS055	K V HIMASAI	Wine quality data set	Tequed Labs	1st Sep2022 to 30th sep 2022
54	1RR19CS056	K YASHWANTH CHOWDARY	job portal	Tequed Labs	1st Sep2022 to 30th sep 2022
55	1RR19CS057	KARTHIK E	Krish Software Services (India)Pvt Ltd	Krish	19th Aug 2022 to 19th Sept 2022
56	1RR19CS058	KAVANA D	Wine quality data set	Sustainability Solution Private Limited	1st Sep2022 to 30th sep 2022
57	1RR19CS059	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	1RR18CS016	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 P S	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	1RR19CS062	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	1RR19CS064	KESARI NANDAN K S	Online Compiler with Test Cases Validation	TEQUED LABS	1st Sep2022 to 30th sep 2022
70	1RR19CS065	KIRAN N	AUTOMATED PARKING SYSTEM USING ML	COMPSOFT TECHNOLOGIES	23rd Aug to 27th sep 22
71	1RR19CS066	KONDALA ASRITA	Stockport | Predictive Sentiment Analysis	VARCONS TECHNOLOGY Pvt Ltd	23rd Aug to 27th sep 22
72	1RR19CS067	KRUTHIKA S MURTHY	ISERT LEARNING MANAGEMENT SYSTEM	Generis Techno logy Pvt Ltd	1st Sep2022 to 30th sep 2022
73	1RR19CS068	KUMAR C	BANGLORE HOUSE PRICE ANALYSIS	TEQUED LABS	1st Sep2022 to 30th sep 2022
74	1RR19CS069	KUSH UPADHYAY	Template on Blood Donor Management	Capgemini Pvt Ltd	3rd Oct 2022 to 3rd Nov 2022
75	1RR19CS070	LAKITH KUMAR GK	CREDIT CARD FRAUD DETECTION DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
76	1RR19CS071	LAKSHMIDEVI N G	Parkinson's disease detection	TEQUED LABS	1st Sep2022 to 30th sep 2022
77	1RR19CS072	LAVANYA N MURTHY	WEB APPLICATION MONITORING	Krish Technology	19th Aug 2022 to 19th Sept 2022
78	1RR19CS073	LIYAKAT ALI JOO	ONLINE ATTENDANCE MANAGEMENT SYSTEM	TEQUED LABS	1st Sep2022 to 30th sep 2022
79	1RR19CS074	MADAN KUMAR D N	CREDIT CARD FRAUD DETECTION DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022

80	1RR19CS075	MADHUSHALINI M	Chatbot for Healthcare System using AI	COMPSOFT TECHNOLOGIES	23rd Aug to 27th sep 22
81	1RR19CS076	MANOJ S J	job portal	Tequed Labs	1st Sep2022 to 30th sep 2022
82	1RR19CS077	MANSI YADAV	PARKINSON'S DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
83	1RR19CS078	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 Pvt Ltd	23rd Aug to 27th sep 22
86	1RR19CS081	MEGHANA RAJASHEKAR	Web Development	worInWell	25th Sep2022 to 25th Nov 2022
87	1RR19CS082	MEGHANA S	CROP RECOMMENDATION MODEL	TECHNOFLY SOLUTIONS	1st Sep2022 to 30th sep 2022
88	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	1RR19CS086	MOHAMMED REEHAN ALAM	Online Attendence Management System	Tequed Labs	1st Sep2022 to 30th sep 2022
92	1RR19CS087	MOHAMMED ZUBAIR	PARKINSON'S DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
93	1RR19CS088	MOHAN N	Heart Disease Prediction	Edunet Foundation	19th sep2022 to 11th nov 2022
94	1RR19CS089	MONIKA N	MOVIE TICKET BOOKING	TECHNOFLY	25th sep to 25th nov 2022
95	1RR19CS091	MUKTHA S	Media Player	iNube Software Private Limited	22 Aug to 22 sep 2023
96	1RR19CS092	NAGAPRASAD K R	PREDICT THE NEXT WORD	TEQUED LABS	1st Sep2022 to 30th sep 2022
97	1RR19CS093	NAGASHREE S	VIRTUAL ASSISTANT FOR VISUALLY IMPAIRED	COMPSOFT TECHNOLOGIES	2nd Sep2022 to 2nd Nov 2022
98	1RR19CS094	NANDISH K	Chatbot for Healthcare System using AI	COMPSOFT TECHNOLOGIES	23rd Aug to 27th sep 22
99	1RR19CS095	NAYANA B C	VIRTUAL ASSISTANT FOR VISUALLY IMPAIRED	COMPSOFT TECHNOLOGIES	2nd Sep2022 to 2nd Nov 2022
100	1RR19CS096	NEHA R SINDHE	THEME PARK MANAGEMENT SYSTEM	TEQUED LABS	1st Sep2022 to 30th sep 2022
101	1RR19CS097	NIRANJAN R	IPL BATTING ANALYSIS	TEQUED LABS	1st Sep2022 to 30th sep 2022
102	1RR19CS098	P HARSHITHA	HOUSE PRICE PREDICTION	TEQUED LABS	1st Sep2022 to 30th sep 2022
103	1RR19CS099	P S VIJAYARANGAN	PARKINSON'S DATASET	TEQUED LABS	1st Sep2022 to 30th sep 2022
104	1RR19CS100	PARAMESHWARI M	Socr heights and weight dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
105	1RR19CS101	POOJA S	Ready 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	1RR19CS103	PRAGATHI K	Indian startup funding datase	Tequed Labs	1st Sep2022 to 30th sep 2022
108	1RR19CS104	PRAJWAL R	Chatbot for Healthcare System using AI	Compsoft 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	Compsoft Technologies	23rd Aug to 27th sep 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	Tequed Labs	1st Sep2022 to 30th sep 2022
115	1RR19CS111	PUTHA SRI HARI REDDY	Template for online Yoga Training Center	Varcons Technologies Pvt.Ltd	23rd Aug to 27th sep 22
116	1RR19CS113	RAGHAVENDRA H K	iPL Batting Analysis	Tequed Labs	1st Sep2022 to 30th sep 2022
117	1RR19CS114	RAHUL RAI KJ	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
118	1RR19CS115	RAKESH P M	Guess the next word	Tequed Labs	1st Sep2022 to 30th sep 2022
119	1RR19CS116	RAKSHITH KUMAR D	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
120	1RR19CS117	RASHMI B M	Rain fall prediction using Machine Learning	Tech Fortune	25th Aug to 25th sep 2022
121	1RR19CS118	ROHAN R	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
122	1RR19CS119	ROHITH S	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
123	1RR19CS120	RUCHITHA V	Rain fall prediction using Machine Learning	Tech Fortune	25th Aug to 25th sep 2022
124	1RR19CS121	SAGAR	Parkinson's Dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
125	1RR19CS122	SAGAR K	iPL Batting Analysis	Tequed Labs	1st Sep2022 to 30th sep 2022
126	1RR18CS070	MANISHA K M	Ready to travel	Tequed Labs	1st Sep2022 to 30th sep 2022
127	1RR18CS073	MANOJ U K	"Music genre classification using neural network	Tequed Labs	1st Sep2022 to 30th sep 2022
128	1RR18CS099	PRAJWAL	Ready to travel	Tequed Labs	1st Sep2022 to 30th sep 2022

129	1RR18CS076	MOHAMMED SAYED S	E-Commerce Website	Aides Engg private Limited	23rd Aug2022 to 22nd Sep 2022
130	1RR19CS123	SAGAR R	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
131	1RR19CS124	SAHANA B M	Fake news detection dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
132	1RR19CS125	SAHANA RAJA	Bangalore Placement Statistics data	Tequed Labs	1st Sep2022 to 30th sep 2022
133	1RR19CS126	SAHANASHREE	Fake news detection dataset	Tequed Labs	1st Sep2022 to 30th sep 2022
134	1RR19CS127	SAI PAVAN B N	Fake currency Detection Using machine learning	Tequed Labs	1st Sep2022 to 30th sep 2022
135	1RR19CS128	SAMYUKTHA R	Web Development	Tech Fortune	25th Aug to 25th sep 2022
136	1RR19CS129	SAMYUKTHA S	Web Development	Tech Fortune	25th Aug to 25th sep 2022
137	1RR19CS130	SANSKAR DROLIA	Template- To Check ticket availability	Varcons Technologies Pvt Ltd	23rd Aug to 27th sep 22
138	1RR19CS131	SANTHOSH R	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
139	1RR19CS132	SANTOSH K	Indian Used Bikes Data	Tequed Labs	1st Sep2022 to 30th sep 2022
140	1RR19CS133	SHAHYA ASHUMA A	Machine Learning with R	Tech Fortune	25th Aug to 25th sep 2022
141	1RR19CS134	SHANKARLING KALASHETTY	Click up File Manager	Clickup	Sep 22 to jan 23
142	1RR19CS135	SHASHWTH S KHARVI	Predict the next word	Tequed Labs	1st Sep2022 to 30th sep 2022
143	1RR19CS136	SHEEBALAKSHMI S	Iot based home Automation System	Enthu Technology Solution Pvt Ltd	12 sep 22 to 30 sep 22
144	1RR19CS137	SHIBIN C REJI	Template for Online Strength training Center	Varcons Technologies Pvt Ltd	23 Aug 22 to 27 th sep 22
145	1RR19CS138	SHIREESHA Y A	Inventory Management system	Thaniya Technologies	22rd Aug to 22sep 22
146	1RR19CS140	SHREE KRISHNA	Inventory Management system	Thaniya Technologies	22rd Aug to 22sep 22
147	1RR19CS141	SHREYANKA J T	Burned Calories Prediction	Tequed Labs	1st Sep2022 to 30th sep 2022
148	1RR19CS142	SHRIDEV UDUPA E S	College website port folio	Tequed Labs	1st Sep2022 to 30th sep 2022
149	1RR19CS143	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	1RR19CS145	SHYAM SUNDAR G	Movie Recommendation website	Aides Engg private Limited	Aug 22to sep 22
152	1RR19CS146	SIDDESHA O B	Personal portfolio website	Aides Engg private Limited	Aug 22to sep 22
153	1RR19CS147	SIMPLE K S	Yoga Fitness website	Aides Engg private Limited	Aug 22to sep 23
154	1RR19CS148	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	1RR19CS150	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	1RR19CS152	SOWMYA M N	Covid Awareness Website	Aides Engg private Limited	Aug 22to sep 22
159	1RR19CS154	SRIGOWRI N	Video Player Application	iNube Software Private Limited	22rd Aug to 22sep 22
160	1RR19CS155	SRIVALLI N	Personal Blog website	Aides Engg private Limited	Aug 22to sep 22
161	1RR19CS156	SUHAS CHANDRAN R	Iot based home Automation System	Enthu Technology Solution Pvt Ltd	12 sep 22 to 30 sep 22
162	1RR19CS157	SUMAIYA NADEEM	"GLOBAL UNEMPLOYMENT ANALYSIS	Tech Fortune Technologies	21 Aug to 19th sep 22
163	1RR19CS158	SUMANTH S	Cloud Based Reminder	Ragsol technologies Pvt ltd	Aug 22 to sep 23
164	1RR19CS159	SUMANTH V	Isert Learning management System	Generis Technologies Private Limited	9 th Aug to 9 sep 22
165	1RR19CS160	SURYAKANTH MASTAPPA NAIK	BRIGHT EYE-AN ONLINE LEARN	TECH FORTUNE TECHNOLOGIES	21st Aug 2022 to 23rd Sep 2022
166	1RR19CS161	SUSHMITHA M	INVENTORY MANAGEMENT SY	THANIYA TECHNOLOGY	22nd Aug2022 to 22nd Sep 2022
167	1RR19CS162	SYED MANSOOR	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st Nov to 30th Nov 2022
168	1RR19CS163	T KARTHIK	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	1RR19CS165	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	1RR19CS167	VARSHA P	NETFLIX CLONE	HINDUSTAN AERONAUTICS LIMITED	14th Sep 2022 to 12th Oct 2022
173	1RR19CS168	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 AERONAUTICS LIMITED	14th Sep 2022 to 12th Oct 2022
175	1RR19CS170	VIJETH S GOWDA	AI BASED 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	1RR19CS173	VINUSHREEE K	College Website Protofolio	TEQUED LABS	1st sep2022 to 30th sep 2022
178	1RR19CS174	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	1RR19CS177	YASHAS RAYALA T	CLOUD BASED REMINDER	RAPSOL Technologies Pvt Ltd	22nd Aug 2022 to 23rd Sep 2022
182	1RR19CS178	YASHASWINI C E	ONLINE FURNITURE SHOPPING	THANIYA TECHNOLOGIES	23rd Aug 2022 to 23rd Sep 2022
183	1RR19CS179	YASHI BILTHARIYA	TEMPLATE TO CHECK THE RAILWAY TICKET AVAILABILITY	VARCONS TECHNOLOGIES Pvt Ltd	23rd Aug 2022 to 27th Sep 2022
184	1RR19CS180	YASHWANTH M	FASHION MNIST DATA CLASSIFICATION	Coincent ai	25th Nov 2022 to 25th Jan 2022
185	1RR19CS181	YELLA LALITH SAI	FAKE CURRENCY DETECTION USING MACHINE LEARNING	TEQUED LABS	1st sep2022 to 30th sep 2022
186	1RR19CS182	ZAHID HUSSAIN LONE	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st oct 2022 to 30th oct 2022
187	1RR18CS136	SMARTHI	ANNUAL INCOME DATASET	TECH FORTUNE	21st Aug 2022 to 19th Sep 2022
188	1RR19CS112	R SHOBHA	BANGLORE PLACEMENT STATISTICS DATA	TEQUED LABS	1st sep2022 to 20th sep 2022
189	1RR20CS400	DEVIKA HN	LANGUAGE TRANSLATOR	Technofly solution	20th Aug 2022 to 20th Sep 2022
190	1RR20CS402	NIKITHA GJ	HOTEL BOOKING WEBSITE	THE SPARKS FOUNDATION	1st Nov to 30th Nov 2022
191	1RR20CS403	PRATHIBHA M	LANGUAGE TRANSLATOR	Technofly solution	20th Aug 2022 to 20th Sep 2022
192	1RR20CS405	SAPTHAMI SN	LANGUAGE TRANSLATOR	Technofly solution	20th Aug 2022 to 20th Sep 2022
193	1RR20CS407	YOGITHA L	Fake News Detection of Dataset	TEQUED LABS	1st sep2022 to 20th sep 2022

Internship Co-ordinators

Dr Usha S
HoD

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

{KRISH}

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

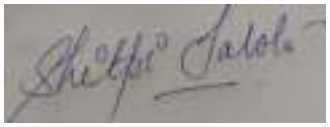
This is to certify that **Ms.CHAITHANYA M** bearing USN No: 1RR19CS026 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

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

Varcons Technologies Pvt Ltd

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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 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

VARCONS TECHNOLOGIES Pvt Ltd AUTHORIZED SIGNATORY

Spoorthi C
Director
Varcons Technlogoies Pvt Ltd

213, 2nd Floor
18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com
contact@varconstech.com

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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

VARCONS TECHNOLOGIES Pvt Ltd AUTHORIZED SIGNATORY

Spoorthi C

Director

Varcons Technlogoies Pvt Ltd

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18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

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Insurance Tech. Simplified.

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

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#31, 2nd Floor, Kothanur main road
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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

languify

INTERNSHIP
CERTIFICATION

This is to certify that

Yashwanth 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

Coincent

DIRECTOR SIGNATURE

THE SPARKS FOUNDATION

INSPIRE. INNOVATE. INTEGRATE

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/

PRANAV DUBEY

MANAGING DIRECTOR

Scanned with CamScanner

Collasalhub

Collasalhub IT Services

Tower A, 4, AMR Tech Park, Internal Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068

Website - collasalhub.com

Abhishek Pandey **30th Sept 2022**

Machine Learning - Intern

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 - collasalhub.com

Collasalhub IT Services,
CIN: U7599P482C365563

STUDENT ID NO.- D-79

DUCAT

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+ *Grade.*

The program was conducted during the period

1 Sep, 2022 *to* **30 Sep, 2022**

given under the seal of Ducat Noida.

Program Co-ordinator

Director

Completion Certificate of Industrial Training

INTERNSHALA

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.

DIRECTOR, TRAINING SERVICES

29 September 2022

Honeywell

Honeywell Technology Solutions Lab Pvt. Ltd.
Survey No. 96 & 97, Boganahalli Village,
Survey No. 72/2 & 72/5, Doddakannahalli Village,
Varthur Hobli, Bengaluru 560 103
Tel : +91 80 2658 8360
Fax No : +91 80 2658 4750
CIN No : U72200KA1994FTC016379
HTS-Communication@honeywell.com
www.honeywell.com

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@honeywell.com

For Honeywell Technology Solutions Lab Pvt. Ltd.,

Manisha Goel

Manisha Goel
Director HR

aideas
engineering and software

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

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 Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD.
No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

Reg. No : AAB9565

inventeron
nothing but smart.

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Keerthan Gowda H.K

has completed internship on Linear Regression Analysis on Continuous data for Machine Learning

from 05 SEP 2022 to 05 OCT 2022 successfully.

We wish this intern all the best for future endeavours.

Managing Director

www.inventeron.com

BOSCH

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. U29221KA2008PTC045967

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.

Chandrakala

(Chandrakala Basavaraju)
Deputy Manager-Human Resources

BOSCH AUTOMOTIVE ELECTRONICS INDIA PVT. LTD.

COMPANYCERTIFICATE

Capgemini

Capgemini Technology Services India Limited
(Formerly known as SGATE 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

[illegible]

COMPANY CERTIFICATE

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that Alisha. S a student of Raja Rajeshwari College of Engineering has completed 1 montha/weeks of Internship From 25/08/22 To 25/09/22 in Artificial Intelligence using Python Domain.

We wish you all the best in your future endeavors.

Date : 25/09/22

For TechnoFly Solutions

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

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 Master of Computer Applications

Students Internship Details 2022-23

USN	Name	Title of Collabrative	Name of Collabarative Agency	Duration
1RR21MC001	A Rajkumar	Low cost grocery finder Application	TechCiti technologies private limited	20-10-2022 to 02-12-2022
1RR21MC002	Abhishek S	Covid care plasma donation	Dream Buzz Solutions	20-10-2012 to 02-12-2022
1RR21MC004	Amrutha S	Cloud Computing using VGRT Technology	Webblitz Software	20-10-2022 to 27-11-2022
1RR21MC005	Anusha S	Cloud Computing using VGRT Technology	Webblitz software	20-10-2022 to 27-11-2022
1RR21MC006	Archana R Mulge	eCommerce website Design using python with django	Techciti Technologies Private Limites	20-10-2022 to 02-12-2022
1RR21MC007	Ashish Krishna P	Warehouse Item management	PepperTree.AI.Pvt	21-10-2022 to 26-11-2022
1RR21MC008	Bhavana G	Cloud Computing using VGRT Technology	Webblitz Software	20-10-2022 to 27-11-2022
1RR21MC009	Bhavya C	Instant news Portal	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC010	Bhavyashree V	Instant news Portal	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC011	Chandan K	Serving for starvation	TechCiti technologies private Limited	20-10-2022 to 02-12-2022
1RR21MC012	Chandana K L	Fee report of student management system in Java	Webblitz Software	20-10-2022 to 27-11-2022
1RR21MC013	Chandana N L	Fee report of student management system in Java	Webblitz Software	20-10-2022 to 27-11-2022
1RR21MC014	Darshan P	Sign learning application	Dream Buzz Solution	20-10-2012 to02-12-2022
1RR21MC015	Deeraj C	Warehouse Item Management	PepperTree.AI.Pvt	21-10-2022 to 26-11-2022
1RR21MC016	Dhanushree R S	Bitcoin price prediction	Webblitz software	20-10-2022 to 27-11-2022
1RR21MC017	Diana Jennifer S	Cloud computing using vgrt technology	Webblitz software	20-10-2022 to 27-11-2022
1RR21MC018	Faisal Pasha A	Instant news Portal	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC019	Gagan G R	Internet Banking Application	Techciti Technologies Private Limites	20-10-2022 to 02-12-2022
1RR21MC020	Girish	Gym website portal	Svarks technology	20-10-2022 to 25-11-2022
1RR21MC021	Harsha M	Bus pass management	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC022	Harshavardhana R	Internet Banking Application	Techciti Technologies Private	20-10-2022 to 02-12-2022

			Limited	
1RR21MC023	Harshitha H N	Covid care plasma donation	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC024	Harshitha P V	Covid care plasma donation	Dream Buzz solutions	20-10-2012 to02-12-2022
1RR21MC025	Jaishankar M	E Veterinary for Animal Solution	Dream Buzz Solution	20-10-2012 to02-12-2022
1RR21MC026	Javeed Pasha	E Veterinary for Animal Solution	Dream Buzz Solution	20-10-2012 to02-12-2022
1RR21MC027	Jayashree p nirolli	Fee report of student management system in Java	webblitz software	20-10-2022 to 27-11-2022
1RR21MC028	Jyothi Ashok desai	Fee report of student management system in Java	webblitz software	20-10-2022 to 27-11-2022
1RR21MC029	Likhitha K B	Bitcoin price prediction	webblitz software	20-10-2022 to 27-11-2022
1RR21MC030	Madhu Srinivas M	Bitcoin price prediction	webblitz software	20-10-2022 to 27-11-2022
1RR21MC031	MadhuKumar A P	Bus Ticket swapping	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC032	Mahadevprasad H S	Bitcoin price prediction	webblitz software	20-10-2022 to 27-11-2022
1RR21MC033	Mallikarjun	Bus tickets Swapping	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC034	Manoj S	Internet Banking Application	TechCiti Technologies Private Limited.	20-10-2022 to 02-12-2022
1RR21MC035	Meghana R	Fee report of student management system in Java	webblitz software	20-10-2022 to 27-11-2022
1RR21MC036	Monika R	Online Banking System	TechCiti Technologies Private Limited.	20-10-2022 to 02-12-2022
1RR21MC037	Niranjan R	Online bus reservation and swapping tickets system	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC038	Nisarga B	Warehouse Item management	PepperTree.AI.Pvt	21-10-2022 to 26-11-2022
1RR21MC039	Nischitha A P	Fee report of student management system in Java	Webblitz software	20-10-2022 to 27-11-2022
1RR21MC040	Nischitha M	Covid care plasma donation	Dream buzz solution	20-10-2012 to02-12-2022
1RR21MC041	Prasad H R	Gym website portal	svarks technology	20-10-2022 to 25-11-2022
1RR21MC042	Premanth Gowda T S	online bus reservation and swapping tickets	Dream buzz solution	20-10-2012 to02-12-2022
1RR21MC043	Pushpalatha G	Covid care plasma donation	Dream buzz solution	20-10-2012 to02-12-2022
1RR21MC044	Rahul R Bhat	Bus pass management	Dream Buzz Solutions	20-10-2012 to02-12-2022
		Online Bus Reservation and Swapping Tickets	Dream Buzz	20-10-2012 to02-12-

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 Master of Computer Applications

1RR21MC046	Shraddha S	Warehouse Item Management	PepperTree.AI.Pvt	21-10-2022 to 26-11-2022
1RR21MC047	Shreya Prakash Hegde	Warehouse Item Management	PepperTree.AI.Pvt	21-10-2022 to 26-11-2022
1RR21MC048	Tilak H N	Internet Banking Application	Techciti Technologies Private Limited	20-10-2022 to 02-12-2022
1RR21MC049	Uday S N	Bitcoin price prediction	webblitz software	20-10-2022 to 27-11-2022
1RR21MC050	Varun R	Online Bus Reservation and Swapping Tickets System	Dream Buzz solution	20-10-2012 to02-12-2022
1RR21MC051	Vidyasagar	Full stack web development	Dream Buzz solution	20-10-2012 to02-12-2022
1RR21MC052	Vinod Kumar G	Machine learning using python	Take it Smart	31-10-2022 to 30-10-2022
1RR21MC053	Yashaswini K S	Bitcoin price prediction	Webblitz software	20-10-2022 to 27-11-2022
1RR21MC054	Yathishwar B	Online Banking System	Techciti	20-10-2022 to 02-12-2022
1RR21MC055	Yogeesh D R		Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC056	Dhanush R	Sign learning application	Dream Buzz Solutions	20-10-2012 to02-12-2022
1RR21MC058	Varshini S	BItcoin price prediction	webblitz software	20-10-2022 to 27-11-2022
1RR21MC059	Ponnapureddy Sai Sugandiswara Reddy	Serving for starvation	TechCiti technologies private Limited	20-10-2022 to 02-12-2022
1RR21MC060	Vinay G B	Serving for starvation	TechCiti technologies private Limited 6 Weeks	20-10-2022 to 02-12-2022

Internship coordinator

HOD MCA

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC001)** 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 ofthe 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

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**: support@techciti.in **Website**: www.techciti.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.

Sincerely,

BANGALORE

Manager

Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

is 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 Guide
Dr. Annu Sharma
Assoc.Profesor
Dept. of MCA

Signature of HOD
Dr. T Subburaj
HOD
Dept. of MCA

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Abhishek S (USN: 1RR21MC002** 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

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

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 (1RR21MC004)** 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
Dr. Annu Sharma
Associate.Prof
Dept. of MCA

Signature of HOD
Dr. T Subburaj
HOD
Dept. of MCA

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Anrutha S (Reg No:- 1RR21MC004) 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

Raghavendra G

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC005)** 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

GSTIN : 29AYQPR1778L1ZB

[redacted] **WEBBLITZ SOFTWARES**

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Anusha S (Reg No:- 1RR21MC005) 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

Raghavendra G

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

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 (1RR21MC006)** 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 ofthe Internship work prescribed for the said degree.

Signature of Guide

Signature of HOD

TECHCITI

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** support@techciti.in **Website:** www.techciti.in

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: 1RR21MC006) 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.

Sincerely,

BANGALORE

Manager

Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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.

Signature of Guide **Signature of HOD** **Signature of External**

PepperTree.AI

PepperTree.AI 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

eSign Signed by: Manjunatha 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. Anna 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	Signature of the HOD	Signature of Principal
Dr. Annu Sharma Associate Professor Dept of MCA	Dr. T. Subburaju HOD Dept of MCA	**Dr. Balakrishna R** Prof and Principal RRCE, Bangalore

CERTIFICATE

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Bhavana G (Reg No: 19821MC008) **students of "Rajarajeswari College Of Engineering", Bangalore has successfully completed her Internship on Java from** WebBlitz Softwares **from 10th 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 G

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 : 7406884363

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC009)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Bhavya C (USN: 1RR21MC009** 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 : 29GMXPS1970J 1ZR)

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

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 (1RR21MC010)** 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

DREAM BUZZ

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 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

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

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(1RR21MC011)** the student of **"Raja Rajeswari College of Engineering"** in partial fulfilment of **3h 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 Annu Sharma
Associate Professor Dept of MCA

Signature of HOD
Dr Subbu Raju
HOD Dept of MCA

TechCiti Technologies Private Limited.
CIN: U72200KA2013PTC066493 D-U-N-S No.: 87-40-48268
No. 22,23,24,25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078.
Landline: 080 4162 8482 **Email**: support@techciti.in **Website**: www.techciti.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. **Chandan K** (USN: 1RR21MC011) 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, 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.

Sincerely,

Manager
Human Resources Department
TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC012)** 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 requirementsin 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 SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Chandana K L (Reg No:- 1RR21MC012) 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

Raghavendra G

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 N L (1RR21MC013)** 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 requirementsin 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 SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Chandana N L (Reg No:- 1RR21MC013) 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

Raghavendra G

2938, 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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 SIGN LEARNING APPLICATION"** carried out by **Darshan P (1RR21MC014)** 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

DREAM BUZZ

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

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

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

(1RR21MC015)

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

PepperTree.AI Pvt.

CERTIFICATION OF COMPLETION

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

eSign Signed by: Manjunatha 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

"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 Ms. Dhanushree RS (Reg No:- 1RR21MC016) 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 G

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

Scanned with OKEN Scanner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 **DIANA JENNIFER.S (1RR21MC017)** 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

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Diana Jennifer. S (Reg No:- 1RR21MC017) 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

Raghavendra G

2536, 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 : 7406584263

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 **Faisal Pasha A (1RR21MC018)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Faisal Pasha A (USN: 1RR21MC018** 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

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

Jnana Sangama, Belagavi-590018, Karnataka, India

Internship Report on

" JAVA FULL STACK ON INTERNET BANKING APPLIACTION"

Submitted in partial fulfillment 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) 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"** carried out by **GAGAN GR (1RR21MC019)** 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

Signature of HOD

Dr. T Subburaj
HOD
Dept. of MCA

TECHCITI

TechCiti Technologies Private Limited.

CIN: U72200KA2013PTC068461 **D-U-N-S No.:** 87 40 45298

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

Ref.No.TTPL/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.

Sincerely,

Manager

Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 **"BACKEND DEVELOPER ON GYM WEBSITE PORTAL"** carried out by **GIRISH (1RR21MC020)** 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 allcorrections/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

svarks

Together, we grow

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: 1RR21MC020 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.

Thanking you,

Arkesh

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 (1RR21MC021)** 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

DREAM BUZZ

CERTIFICATE

This is to certify 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 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

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

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

(1RR21MC022)

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)

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"** carried out by **Harshavardhana R (1RR21MC022)** 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 K R
Assistant. Prof
Dept. of MCA

Signature of HOD
Dr. T Subburaj
Dept. of MCA

TECHCITI

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**: support@techciti.in **Website**: www.techciti.in

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.

Sincerely,

BANGALORE

Manager
Human Resources Department
TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 COVID CARE"** carried out by **Harshitha H N (1RR21MC023)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Harshitha H N (USN: 1RR21MC023** 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

PROPRIETOR

Suresh M P

Head of the company

Dated: 02/12/2022

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info@dreambuzz.in
Vijayanagar 2nd Stage

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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) 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 covid care"** carried out by **Harshitha P V (1RR21MC024)** 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

DREAM BUZZ

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

Suresh M 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

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

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 **Jai Shankar M (1RR21MC025)** 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

DREAM BUZZ

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

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

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

(1RR21MC026)

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

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 **Javeed Pasha (1RR21MC026)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Javeed pasha (USN: 1RR21MC026** 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

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

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

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 **JAYASHREE P N (1RR21MC027)** 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 requirementsin 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 Ms. Jayashree P Nirolli (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

Raghavendra G

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **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 requirementsin 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

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Jyoti A Desai (Reg No:- 1RR21MC028) 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
Raghavendra G

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

Scanned with OKEN Scanner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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**
LIKHITHA K B	**1RR21MC029**

During the academic year 2022-2023

Internal Guide

Prof. Deepa K R
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 Ms. Likhitha K B (Reg No:- 1RR21MC029) 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 G

#2035, 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 : 7406884383

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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)

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
MADHUSRINIVAS M	1RR21MC030

During the academic year 2022 - 2023

14/8/23

Internal Guide

Prof. Deepa K R
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 Mr. Madhu Srinivas M (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

Raghavendra G

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **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

DREAM BUZZ

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 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: 02/12/2022

+91 88846 44589
Drea
mbuzz.in
info@dreambu

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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
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

GSTIN : 29AYQPR1778L1ZD

WEBBLITZ SOFTWARES

Certificate

Subject - Internship Completion Certificate

Dear sir/Madam

This is to certify that Mr. Mahadev prasad HS (Reg No - 1RR21MC032) 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

Raghavendra G

2936, 1st Floor, BMK 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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **Mallikarjun BY (1RR21MC033)** 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

Dr.T Subburaj
Asst. Professor
Dept. of MCA

Signature of HOD

Dr.T Subburaj
Asst. Professor
Dept. of MCA

DREAM BUZZ

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 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: 02/12/2022

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info@dreambu
zz.in

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC034)** 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 ofthe 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 D-U-N-S No.: 87-40-48200

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

Ref.No.TTPL/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.

Sincerely,

Manager

Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **MEGHANA R (1RR21MC035)** 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 requirementsin 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

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Meghana R (Reg No:- 1RR21MC035) 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

Raghavendra G

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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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC036)** 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 ofthe 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: U72200KA2013PTC068401 **D-U-N-S No.:** 87-401-48298
No. 22,23,24,25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078.
Landline: 080 4162 8482 **Email:** support@techciti.in **Website:** www.techciti.in

Ref.No.TTPL/2022-2023/HRD/INT4879
Date: 02nd December, 2022

TO WHOMSOEVER 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 internship 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.

Sincerely,

Manager
Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC037)

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 **NIRANJAN R (1RR21MC037)**, 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 Subbaraj
HOD
Dept. of MCA

Signature of HOD
Dr.T Subbaraj
HOD
Dept. of MCA

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Niranjan R (USN: 1RR21MC037** 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

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

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

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 **Nisarga B (1RR20MC038)** 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

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

eSign Signed by: Manjunatha N S
Reason: certificate
Location: Bengaluru, India
Date: 27-Nov-2022 (20:07 PM)

Authorized signatory

GSTI no:29AALCP1737B1ZG

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

(1RR21MC039)

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

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 **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 requirementsin 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

GSTIN : 29AYQPR1778L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Nischitha A P (Reg No:- 1RR21MC039) 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

Raghavendra G

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

Scanned with OKEN Scanner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

(1RR21MC040)

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

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 **NISCHITHA -M (1RR21MC040)** 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

DREAM BUZZ

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 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

PROPRIETOR

Suresh M P

Head of the company

Dated: 26/11/2022

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **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 Subburaj
HOD
Dept. of MCA

Signature of HOD
Dr. T Subburaj
HOD
Dept. of MCA

svarks

Together, we grow

Ref: SVARKS/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 Kalidasa layout, Srinagar, Bangalore-560050.

Prasad with USN: 1RR21MC041 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.

Thanking you.

Arkesh

Assistant Manager - Human Resources,

SVARKS Technologies and IT Solution

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC042)**, 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 Subbaraj
HOD
Dept. of MCA

Signature of HOD
Dr.T Subbaraj
HOD
Dept. of MCA

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **Pushpalatha.G (1RR21MC043)** 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

DREAM BUZZ

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.

Warm regards,

For 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

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

DREAM BUZZ

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 : 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 DREAMBUZZ SOLUTIONS

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

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.

Signature of Guide

Dr.T Subburaj
Professor
Dept. of MCA

Signature of HOD

Dr.T Subburaj
Professor
Dept. of MCA

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Rohith K R (USN: 1RR21MC048** from **Rajarajeswari College of Engineering ,Banglore)** has successfully completed the Internship on **"Full stack web development"** as part of course curriculum from 30/10/2022 to 02/12/2022 under the guidance of Suresh M P, Dream Buzz Solutions Mysuru. (GSTIN : 29GMXPS1970L1ZN)

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,

Suresh M P

Head of the company

Dated: 02/12/2022

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

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 **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

PepperTree.AI Pvt.

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

eSign Signed by: Manjunatha H 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

"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

(1RR21MC047)

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

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 **Shreya Prakash Hegde (1RR20MC047)** 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

PepperTree.AI 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

Signed by Manjunatha N G
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 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 (1RR21MC048)** student of "Rajarajeswari College of Engineering" in partial ulfillment of 3rd semester Master of Computer Applications of the Visvesvaraya Technological University, elgaum 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 ork prescribed for the said degree.

Signature of Guide
Prof Priyanka VG
Assistant. Prof
Dept. of MCA

Signature of HOD
Dr. T Subburaj
HOD
Dept. of MCA

TECHCITI

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:** support@techciti.in **Website:** www.techciti.in.

Ref.No.TTPL/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.

Sincerely,

Manager

Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 S N	1RR21MC049

During the academic year 2022 - 2023

Internal Guide

Prof. Priyanka V
Assistant Professor

Head of the Department

Dr. Subburaju
Professor/HOD

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Mr. Uday S N (Reg No:- IRR21MC049) 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

Raghavendra G

Scanned with OKEN Scanner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 **(1RR21MC050)**, 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

Signature of HOD
Dr.T Subbaraj
HOD
Dept. of MCA

DREAM BUZZ

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 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

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

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
Priyanka gudada
Asst. Professor
Dept. of MCA

Signature of HOD
Dr.T Subbaraj
HOD and
Professor
Dept. of MCA

DREAM BUZZ
SOLUTIONS

CERTIFICATE

This is to certify that **Mr/Ms. Vidyasagar (USN: 1RR21MC051** 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

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

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 (1RR21MC052)

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(1RR21MC052)** 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

Signature of HOD
Dr. T. Subburaj
HOD Dept of MCA

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Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

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Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

VINOD KUMAR G (1RR21MC052)

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed Internship in Machine Learning Using Python

From 31st October 2022 to 30th November 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

MSME #startupindia

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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
YASHASWINI K S	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

[redacted]

GSTIN : 29AYQPR1776L1ZB

WEBBLITZ SOFTWARES

Certificate

Subject - Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Yashaswini K S (Reg No - 1RR21MC053) 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 G

2536, 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 : 7406864353

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC054)** 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 ofthe 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.
CIN: U72200KA2013PTC068461 D-U-N-S No.: 87-40-40298
No. 22 23 24 25/101, BNR Complex, J.P. Nagar, Bengaluru, Karnataka 560078
Landline: 080 4162 8482 **Email**: support@techciti.in **Website**: www.techciti.in

Ref.No. TTPL/2022-2023/HRD/INT4886
Date: 02nd December, 2022

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. **Yathishwar B** (USN: 1RR21MC054) 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.

Sincerely,

Manager
Human Resources Department
TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC055)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Yogeesh D R (USN: 1RR21MC055** 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 perfoemance 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

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

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 (1RR21MC056)** 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

DREAM BUZZ

CERTIFICATE

This is to certify that **Mr/Ms. Dhanush R (USN: 1RR21MC056** 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

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

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
VARSHINI S	1RR21MC058

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
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

WEBBLITZ SOFTWARES

Certificate

Subject:- Internship Completion Certificate

Dear sir/Madam

This is to certify that Ms. Varshini S (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 G

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 : 7406884263

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 (1RR21MC059)** the student of **"Raja Rajeswari College of Engineering"** in partial fulfilment of **3h 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

TechCiti Technologies Private Limited.

CIN: U72200KA2019PTC068461 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**: support@techciti.in **Website:** www.techciti.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, 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.

Sincerely,

BANGALORE

Manager
Human Resources Department

TechCiti Technologies Private Limited.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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 (1RR21MC060)** 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

Signature of HOD
Dr. T. Subburaj
HOD Dept of MCA

TECHCITI

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:** support@techciti.in **Website:** www.techciti.in

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.

Sincerely,

TECHNOLOGIES PRIVATE LIMITED BANGALORE

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 21INT49 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 **21INT49 Inter/Intra Institutional Internship- Final presentation on 01/09/2023 as per the schedule given below**

Batch List

SL. NO.	Day and Date of presentation	Batch No. and Timings	USN	Student Name
1	Friday 01/09/2023	B1 8.30 am - 9.30 am	1RR21RA001	ASBIN DONY A
2			1RR21RA002	BALASARAVANA S
3			1RR21RA003	BHUMIKA H S
4			1RR21RA004	CHARANKUMAR K R
5		B2 9.30 am to 10.30 am	1RR21RA005	DEVARAJU
6			1RR21RA006	HAFSA FATHIMA
7			1RR21RA007	HARSHA A V
8			1RR21RA008	HEMANTH K
9		B3 10.30 am to 11.30 am	1RR21RA009	JEEVIKA D K
10			1RR21RA010	KEERTHI M R
11			1RR21RA011	LOHITH M R
12			1RR21RA012	MOHAMMED HAROON
13		B4 11.30 am-12.30 pm	1RR21RA013	MOHAN L
14			1RR21RA014	MOHAN M K
15			1RR21RA015	NAVEEN KUMAR S N
16			1RR21RA016	NISANKA MANSI
17		B5 1.30 pm-2.30 pm	1RR21RA017	NITHASHREE L
18			1RR21RA018	NITHYA B
19			1RR21RA019	SAMVRUDH N
20			1RR21RA020	SUHAS S VASISHTA
21		B6 2.30 pm -3.30 pm	1RR21RA021	TRISIT PAUL
22			1RR21RA022	VIHA TRUPTHI S PANDIT
23			1RR22RA400	NITHIN K
24			1RR22RA401	VENUGOPAL P
25			1RR22RA402	VITTHESH R R

Co-ordinator
Dr. N Sreenivasalu Reddy

HoD-RA
Professor & Head
Dept. of Robotics and Automation
RajaRajeswari College of Engineering
Bengaluru-74.

Copy to

1. Internship file
2. Dept NB
3. Coordinator
4. To be read in class

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Venu Gopal P

From Robotics and Automation with USN IRR21RA401 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Suhas S Vasishta

From Robotics and Automation with USN IRR21RA020 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Samvrudh N

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Nithya B

From Robotics and Automation with USN IRR21RA018 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Nishanka Mansi Chandran

From Robotics and Automation with USN IRR21RA016 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Mohan MK

From Robotics and Automation with USN IRR21RA014 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Lohith M R

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Haroon Khan

From Robotics and Automation with USN IRR21RA012 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Hafsa Fathima

From Robotics and Automation with USN IRR21RA006 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Bhumika H S

From Robotics and Automation with USN IRR21RA003 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.

14 JUNE 2023

Facilitator
COMEDKARES

Executive Secretary
COMEDKARES

COMED KARES
INNOVATION HUB

ROBOTICS
INTERNSHIP
PROGRAM

CERTIFICATE OF COMPLETION

This is to certify that

Balasaravana S

From Robotics and Automation with USN IRR21RA002 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.

14 JUNE 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

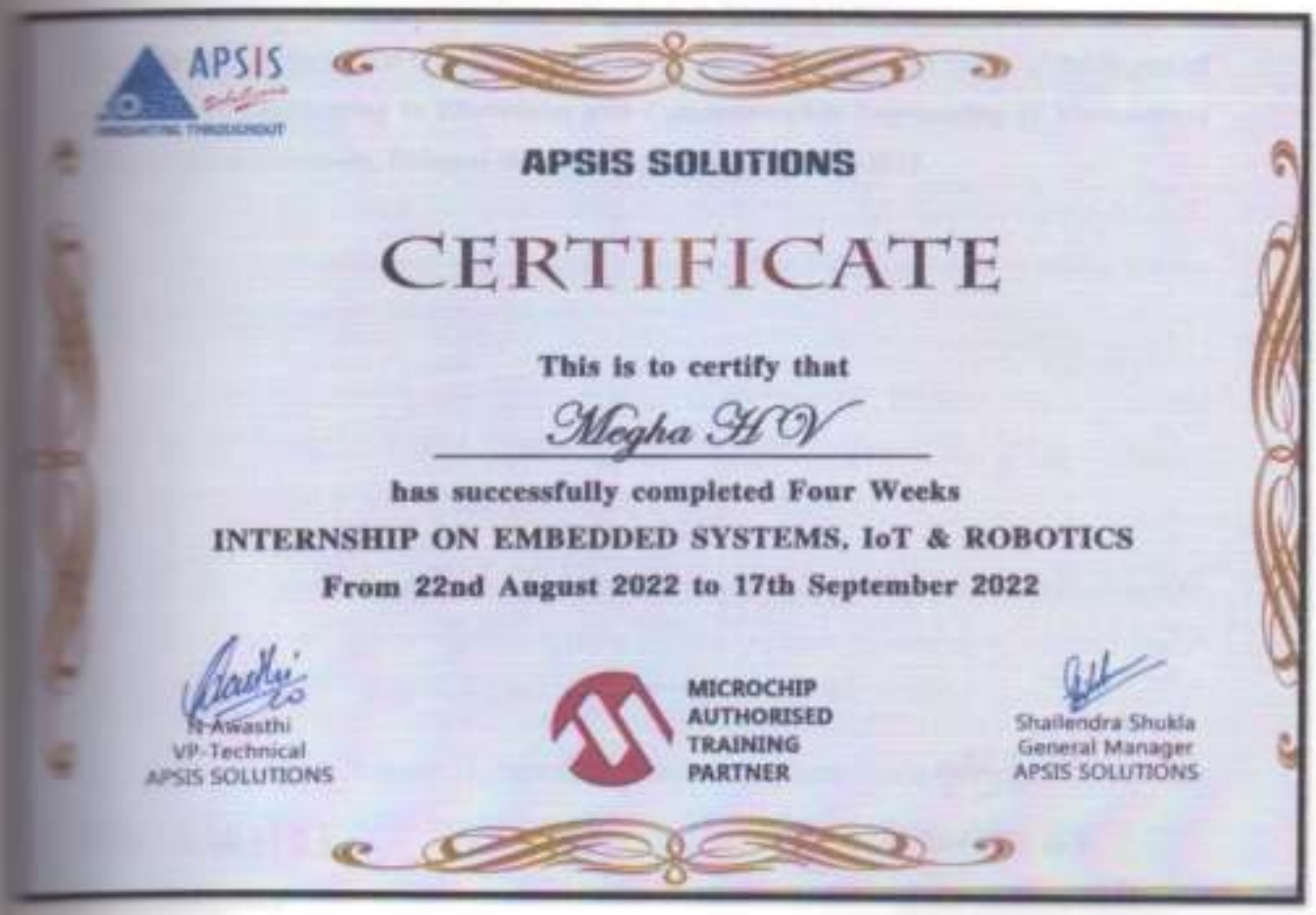
[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certified that the project work entitled **"EMBEDDED SYSTEMS, IoT & ROBOTICS"** is a Bonafide work carried out by **MEGHA H V (1RR19EC036)** 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 havebeen 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.

Signature of the Guide	Signature of the HOD 18/3/23	Signature of the Principal
Dr. S M Vijaya	**Dr. L Rangaiah**	**Dr. R. Balakrishna**
25/5/23	Dr. D. SOBYA 25/5/23	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74



APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Megha H V

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

R Aswathi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

VISVESVARAYA 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

[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

[ISO & 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

This is to certified that the project work entitled "EMBEDDED SYSTEMS, IoT & ROBOTICS" is a Bonafide work carried out by MEGHANA N (1RR19EC037) 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.

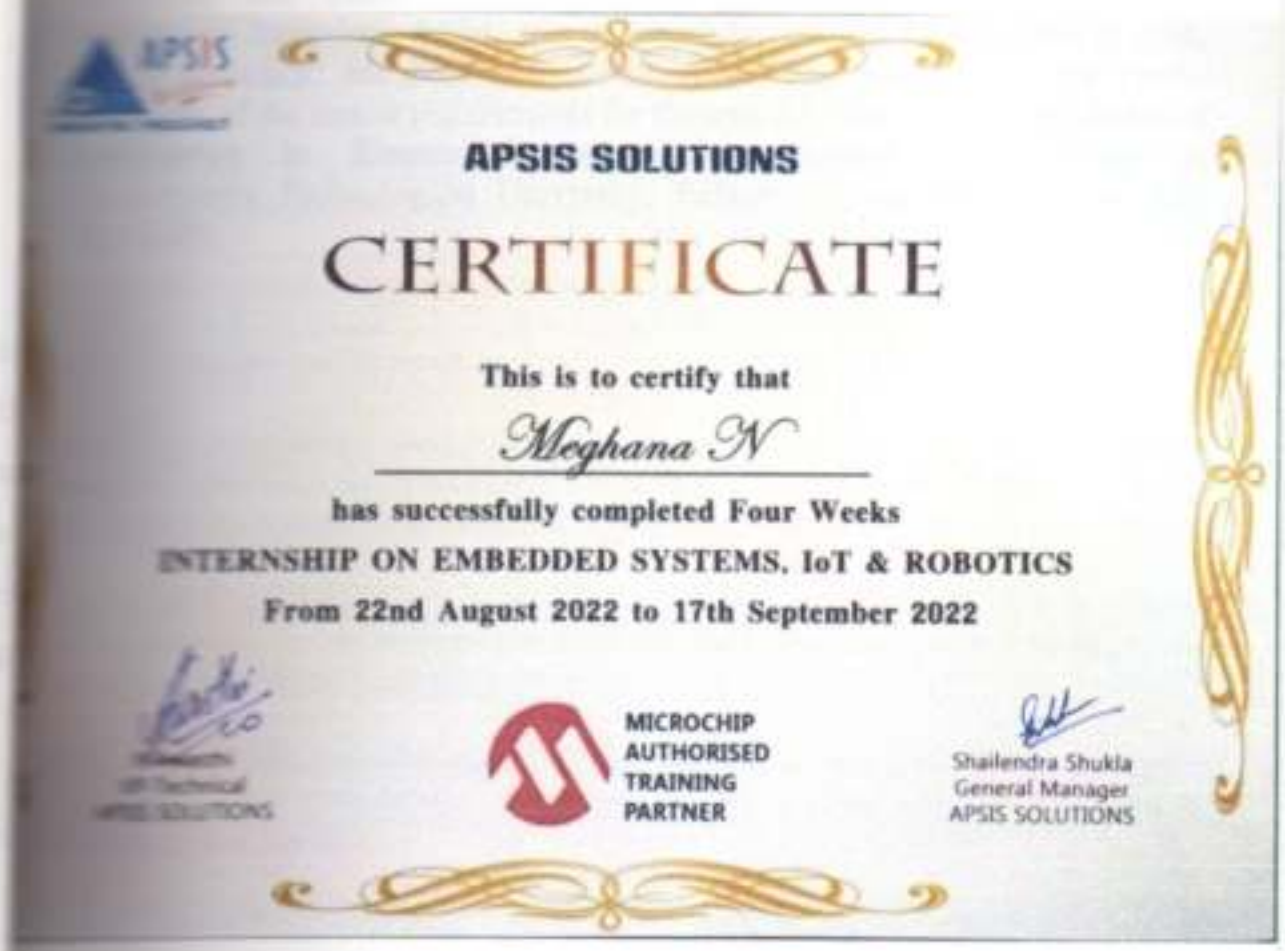
Signature of the Guide	Signature of the HOD	Signature of the Principal
Dr. S M Vijaya	Dr. L. Rangaiah	Dr. Balakrishna R Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

18/3/23

1. Dr. S M Vijaya
2. Lokesha

22/3/23

22/3/23



APSIS SOLUTIONS

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

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

[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

This is to certified that the project work entitled "MANUFACTURING OF AIRCRAFT" is a Bonafide work carried out by **MONIKA M K (1RR19EC038)** 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 havebeen 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.

Signature of the Guide	Signature of the HOD	Signature of the Principal
SURESH M	**Dr. L Rangaiah**	**Dr. R. Balakrishna** Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

24/5/23 24/5/23

AIRCRAFT DIVISION
BANGALORE COMPLEX
HINDUSTAN AERONAUTICS LIMITED

HAL

Post Bag No.1788, Bengaluru - 560017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A.HR/509/326 /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 Arockia Jothi)
Chief Manager (HR)

Ms. Monika M K,
BE(Electronics & Communication),
Rajarajeswari College of Engineering,
Bangalore.

www.hal-india.co.in

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

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

This is to certified that the Internship work entitled "TELECOMMUNICATION NETWORKING" is a Bonafide work carried out by MUNEEB GULL (1RR19EC039) 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.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Dr. Sumitha Manoj	Dr. L. Rangaiah	Dr. Balakrishna R Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

24/5/23

24/5/23

BSNL
Connecting India

(A GOVT OF INDIA ENTERPRISE)
Office of the GM BSNL BA SRINAGAR.

CERTIFICATE

No. - ESIT-2020-2021/V/83 Dated:-20-09-2022

This is to certify that **Muneeb Gull USN** No.1RR19EC039 Student of **Rajarajeshwari College of Engineering Bengaluru** has completed **Three weeks** industrial training in BSNL in the year 2022 W.e.f 29-08-2022 to 17-09-2022

The conduct and performance of the candidate has remained very good.

Sub Divisional Engineer(Admn)
O/o GM BSNL Srinagar.

Sub Divisional Engineer (Admn.)
o/o G. M. BSNL, Srinagar.

VISVESVARAYA 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

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

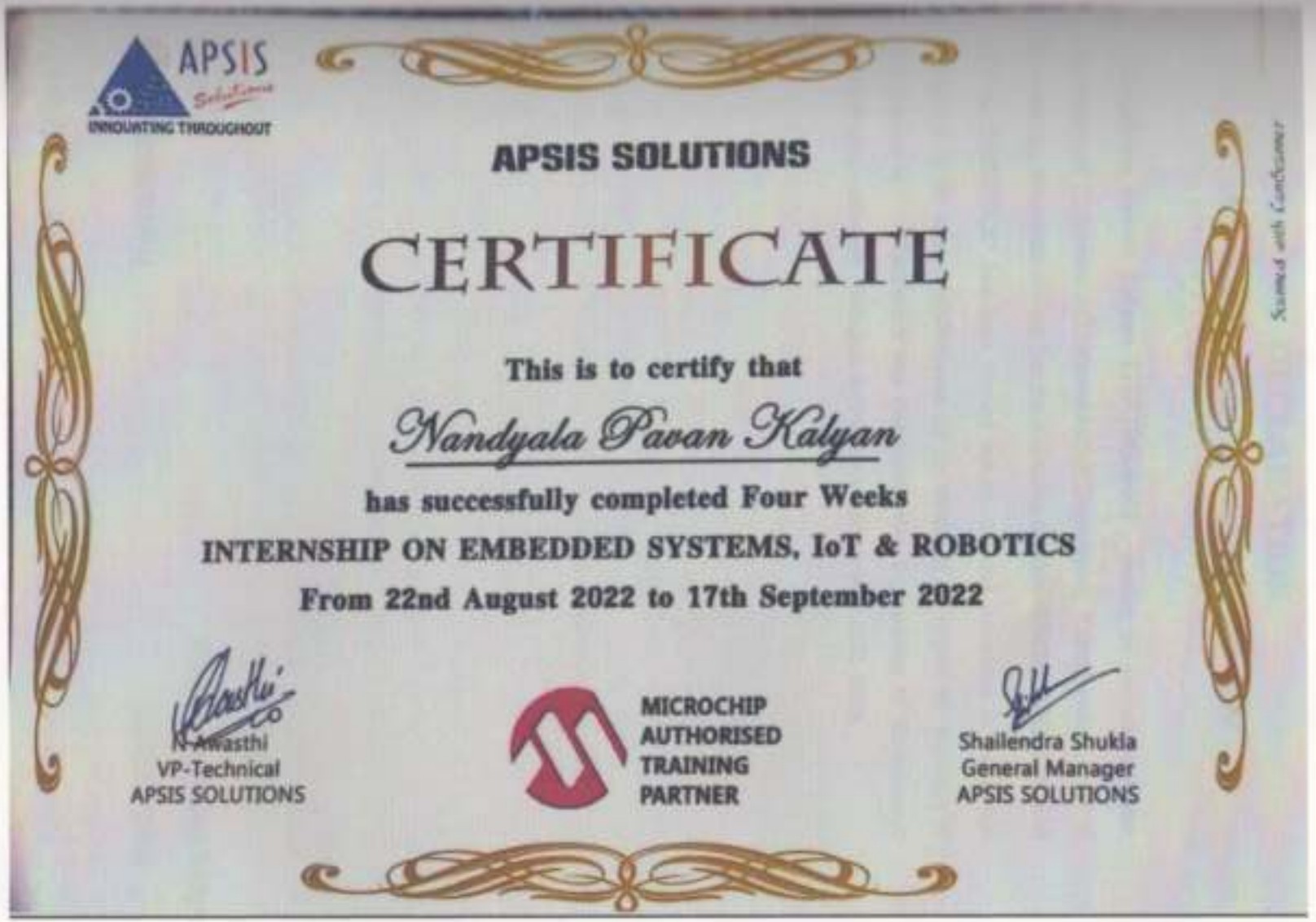
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

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.

SIGNATURE OF GUIDE	SIGNATURE OF HOD	SIGNATURE OF PRINCIPAL
Dr.Sumitha Manoj	**Dr.L. Rangaiah**	**Dr.R.Balakrishna**
		Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74



APSIS
Solutions
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Nandyala Pavan Kalyan

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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.

Sinchana M N
27/4/23
Signature of guide

Ms. Sinchana M N
Asst Professor
Dept. of ISE
RRCE, Bengaluru-74

28/4/2023
Signature of HOD

Dr. Neha Singhal
Prof. &HOD
Dept. of ISE,
RRCE, Bengaluru-74

Signature of Principal

DR. R Balakrishana
Principal RRCE,
RRCE, Bengaluru-74

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. 24/05/2023
2. Ranjeet Kumar 24/5/23

COMPANY CERTIFICATE

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that SHALINI A.R a student of RAJARAJESHWARI COLLEGE OF ENGINEERING has completed 01 months/weeks of Internship From 22/8/22 To 22/9/22 in FULL STACK WEB DEVELOPMENT Domain.

Date: 22/9/22

For TechnoFly Solutions

TECHNOFLY SOLUTIONS BANGALORE 40

Technofly Solutions, Vijayanagar, Bangalore - 40
Mob: 9663476586, 9741150102 | www.technofly.in

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 (1RR19IS002)

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

31/05/2023

Signature of HOD
DR. NEHA SINGHAL
Prof. &HOD
Dept. of ISE
RRCE,
Bengaluru

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

Signature of Principal
Dr. R. RAJAKRISHNA
Prof. & Principal
RRCE, Bengaluru

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners: Signature

1. Dr. Neha Singhal
2. Ranjeet Kumar

24/5/2023
24/5/23

COMPANY CERTIFICATE

RECOGNIZED BY #startupindia

TEQUED LABS

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

(1RR19IS003)

Internal Guide

Dr.JAmutharaj, M E.,Ph D,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.

28/4/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

28/4/2023

Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

Signature of Guide	**Signature of HOD**	**Signature of Principal**
[Dr.J Amutharaj, M.E.,Ph.D,FIE **]**	**[Dr. Neha Singhal]**	**[Dr. R Balakrishna]**
Vice Principal	HOD,	Principal,
Dept of ISE	Dept of ISE	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

External Viva Voice:

Examiners: ***Signature***

1. Dr. Neha Singhal. 24/05/2023
2. Ranjeet Kumar 24/5/23

RECOGNIZED BY
#startupindia

TEQUED LABS

RESEARCH AND INNOVATION HUB

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

INTERNSHIP ID : TLS22AUG0584

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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 Semester.

03/05/2023	03/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. NEHA SINGHAL Assoc. Prof., HOD Dept. of ISE RRCE, Bengaluru-74	**Dr. NEHA SINGHAL** Prof. and HOD Dept. of ISE, RRCE, Bengaluru-74	**DR. R BALAKRISHNA** Prof. & Principal RRCE, Bengaluru-74

External Viva-Voce

Examiners: ***Signature with date***

1. Dr. Neha Singhal
2. Ranjeet Kumar

24/5/2023

COMPANY CERTIFICATE

RECOGNIZED BY
#startupindia

TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Chandan D

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

Attendance trackers for students and colleges

INTERNSHIP ID : TLS22AUG0383

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

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.

Sinchana.M.N

Signature of guide
Prof. SINCHANA M N
Asst. Professor
Dept. of ISE
RRCE,
Bengaluru

23/05/2023

Signature of HOD
DR. NEHA SINGHAL
Prof. &HOD
Dept. of ISE
RRCE,
Bengaluru

Signature of Principal
Dr. K. BALAKRISHNA
Prof. & Principal
RRCE, Bengaluru

External Viva-Voce

Examiners: Signature

1. Dr. Neha Singhal — 24/5/2023
2. Ranjeet Kumar — Rel 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0078

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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 (1RR19IS007)

Internship carried out at

KARUNADU TECHNOLOGIES Pvt.Ltd.

Bengaluru

Internal Guide

Mr. Dineshkumar M

Assistant Professor

Dept. of ISE, RRCE

External Guide

Harish N

Karunadu Technologies

Bengaluru

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.

Signature of guide	**Signature of HOD**	**Signature of Principal**
Mr. Dineshkumar M	**Dr. Neha Singhal**	**DR. R Balakrishna**
Assistant Professor	Prof. & HOD	Prof. & Principal
Dept. of ISE, RRCE	Dept. of ISE, RRCE	RRCE
Bengaluru	Bengaluru	Bengaluru

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal.
2. Ranjeet Kumar

COMPANY CERTIFICATE

KTPTINT2022/0479

ಕರುನಾಡು ಟೆಕ್ನೋಲಜೀಸ್ ಪ್ರೈವೆಟ್ ಲಿಮಿಟೆಡ್

KARUNADU TECHNOLOGIES PRIVATE LIMITED

Certificate of Completion

INTERNSHIP PROGRAM
ON
Python and Machine Learning

2022

1 MONTH

THIS IS TO CERTIFY THAT

MR/Ms.DEEKSHITHA M

BEARING USN 1RR19I5007

FROM COLLEGE RAJARAJESWARI COLLEGE OF ENGINEERING

HAS COMPLETED ONE MONTH INTERNSHIP PROGRAM ON

PYTHON AND MACHINE LEARNING

CONDUCTED FROM 20-AUG-2022 TO 20-SEP-2022 AT

KARUNADU TECHNOLOGIES PVT. LTD.

Mahesh Gangire
MD & CEO
Karunadu Technologies Pvt. Ltd

AATMA NIRBHAR BHARAT

Harish N
GUIDE
Karunadu Technologies Pvt. Ltd

E-mail : karunaductechnologies@gmail.com

www.karunadutechnologies.com

Scanned with CamScanner

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.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Signature of guide
Dr. J Amutharaj
Prof. & Vice Principal
Dept. of ISE
RRCE, Bengaluru

Signature of HOD
Dr. NEHA SINGHAL
Prof. & HOD
Dept. of ISE,
RRCE, Bengaluru

Signature of Principal
DR. R. BALAKRISHNA
Prof. & Principal
RRCE, Bengaluru
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners:

1. Dr. Neha Singhal
2. Ranjeet Kumar

Signature:

24/05/2023

24/5/23

COMPANY CERTIFICATE

Reference : 22ESYSN0496
Date of Issue : 01-Dec-22

EISystems

Certificate of Internship

TECHNEX'22

This is to certify that Mr. / Ms.

DHAWALASHREE B K

of

RAJARAJESWARI COLLEGE OF ENGINEERING

has participated in online training program held from

25 AUGUST TO 23 SEPTEMBER OF 2022 (4 WEEKS)

and completed training on

WEBSITE DEVELOPMENT

On Post completion of training, He / She also submitted a report on

WEDDING PLANNING WEBSITE

We wish him / her all the best for future endeavours.

Mayur Dev Sewak
Head, Training & Internship
EISYSTEMS SERVICES

www.eisystems.in

Gokul Manoj
Convenor, Technex'22
IIT (BHU) Varanasi

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

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)

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.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.	02/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. J Amutharaj Prof & Vice Principal Dept. of ISE RRCE, Bengaluru	**Dr. Neha Singhal** Prof. & HOD Dept. of ISE RRCE, Bengaluru	**Dr. R. Balakrishna** Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners:	***Signature:***
1. Dr. Neha Singhal.	24/5/2023
2. Ranjeet Kumar	24/5/23

COMPANY CERTIFICATE

RECOGNIZED BY #startupindia

TEQUED LABS

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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

Internal Guide

Dr. Neha Singhal

Associate professor,

HOD Dept. of ISE

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

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 semester.

03/05/2023	03/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. NEHA SINGHAL	**Dr. NEHA SINGHAL**	**DR. R BALAKRISHNA**
Associate Prof., HOD	Prof. and HOD	Prof. & Principal
Dept. of ISE	Dept. of ISE	RRCE, Bengaluru-74
RRCE, Bengaluru-74	RRCE, Bengaluru-74	

External Viva-Voce

Examiners:	*Signature with date*
1. Dr Neha Singhal	24/5/2023
2. Ranjeet Kumar	24/5/23

Tequed Labs

RECOGNIZED BY #startupindia

TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

M BALAJI

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

Attendance trackers for students and colleges

INTERNSHIP ID : TLS22AUG0384

Supreeth Y S
CEO
Tequed Labs

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

In

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

03/05/2023

Signature of HOD

[Dr.Neha Singhal]
Associate Prof. &HOD
Dept. of CSE
RRCE, Bangalore

Signature of Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Mysore Road, Bengaluru-7

[Dr. R.BALAKRISHNA]
Prof. & Principal
RRCE, Bengaluru

External Viva-Voce

Examiners:

1. Dr Neha Singhal.
2. Ranjeet Kumar

Signature:

1. 3/05/2023
2. 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Manoj P

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 Portfolio

INTERNSHIP ID : TLS22AUG0607

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYATECHNOLOGICALUNIVERSITY

"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)

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 of**BachelorofEngineeringinInformationScience&Engineering**oftheVisvesvarayaTechnologicalUniversity,Belagaviduringtheyear**2022–2023.**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.

24/5/2023	24/05/2023	
Signatureof guide	**Signatureof HOD**	**Signatureof Principal**
Dr.Neha Singhal	**Dr.Neha Singhal**	**Dr. R. Balakrishna**
Associate Prof.&HoD	Associate Prof.&HOD	Principal
Dept.of ISE,RRCE,Benga luru	Dept.of ISE, RRCE,Bengaluru	RRCE,Bengaluru

ExternalViva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. — 24/05/2023
2. Ranjeet Kumar — 24/5/2023

COMPANYCERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

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

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)

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.

23/5/2023	23/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. J Amutharaj Prof & Vice Principal Dept. of ISE RRCE, Bengaluru	**Dr. Neha Singhal** Prof. & HOD Dept. of ISE RRCE, Bengaluru	**Dr. R. Balakrishna** Principal RRCE, Bengaluru

Professor & HOD Dept. of Info. Science & Engg. Rajarajeswari College of Engineering Bangalore - 560 074.

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. 24/05/2023
2. Ranjeet Kumar RK 24/5/23

COMPANY CERTIFICATE

Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Monisha K G

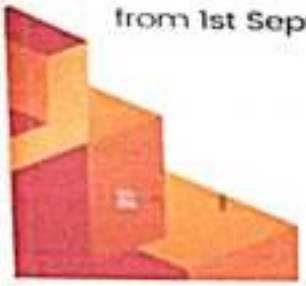
has successfully completed 1 Month Internship in

Full Stack Web Development

from 1st September 2022 to 30th September 2022 at Tequed Labs, Bangalore

and has worked on a project titled

Personal Portfolio Generator



INTERNSHIP ID : TLS22AUG0608

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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, Bengaluru

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

CERTIFICATE

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.

..... 03/05/2023	..... 03/05/2023	..... Principal
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. NEHA SINGHAL Assoc Prof and HOD Dept. of ISE RRRCE, Bengaluru	**Dr. NEHA SINGHAL** Assoc prof and HOD Dept. of ISE, RRCE, Bengaluru	**DR. K BALAKRISHNA** Prof. & Principal RRCE, Bengaluru

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal
2. Ranjeet Kumar — RD 24/5/2023 24/5/23

COMPANY CERTIFICATE

Tequed Labs
Invent · Innovate · Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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)

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.

28/4/2023	03/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. J Amutharaj Prof & Vice Principal Dept. of ISE, RRCE, Bengaluru	**Dr. Neha Singhal** Prof. & HOD Dept. of ISE, RRCE, Bengaluru	**Dr. R. Balakrishna** Principal RRCE, Bengaluru
DR.AMUTHARAJ, M.E., Ph.D., FIE. Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.	Prof. & HOD Dept. of Information Science & Engg. Rajarajeswari College of Engineering Bangalore - 560 074.	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. 24/05/2023
2. Ranjeet Kumar 24/5/23

COMPANY CERTIFICATE

TEQUED LABS
RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0609

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"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)

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	**Signature of HOD**	**Signature of Principal**
Mr. DineshKumar M Assistant Professor Dept. of ISE RRCE, Bengaluru	**Dr. Neha Singhal** Prof. & HOD Dept. of ISE, RRCE, Bengaluru	**Dr. R. Balakrishna** Principal RRCE, Bengaluru

Dept. of Information Science & Engg.
RAJARAJESWARI College of Engineering
Bengaluru-560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. Dr Neha Singhal — 24/05/2023
2. Ranjeet Kumar — 24/5/23

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: 01st 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,

Sathya. YS

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, 3rd Stage, 3rd Block, 10th Main , Basaveshwarnagar, Bangalore -560079 | P: +91-80-43029320 | +91- 998 093 4650

Offices : Florida, USA | New Jersey, USA | Bangalore, India | Gulbarga, India | Kurnool, India
W: www.qualitytheorem.com | E: info@qualitytheorem.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(18CSI85)

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

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: TEMPLATE FOR VCT TEA"

Carried out by

NISCHITA L (1RR19IS021)

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.

Sinchana-M.N 24/5/23

Signature of guide

Ms. Sinchana M N

Asst. Prof.
Dept. of ISE
RRCE, Bengaluru

24/05/2023

Signature of HOD

Dr. Neha Singhal
Prof. & HOD
Dept. of ISE,
RRCE, Bengaluru

Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bengaluru - 560 074.

Signature of Principal

Dr. B. Rajalakshmi
Principal
RRCE, Bengaluru

RAJARAJESWARI
COLLEGE OF ENGINEERING
Kambalalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal 24/5/2023
2. Ranjeet Kumar 24/5/23

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 1RR19IS021 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 HERE

VARCONS TECHNOLOGIES Pvt Ltd ★ AUTHORIZED SIGNATORY ★

Spoorthi C.
DIRECTOR
VARCONS TECHNOLOGOIES PVT LTD
21[illegible]
18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com
contact@varconstech.com

This certificate was generated using CERTIEFY.COM

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)

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

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.

25/5/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Signature of Guide	Signature of HOD	Signature of Principal
Dr. J Amutharaj Prof & Vice Principal Dept. of ISE RRCE, Bengaluru	**Dr. Neha Singhal** Prof. & HOD Dept. of ISE RRCE, Bengaluru	**Dr. R. Balakrishna** Principal RRCE, Bengaluru

31/5/2023

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7.

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. — 24/5/2023
2. Ranjeet Kumar — 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0610

Supreeth Y S
CEO
Tequed Labs

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JnanaSangama", Belgavi -590018

AN INTERNSHIP REPORT ON

"FULL STACK WEB DEVELOPMENT: NEWS PORTAL"

A report submitted in the partial fulfillment 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)

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 (1RR19IS023)

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 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.

23/05/2023	23/05/2023	RR
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Neha Singhal	**Dr. Neha Singhal**	**Dr. R. Balakrishnan**
Associate Prof. & HoD	Associate Prof. & HOD	Principal
Dept. of ISE,	Dept. of ISE,	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	

Principal
RAJARAJESWARI COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. Dr. Neha Singhal. — 24/5/2023
2. Ranjeet Kumar — RK 24/5/23

COMPANY CERTIFICATE

TEQUED LABS
RESEARCH AND INNOVATION HUB

RECOGNIZED BY #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 (1RR19IS024)

Internship carried out
AT

TEQUED LABS

Internal Guide:

Dr. Neha Singhal
Prof. & HOD,
Dept. of ISE, RRCE.

External Guide:

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

CERTIFICATE

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.

28/4/2023	28/4/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
[Dr. Neha Singhal] Prof. & HOD, Dept. of ISE RRCE, Bengaluru.	**[Dr. Neha Singhal]** Prof. & HOD Dept. of ISE RRCE, Bengaluru.	**[Dr. R. BALAKRISHNA]** Principal RRCE, Bengaluru-74

External Viva-Voce

Examiners:	***Signature:***
1. Dr. Neha Singhal	1. 24/5/2023
2. Ranjeet Kumar	2. RK 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

"MCQ"

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.

Pavithra 24/5/23

Signature of Guide

Mrs. PAVITHRA N
Associate Professor
Dept, of ISE,
RRCE, Bengaluru

03/05/2023

Signature of HOD

Dr. Neha Singhal
Associate Prof. & HOD,
Dept. of ISE,
RRCE, Bengaluru

Signature of Principal

Dr. R. Balakrishna
Principal,
RRCE, Bengaluru-7

External Viva-Voice

Examiners: ***Signature***

1. _____

2. Ranjeet Kumar — Rel 24/5/23

INTERNSHIP CERTIFICATE

RECOGNIZED BY
#startupindja

TEQUED LABS

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
IN
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(1RR19IS026)**,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 and 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 work prescribed for the said degree.

26/4/23	26/4/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Prof. Pavithra N	**Dr. Neha Singhal**	**Dr. R Balakrishnan**
Asst. Professor,	Prof. & HOD,	Principal,
Dept. Of ISE,	Dept. of ISE,	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	

External Viva-Voce

Examiners: **Signature:**

1.

2. Ranjeet Kumar ——— 24/5/23

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 self-motivated 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,

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

(Project Manager, CST)

Compsoft Technologies
No. 363, 19th main road,
1st Block Rajajinagar Bangalore- 560010

www.compstechnologies.com

services@compstechnologies.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 (1RR19IS027)

Internship carried out
at
TEQUED LABS , Bengaluru

28/4/2023

Internal 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.

28/4/2023

Signature of Guide

Mrs. Rathidevi T
Associate Professor
Dept, of ISE,
RRCE, Bengaluru

28/4/2023

Signature of HOD

Dr. Neha Singhal
Associate Prof. & HOD,
Dept, of ISE,
RRCE, Bengaluru

Signature of Principal

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

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voice

Examiners:

Signature

1. _____

2. Ranjeet Kumar 24/5/23

INTERNSHIP CERTIFICATE

Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Prajwal HM

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 using full stack web development

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

28/4/2023

Internal 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.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.

28/4/2023

Signature of Guide

Mrs. Rathidevi T
Associate Professor
Dept, of ISE,
RRCE, Bengaluru

28/4/2023

Signature of HOD

Professor & Head
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bengaluru-560 074.

Dr. Neha Singhal
Associate Prof. & HOD,
Dept, of ISE,
RRCE, Bengaluru

Signature of Principal

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

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva-Voice

Examiners:

Signature

1. _____

2. Ranjeet Kumar _____ 24/5/23

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)

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 (1RR19IS029)

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	**Signature of HOD**	**Signature of Principal**
Mr. Dineshkumar M Asst. Professor Dept. of ISE RRCE, Bengaluru	**Dr. Neha singal** Prof. &HOD Dept. of ISE RRCE, Bengaluru	**Dr. Balakrishna** Prof. & Principal RRCE, Bengaluru

External Viva-Voce

Examiners: ***Signature:***

1. _____

2. Ranjeet Kumar _____ 24/5/23

COMPANY CERTIFICATE

Internship Certificate

This is to certify that
Ramya Babu

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 Schneider Electric

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 (1RR19IS030)

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 (1RR19IS030)

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.

29/4/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074.

Signature of Guide

DR.J.AMUTHARAJ

Prof. & Vice Principal

RRCE,
Bengaluru

31/05/2023

Signature of HOD

DR. NEHA SINGHAL

Prof. &HOD

Dept. of ISE
RRCE,
Bengaluru

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

Signature of Principal

Dr. R. BALAKRISHNA

Prof. & Principal

RRCE, Bengaluru-74

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Bengaluru-74

External Viva-Voce

Examiners: ***Signature***

1. _____

2. Ranjeet Kumar _____ Rel 24/5/23

INTERNSHIP CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Rohan. 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

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 (1RR19IS031)

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	**Signature of HOD**	**Signature of Principal**
Mr. Dineshkumar M	**Dr. Neha Singhal**	DR. RAJALAKSHMI
Assistant Prof.	Associate Prof. & HOD	Prof. & Principal
Dept. of ISE	Dept. of ISE	COLLEGE OF ENGINEERING
RRCE, Bengaluru	RRCE, Bengaluru	RRCE, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. _____

2. Ranjeet Kumar _____ RR 24/5/23

COMPANY CERTIFICATE

TEQUED LABS
RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

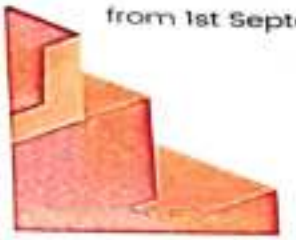
CERTIFICATE OF INTERNSHIP

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



INTERNSHIP ID : TLS22AUG0613

Supreeth Y S
CEO
Tequed Labs

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
In
INFORMATION SCIENCE & ENGINEERING

Submitted by

S. VISHNU SHARMA (1RR19IS032)

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 (1RR19IS032)

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.

29/5/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal (Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Signature of Guide
[Dr. J. Amutharaj]
Prof. & Vice Principal,
Dept. of ISE
RRCE, Bangalore

03/05/2023

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

Signature of HOD
[Dr. NEHA SINGHAL]
Prof. & HOD,
Dept of ISE,
RRCE, Bangalore

Signature of Principal
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

[Dr. BALAKRISHNA]
Principal
RRCE, Bangalore

External Viva-Voce

Examiners: ***Signature:***

1. _____

2. Ranjeet Kumar _____ RK 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #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.

29/5/2023	03/05/2023	
Dr.J. AMUTHARAJ, M.E., Ph.D., FIE. Vice Principal - Administration RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE - 560 074.	Professor & HOD Dept. of Information Science & Engg. Rajarajeswari College of Engineering Bangalore - 560 074.	Principal RAJARAJESWARI COLLEGE OF ENGINEERING Bangalore-74
Signature of guide	**Signature of HOD**	**Signature of Principal**
Dr. J. Amutharaj	**[Dr. Neha Singhal]**	**[Dr. R Balakrishnal**
Prof & Vice Principal, Dept of ISE, RRCE, Bangalore	Prof. & HOD, Dept. of ISE RRCE, Bangalore	Principal RRCE, Bangalore

External Viva-Voce

Examiners: ***Signature:***

1. _____
2. Ranjeet Kumar _____ 24/5/23

COMPANY CERTIFICATE

Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Sanjai kumar.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

INTERNSHIP ID : TLS22AUG0234

Supreeth Y S
CEO
Tequed Labs

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

In

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.

Pavithra N 24/5/23

Signature of guide

Prof. Pavithra N
Assistant Professor, Dept. of ISE
RRCE, Bangalore

24/5/2023

Signature of HOD

Dr. Neha Singhal
Prof. & HOD, Dept. of ISE
RRCE, Bangalore

Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

Signature of Principal
Principal

[DR. BALAKRISHNA]
Principal
RRCE, Bangalore

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners: ***Signature:***

1. _____

2. Ranjeet Kumar _____ 24/5/23

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

SANJAY.S

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 Disease Prediction and Analysis

INTERNSHIP ID : TLS22AUG0293

Supreeth Y S
CEO
Tequed Labs

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

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 (1RR19IS036)

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.

Pavithra 6/5/23

Signature of guide
Prof. Pavithra N
Dept. of ISE
RRCE, Bangalore

5/05/2023

Signature of HOD
Professor & HOD
Dr. Neha Singhal
Prof. &HOD, Dept. of ISE
RRCE, Bangalore

Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074.

External Viva-Voce

Signature of Principal
Dr. R. BALAKRISHNA
Principal
RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Examiners:

Signature:

1. _____
2. _____

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

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 **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 his future endeavors.

For Aideas Engineering Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

Authorized Signatory

Office Address
Aideas 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 RRCE Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74	28/4/2023 Signature of HOD Dr. NEHA SINGHAL HOD, Prof, DEPT of ISE RRCE	Signature of Principal Dr. R BALAKRISHNA Principal RRCE Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

EXTERNAL VIVA -VOCE

Examiners:	**Signature with date:**
1	.....
2	.....

COMPANY CCERTIFICATE

smartknower
STAY AHEAD OF THE CURVE

CERTIFICATE
OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Shravya

has successfully completed internship On web Development
from 1/9/2022 to 31/10/2022. During his/her internship,
the student was found to be dedicated, hardworking and intelligent

14-12-2022
DATE

P Naveen

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]

#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

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 (1RR19IS038)** in partial fulfillment 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 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.

Signature of the Guide	Signature of the Coordinator	Signature of the HOD
Dr. J Amutharaj	**Dr.J Amutharaj**	**Dr. Neha singhal**
Vice Principal	Vice Principal	Prof. and Head, Dept of ISE
RRCE, Bangalore	RRCE, Bangalore	RRCE, Bangalore

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

RECOGNIZED BY

TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Shreyas . 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

Photography Website

INTERNSHIP ID : TLS22AUG0081

Supreeth Y S
CEO
Tequed Labs

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

External Guide :
Mr. Navas
Software Developer
Technofly Solution

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

"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	**Signature of HOD**	**Signature of Principal**
Dr. R. Balakrishna	**Dr. Neha Singhal**	**DR. R. Balakrishna**
Principal	Prof. & HOD Dept. of ISE	Principal
RRCE, Bengaluru	RRCE, Bengaluru	RRCE, Bengaluru
Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74		Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voice

Examiners: ***Signature:***

1. _____

2. _____

COMPANY CERTIFICATE

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that Spandana · G a student of Rajarajeswari 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 : 30/9/2022

For TechnoFly Solutions

TECHNOFLY SOLUTIONS BANGALORE-40

Technofly Solutions, Vijayanagar, Bangalore - 40
Mob: 9663476586, 9741150102 | www.technofly.in

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 (1RR19IS040)

Internship carried out at

CONTRIVER, Bengaluru

Internal Guide

Dr. Amutharaj. J
Prof. & Vice Principal
RRCE, Bengaluru

External Guide

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 (1RR19IS040)** 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.

31/5/2023	31/5/2023	
Signature of Guide	**Signature of HOD**	**Signature of Principal**
Dr. Amutharaj. J	**Dr.Neha Singhal**	**Dr. R Balakrishna**
Prof.& Vice Principal	Prof. & Head, Dept of ISE	Principal
RRCE, Bangalore-74	RRCE, Bangalore-74	RRCE, Bangalore-74

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal - Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-560 074

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore-560 074

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
RRCE, Bangalore-74

External Viva

Name of the examiners	**Signature with date**
1.	.....
2.	.....

COMPANY CERTIFICATE

CONTRIVER

INTERNSHIP CERTIFICATE

This is to certify that

SUHAS H S

has undergone a 30 days internship training programme from 23/08/2022 to 25/10/2022.

In the department of Programming and Development Contriver, Bengaluru. Under the guidance of Avinash Kundu and the grade awarded to the intern for the internship project is

A+

Sanjay B
Chief Executive Officer

#startupindia

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
In
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

Certified that Internship entitled

" 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.

Pavithra 4/5/23
.....

Signature of guide

Prof. Pavithra N
Assistant Professor, Dept. of ISE
RRCE, Bangalore

4/5/2023
.....

Signature of HOD

Dr. Neha Singhal
Prof. &HOD, Dept. of ISE
RRCE, Bangalore

.....

Signature of Principal

[Dr. B. RAJALAKRISHNA]
Principal
RRCE, Bangalore

External Viva-Voce

Examiners: ***Signature:***

1._____ _____

2._____ _____

OFFER LETTER

INTERNSHIP OFFER LETTER

Date: **23rd August, 2022**

Name: **Sumukh K Murthy**
USN: **1MH19IS041**

Dear Student,

We would like to congratulate you on being selected for the **Machine Learning With Python(Research Based)** Internship position with **ICsolu**, effective Start Date **23rd August, 2022**. All of us are excited about the opportunity provided to you!

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 primarily 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 internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Ganesh G
Product Manager
ICSOLN
GMCH Hostel Rd, Kachari Basti Rd
Ganeshguri, Guwahati, Assam
781005

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 (1RR19IS042)**, 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.

Signature of Guide	Signature of HOD	Signature of Principal
[Dr. AMUTHRAJ J]	[Dr. NEHA SINGHAL]	[Dr. R BALAKRISHNA]
Prof. & Vice Principal	Prof. & HOD, Dept. of ISE	Prof. & Principal
RRCE, Bengaluru-74	RRCE, Bengaluru-74	RRCE, Bengaluru-74

Name of the examiners	Signature with Date
1.	.....
2.	.....

COMPANY CERTIFICATE

TEQUED LABS
RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Ujwal Shetty

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

Attendance Tracker for Students and colleges

INTERNSHIP ID : TLS22AUG0382

Supreeth Y S
CEO
Tequed Labs

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 (1RR19IS043)

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

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

CERTIFICATE

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	**Signature of HOD**	**Signature of Principal**
Mr Dinesh Kumar Associate Professor Dept, of ISE, RRCE, Bengaluru	**Dr. Neha Singhal** Associate Prof. & HOD, Dept, of ISE, RRCE, Bengaluru	**Dr. A. Balakrishna** Principal, RRCE, Bengaluru-7

External Viva-Voice

Examiners: ***Signature***

1. _____

2. _____

INTERNSHIP CERTIFICATE

Take It Smart (OPC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

KE IT SMART

eg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

VINAY K V

Student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Has completed Internship in Pedestrians and Vehicles Detection Using Image Processing for Road Safety

From 20th August 2022 to 20th 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.

TAKE IT SMART (OPC) PVT. LTD.

Mallikarjun Kumbar
Director

#startupindia

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	**External Guide**
Dr.JAmutharaj,M.E.,Ph.D.FIE	**Mr. Adithya S K**
Vice Principal,	CTO,
RRCE,Bengalore	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.

15/5/2023

Dr.J. AMUTHARAJ, M.E., Ph.D., FIE.
Vice Principal – Administration
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE - 560 074.

Signature of Guide

[Dr.J Amutharaj, M.E.,Ph.D,FIE **]**

Vice Principal

Dept of ISE

RRCE, Bengaluru

15/5/2023

Signature of HOD

[Dr. Neha Singhal]

HOD,

Dept of ISE

RRCE, Bengaluru

Signature of Principal

[Dr. R Balakrishna]

Principal,

RRCE, Bengaluru

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

External Viva Voice:

Examiners:

Signature

1. _____

2. _____

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0586

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

SRINIVAS K(1RR18IS046)

Internship carried out at

TEQUED LABS, Bengaluru

Internal Guide

Mrs. Rathidevi T

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

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.

2/5/2023	3/05/2023	
Signature of guide	**Signature of HOD**	**Signature of Principal**
Mrs.Rathidevi T	**Dr. Neha Singhal**	**DR. R Balakrishna**
Assistant Prof.	Associate Prof. & HOD	Prof. & Principal
Dept. of ISE	Dept. of ISE	RRCE, Bengaluru
RRCE, Bengaluru	RRCE, Bengaluru	

Dept. of Information Science & Engg. Rajarajeswari College of Engineering Bengaluru-560 074.

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74

External Viva-Voce

Examiners: ***Signature:***

1. _____

2. _____

COMPANY CERTIFICATE

Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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	Signature of HOD	Signature of Principal
Dr. R BALAKRISHNA	Dr. NEHA SINGHAL	Dr. R BALAKRISHNA
Principal	HOD, Prof, DEPT of ISE	Principal
RAJARAJESWARI	RRCE	RAJARAJESWARI
COLLEGE OF ENGINEERING		COLLEGE OF ENGINEERING
Ramohalli Cross, Bangaluru-74		Ramohalli Cross, Bangaluru-74

EXTERNAL VIVA -VOCE

Examiners:	**Signature with date:**
1	.....
2	.....

COMPANY CCERTIFICATE

Skill India

CENTRE FOR LEARNING AND DEVELOPMENT

BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, Bengaluru - 560 013, India

Certificate

This is to certify that

Sri./Smt/Kum Aaushree. K.
Ref No. 1410/CLD/HR. /2022-23/P.T./346
student of Bajarajeshwari College Of
Engineering Bangalore
carried out Project Work/Internship on
File Management
in Admin And Finance
SBU/CSG of BEL, Benjaluru from 12 Sep 2022
to 11 Oct 2022

He/She was regular and punctual in his/her attendance and his/her conduct was satisfactory during the period.

Project Internship Guide

Head (HR/CLD)

Date : 11 - 10 - 2022
Place : Bengaluru

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

27/02/2023

RAJARAJESWARI COLLEGE OF ENGINEERING

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.

Sl. 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

HOD, ISE

RAJARAJESWARI COLLEGE OF ENGINEERING

BANGALORE-74

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

FINAL YEAR ACADEMIC INTERNSHIP 2022-2023

Guides allotment

SL. NO	USN	STUDENT NAME	GUIDE	SIGN
1	1RR20IS400	ANUSHREE K	Rakshitha.	
	1RR19IS037	SHRAVYA		
	1RR19IS039	SPANDHANA G		
	1RR18IS028	NISCHHITHA B		
2	1RR19IS011	JNANASHREE S	Bhavitha Kumar.	
	1RR19IS016	MONISHA K		
	1RR19IS019	NIDHIKSHA A		
	1RR19IS022	NISCHITHA K N		
3	1RR19IS024	NIVAS GOWDA	Dr. Neha Singlef	
	1RR19IS023	NITHYASHREE T		
	1RR19IS015	MONIKA A		
4	1RR19IS004	CHANDAN D	Dr. Neha Singlef	
	1RR19IS012	BALAJI M		
	1RR19IS018	NAVEEN KUMAR D K		
5	1RR19IS007	DEEKSHITHA M	Mr. Dinesh Kumar.	
	1RR19IS029	RAMYA		
	1RR19IS031	S INDIRA PRIYADARSHINI		
	1RR19IS020	NIKITHA S DESHPANDE		
6	1RR19IS043	VINAY K V	Mr. Dinesh Kumar	
	1RR19IS013	MANOJ P		
	1RR18IS017	HARSHITHA M		
	1RR18IS046	SREENIVAS	Mrs. Rathi Devi T.	
7	1RR19IS027	PRAJWAL H M		
	1RR19IS028	PRAJWAL H S		
	1RR19IS033	SACHIN R M		
8	1RR19IS008	DHAWALASHREE B K	Dr. J. Amutha Raj	
	1RR19IS003	ARPITHA G		
	1RR19IS038	SHREYAS M		
	1RR19IS044	VISHRANTH K H		
9	1RR19IS034	SANJAI KUMAR R	Vijayaloxmi Joshi	
	1RR19IS030	ROHAN H		
	1RR19IS032	VISHNU SHARMA		
10	1RR19IS035	SANJAY S		

	1RR19IS025	NIVEDITHA V	Mrs. Pavithra	Pavithra
	1RR19IS036	SHALINI K		
	1RR19IS041	SUMUKH K MURTHY		
11	1RR19IS026	POORINMA R	mrs. Pavithra	Pavithra
	1RR18IS004	BHAVANA N		
	1RR18IS040	SACHIN M RATHOD		
12	1RR19IS017	NANDEESH D B	ms. Sinchana M.N.	Sinchana
	1RR19IS040	SUHAS H S		
	1RR19IS042	UJWAL SHETTY		
13	1RR19IS001	A R SHALINI	ms. Sinchana M.N	Sinchana
	1RR19IS002	ANANYA S		
	1RR19IS006	DARSHINI G		
	1RR19IS021	NISCHITA L		

INTERNSHIP COORDINATOR

Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

HOD

Internship IA Marks
VIII Sem Academic Year 2022-2023

SL. NO	USN	NAME	Internship Marks			FINAL IA MARKS	GUIDE SIGN
			REVIEW 1	REVIEW 2	REVIEW 3		
1	1RR18IS004	BHAVANA N	96	96	96	96 (38)	
2	1RR18IS017	HARSHITHA M J	90	90	93	91 (36)	
3	1RR18IS028	NISCHITHA B	90	90	90	90 (36)	
4	1RR18IS040	SACHIN.M.RATHOD	95	95	95	95 (38)	
5	1RR18IS046	SRINIVAS K	95	95	95	95 (38)	
6	1RR19IS001	A R SHALINI	96	96	96	96 (38)	
7	1RR19IS002	ANANYA S SUVARNA	95	95	95	95 (38)	
8	1RR19IS003	ARPITHA G	97	95	96	96 (38)	
9	1RR19IS004	CHANDAN D	92	90	94	92 (37)	
10	1RR19IS006	DARSHINI G	95	93	98	95 (38)	
11	1RR19IS007	DEEKSHITHA M	95	97	99	97 (39)	
12	1RR19IS008	DHAWALASHREE B K	100	100	100	100 (40)	
13	1RR19IS011	JNANASHREE S	99	97	98	98 (39)	
14	1RR19IS012	M BALAJI	94	94	94	94 (38)	
15	1RR19IS013	MANOJ P	85	95	97	92 (37)	
16	1RR19IS015	MONIKA A	98	99	97	98 (39)	
17	1RR19IS016	MONISHA K G	98	98	98	98 (39)	
18	1RR19IS017	NANDEESH D B	95	95	95	95 (38)	
19	1RR19IS018	NAVEENKUMAR D K	99	100	98	99 (40)	
20	1RR19IS019	NIDHIKSHA A	95	97	96	96 (38)	
21	1RR19IS020	NIKITHA S DESHPANDE	85	90	96	90 (36)	

RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

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Department of Information Science and Engineering

22	1RR19IS021	NISCHITA L	92	92	92	92(37)	
23	1RR19IS022	NISHCHITHA K N	96	96	96	96(38)	
24	1RR19IS023	NITHYASHREE T	95	96	97	96(38)	
25	1RR19IS024	NIVAS GOWDA	95	94	96	95(38)	
26	1RR19IS025	NIVEDITHA V	95	95	95	95(38)	
27	1RR19IS026	POORNIMA R	98	98	98	98(39)	
28	1RR19IS027	PRAJWAL H M	98	98	95	97(39)	
29	1RR19IS028	PRAJWAL H S	99	100	99	99(40)	
30	1RR19IS029	RAMYA B	95	98	98	97(39)	
31	1RR19IS030	ROHAN. H	99	100	100	100(40)	
32	1RR19IS031	S INDIRA PRIYADARSHINI	91	95	98	95(38)	
33	1RR19IS032	S VISHNU SHARMA	97	95	96	96(38)	
34	1RR19IS033	SACHIN R M	95	90	95	93(37)	
35	1RR19IS034	SANJAIKUMAR R	92	96	94	94(38)	
36	1RR19IS035	SANJAY S	97	97	97	97(39)	
37	1RR19IS036	SHALINI K	97	97	97	97(39)	
38	1RR19IS037	SHRAVYA	96	97	98	97(39)	
39	1RR19IS038	SHREYAS M	89	90	90	90(36)	
40	1RR19IS039	SPANDANA G	90	90	90	90(36)	
41	1RR19IS040	SUHAS H S	94	93	94	94(38)	
42	1RR19IS041	SUMUKH K MURTHY	95	95	95	95(38)	
43	1RR19IS042	UJWAL SHETTY	94	93	94	94(38)	
44	1RR19IS043	VINAY K V	90	90	95	92(37)	
45	1RR19IS044	VISHRANTH K H	91	92	93	92(37)	
46	1RR20IS400	ANUSHREE	94	95	93	94(38)	

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: ARPITHA G 1RR19IS003

Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mr. Adithya S k

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	ARPITHA G	1RR19IS003	39	39	19	97

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Arpitha G	1RR19IS003	38	38	19	95

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Arpitha G	1RR19IS 003	39	39	18	96

Signature of Internal guide with date

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: ARPITHA G 1RR19IS003

Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr J Amutharaj

Name of the External Guide: Mr Adithya S K.

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1.	Arpitha G.	1RR19IS 003	97	95	96	96

Signature of Internal guide with date

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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: DHAWALASHREE BK 1RR19IS008

Title of the Internship: Website Development - wedding planning website

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mayur Dev Sewak

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Dhawalashree BK	1RR19IS008	40	40	20	100

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Dhawalashree BK	1RR19IS008	40	40	20	100

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Dhawalashree BK	1RR19IS008	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: DHAWALASHREE BK 1RR19IS008

Title of the Internship: website development - wedding planning website

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mayur Dev Sevak

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1.	Dhawala Shree BK	1RR19IS 008	100	100	100	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: DHAWALASHREE BK 1RR19IS008

Title of the Internship: Website Development - wedding planning website

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mayur Dev Sevak

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Dhawalashree BK	1RR19IS008	40	40	20	100

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Dhawalashree BK	1RR19IS008	40	40	20	100

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1.	Dhawalashree BK	1RR19IS008	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: DHANALASHREE BK 1RR19IS008

Title of the Internship: website development - wedding planning website

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mayur Dev Sevak

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1.	Dhanalashree BK	1RR19IS008	100	100	100	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: Jnanashree S (1RR19IS011)

Title of the Internship: Full Stack web development : Personal Portfolio Gateway

Name of the Internal Guide: Dr. J. Amutharaj

Name of the External Guide: mr. nithin c naik

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Jananas hree S	1RR19IS 011	40	40	19	99

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Jannanashree S	1RR19IS 011	39	40	18	97

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Jananashree S	1RR19IS011	40	40	18	98

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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: Jnanashree S (1RR19IS011)

Title of the Internship: Full stack web development : Personal portfolio generator

Name of the Internal Guide: Dr.J.Amutharaj

Name of the External Guide: mr. nithin c naik.

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Jananash ree S	1RR19IS 011	99	97	98	98

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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: monisha K G (1RR19IS016)

Title of the Internship: Full stack web development : Personal Portfolio Generator

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Mr. Nithin C Naik.

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	monisha K G	1RR19IS 016	39	40	19	98

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	monisha K G	1RR19IS 016	39	39	20	98

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	monisha IC G	1RR19IS 016	40	39	19	98

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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: monisha K G (1RR19IS016)

Title of the Internship: Full Stack web development : Personal Portfolio

Name of the External Guide: mr. nithin c naik

Name of the Internal Guide: Dr. J. Amutharaj

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	monisha K G	1RR19IS016	98	98	98	98

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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: Nidhiksha A (1RR19IS019)

Title of the Internship: Full stack web development : Responsive job Portal.

Name of the Internal Guide: Dr. T Amutharaj

Name of the External Guide: Mr. Nithin C naik

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Nidhiksha A	1RR19IS019	39	39	17	95

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Nidhiksha A	1RR19IS019	39	39	19	97

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Nidhiksha A	1RR19IS019	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: Nidhiksha A (1RR19IS019)

Title of the Internship: Full stack web development: Responsive job portal

Name of the Internal Guide: Dr. J. Amudharaj

Name of the External Guide: Mr. Nithin C Naik

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Nidhiksha A	1RR19IS 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 (1RR19IS030)

Title of the Internship: Artificial Intelligence and machine learning Zomato dataset

Name of the Internal Guide: Dr. J. Amudhavi

Name of the External Guide: Mr. Aditya S K

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Rohan H	1RR19IS030	40	40	19	99

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Rohan H	1RR19IS030	40	40	20	100

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Rohan H	1RR19IS030	40	40	20	100

Signature of Internal guide with date

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Rajarajeswari College of Engineering
Bangalore-560 074

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 (1RR19IS030)

Title of the Internship: Artificial Intelligence and machine learning Zomato Dataset

Name of the External Guide: Mr. Aditya S K

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Rohan H	1RR19IS030	99 (Nine-Nine)	100	100	100

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Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.

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: S. Vishnu Sharma (1RR19IS032)

Title of the Internship: Credit Card Fraud Detection Dataset

Name of the Internal Guide: Dr. J. Amutharaj

Name of the External Guide: Mr. Aditya SK

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	S. Vishnu Sharma	1RR19IS032	39	39	19	97

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	S. Vishnu Sharma	1RR19IS032	39	39	17	95

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	S. Vishnu Sharma	1RR19IS032	39	39	18	96

Signature of Internal guide with date

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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: S.Vishnu Sharma (1RR19IS032)

Title of the Internship: Credit Card Fraud detection Dataset

Name of the Internal Guide: Dr. J. Amudhavi

Name of the External Guide: Mr. Adilya SK

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	S Vishnu Sharma	1RR19IS032	97	95	96	96

Signature of Internal guide with date

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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: Sanjai Kumar (1RR19IS034)

Title of the Internship: Indian used bikes data

Name of the Internal Guide: Dr. J. Amutharaj

Name of the External Guide: Mr. Aditya S K

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Sanjai Kumar R	1RR19IS034	39	39	10	92

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Sanjai Kumar R	1RR19IS034	38	38	20	96

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
	Sanjai Kumar R	1RR19IS034	38	38	18	94

Signature of Internal guide with date

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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: Sanjaya Kumar R (1RR19IS034)

Title of the Internship: Indian used bikes data

Name of the Internal Guide: Dr. J. Amutharaj

Name of the External Guide: Mr. Aditya S K

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
	Sanjaya Kumar R	1RR19IS 034	92	96	94	94

Signature of Internal guide with date

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 1RR19IS038

Title of the Internship: Full Stack web Development

Name of the Internal Guide: Dr. J Anuthary

Name of the External Guide: Supreeth Y S

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	Shreyas m	1RR19IS 038	35	35	19	89

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	SHREYAS m	1RR19IS 038	38	38	14	90

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	SHREYAS m	1RR19IS 038	35	35	20	90

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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: SHREYAS M

Title of the Internship: Full Stack web Development

Name of the Internal Guide: Dr. J Amutharaj

Name of the External Guide: Supreeth Y S

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1.	Shreyas m	1RR19IS038	89	90	90	90

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JA

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: VISHRANTH K H 1RR19IS044

Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr. J Anuthama j

Name of the External Guide: Mr. Adithya S K

Review 1 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	VISHRANTH KH	1RR19IS044	39	35	15+2 = 17	91

Review 2 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	VISHRANTH K H	1RR19IS044	39	39	14	92

Review 3 (100 Marks)

Sl. No	Name	USN	PPT (40 Marks)	Report(40 Marks)	Viva (20)	Avg Total Marks (100 Marks)
1	VISHRANTH K H	1RR19IS044	40	35	17	93

Signature of Internal guide with date

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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: VISHRANTH K H (1RR19IS044)

Title of the Internship: IRIS DATASET

Name of the Internal Guide: Dr. J Amoth Raj

Name of the External Guide: Mr. Aditya S K

Sl. No	Name	USN	Review 1 (100 Marks)	Review 2 (100 Marks)	Review 3 & Final Demo (100 Marks)	Avg Total Marks (100 Marks)
1	VISHRANTH K H	1RR19IS044	91	92	93	92

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Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0087

Supreeth Y S
CEO
Tequed Labs

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Govardhan G P

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

Parkinson Disease

INTERNSHIP ID : TLS22AUG0396

Supreeth Y S
CEO
Tequed Labs

TechnoFly Solutions

Internship Certificate

This is to certify that GUNASREE.N.A a student of RAJARAJESWARI COLLEGE OF ENGINEERING has completed 01 ✓ months/weeks of Internship From 22/8/22 To 22/9/22 in FULL STACK WEB DEVELOPMENT Domain

We wish you all the best in your future endeavors

Date: 22/9/22

For TechnoFly Solutions

RECOGNIZED BY
#startupindia

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

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0599

Supreeth Y S
CEO
Tequed Labs

TechnoFly Solutions

Internship Certificate

This is to certify that HARSHITHA.V a student of RAJARAJESHWARI COLLEGE OF ENGINEERING has completed 01 months/weeks of Internship From 22/08/22 To 22/09/22 in FULL STACK WEB DEVELOPMENT Domain.

We wish you all the best in your future endeavors.

Date : 22/9/22

For **TechnoFly Solutions**

TECHNOFLY SOLUTIONS Date: Authorized Signature Sign.: BANGALORE-40

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

Honeywell

Honeywell Technology Solutions Lab Pvt. Ltd.
Survey No. 96 & 97, Boganahalli Village,
Survey No. 72/2 & 72/5, Doddakannahalli Village,
Varthur Hobli, Bengaluru 560 103
Tel : +91 80 2658 8360
Fax No : +91 80 2658 4750
CIN No : U72200KA1994FTC016379
HTS-Communication@honeywell.com
www.honeywell.com

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@honeywell.com

For Honeywell Technology Solutions Lab Pvt. Ltd.,

Manisha Goel

Manisha Goel
Director HR

aideas
engineering and software

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

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 Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

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

Technofly

Internship Certificate

This is to certify that HRITHIK. K.A a student of Raja Rajeshwari College of Engineering has completed 1 months/weeks of Internship From 20/8/22 To 19/9/22 in Machine Learning Using Python Domain.

We wish you all the best in your future endeavors.

Date : 19/9/22

For TechnoFly Solutions

TECHNOFLY SOLUTIONS Date: Authorised Signature BANGALORE 40

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

WorInWell

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

Coincent

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

ADMISSION TICKET FOR B.E EXAMINATION MAY / JUNE / JULY 2023

1. UNIVERSITY SEAT NO. : **1RR19CS042** NO : **0309FF45** Date : **12-05-2023**

2. NAME OF THE CANDIDATE : **H SWETHA DESHMUKH**

3. SUBJECTS APPLIED

18CS81 18CS82 18CSI85 18CSP83 18CSS84

STUDENT COPY

Note: Please verify the eligibility of candidate before issuing the admission ticket.

This is Electronically Generated Admission Ticket

Exam Center: RR

Signature of the Candidate

Signature of the Principal with seal

Registrar (Evaluation)

Candidate must read the instructions provided in the answer booklet, before the commencement of examination

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. S USHA]
Prof &HOD,
Dean research,
Dept of CSE
RRCE, Bangalore

Signature of HOD

[Dr. S USHA]
Prof &HOD,
Dean research,
Dept of CSE
RRCE, Bangalore

Signature of Principal

[Dr. R. BALAKRISHNA]
Principal
RRCE, Bangalore

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

External Viva-Voce

Examiners:

1. _____

2. _____

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

Coincent

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING
MYSORE ROAD, BANGALORE-560074
(An ISO 9001:2008 Certified Institute)
(2022-2023)

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0592

Supreeth Y S
CEO
Tequed Labs

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0583

Supreeth Y S
CEO
Tequed Labs

languify

INTERNSHIP
CERTIFICATION

This is to certify that

Jeevan Y

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

Coincent

DIRECTOR SIGNATURE

{KRISH}

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

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

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

SUSTAINABILITY

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

Key Sustainability Solutions Pvt. Ltd. Bangalore

Key Sustainability Solutions Pvt Ltd
Ramachandra Convention Hall #492,2nd Floor, 8th Cross Road
New BEL Rd, behind Punjab National Bank, M S R Nagar, Bengaluru, Karnataka 560054
Ph:+91-8746000882, email: info@keysustainability.com

Reg. No : AAB9565

inventeron
nothing but smart.

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Keerthan Gowda H.K

has completed internship on Linear Regression Analysis on Continuous data for Machine Learning

from 05 SEP 2022 to 05 OCT 2022 successfully.

We wish this intern all the best for future endeavours.

Managing Director

www.inventeron.com

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Keerthan R

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

INTERNSHIP ID : TLS22AUG0124

Supreeth Y S
CEO
Tequed Labs

BOSCH

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. U29221KA2008PTC045967

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.

Chandrakala

(Chandrakala Basavaraju)
Deputy Manager-Human Resources

BOSCH AUTOMOTIVE ELECTRONICS INDIA PVT. LTD.

tcs iON

TATA

CERTIFICATE of INTERNSHIP

This is to certify that

Keerthana R

has successfully completed Remote Internship

for ***125*** ***hours*** *in project titled*

Rank Features of a Smartphone - Build a Python Application to Classify and Rank Dataset

by TCS iON from *19 Aug 2022* *to* *20 Sep 2022* .

TCS iON REMOTE INTERNSHIPS
Academic Credits with Industry Mentors
Cert. ID.: 818-23210899-1016
Dated: 20 Sep 2022

CERTIFIED

Mehul Mehta

Mehul Mehta
Global Delivery Head - TCS iON,
Tata Consultancy Services

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0126

Supreeth Y S
CEO
Tequed Labs

Date: 30/09/2022

To whomsoever It May Concern

This is certified that **Ms. Keerthana S** a student of **RajaRajeshwari College 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

Key Sustainability Solutions Pvt Ltd.

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0638

Supreeth Y S
CEO
Tequed Labs

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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.

To verify this certificate, CLICK HERE

COMPSOFT TECHNOLOGIES AUTHORISED SIGNATORY

Nithin K S
Project Manager
Compsoft Technologies
No. 362, 19th main road,
1st Block Rajajinagar
Bangalore - 560010

www.compstechnlogies.com
services@compstechnologies.com

This certificate was generated using CERTIEFY.COM

Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

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

VARCONS TECHNOLOGIES Pvt Ltd ★ AUTHORIZED SIGNATORY ★

Spoorthi C

DIRECTOR

VARCONS TECHNOLOGIES PVT LTD

18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

This certificate was generated using CERTIFY.COM

Generis Technologies Private Limited

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,

Director

No 488 1st Cross Road, Kalyan Nagar
HBR Layout, Bangalore 560 043
Email: info@techgeneris.com

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

Scanned with CamScanner

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD,BENGALURU-560074

(An ISO9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University,Belagavi)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Capgeminii

"TEMPLATE ON BLOOD DONOR MANAGEMENT"

Carriedout by

KUSH UPADHYAY (1RR19CS069)

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 theVisvesvaraya 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 itsatisfies the academic requirements in respect of Internship work prescribed for the Eighth semester.

.....	.....	.....
Signature of guide	**Signature of HOD**	**Signature of Principal**
[Dr. Kirubha D] Associate Professor, Dept.of CSE, RRCE,Bangalore	**[Dr.SUsha]** Prof.&HOD, Dept.ofCSE, RRCE,Bangalore	**[Dr.R.Balakrishna]** Prof.&Principal RRCE,Bangalore

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

ExternalViva-Voce

Examiners: ***Signature:***

1. _____

2. _____

Capgemini

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

TEQUED LABS
RESEARCH AND INNOVATION HUB
CERTIFICATE OF INTERNSHIP
THIS IS TO CERTIFY THAT
Lakith Kumar GK
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
Credit card Fraud Detection Dataset
INTERNSHIP ID : TLS22AUG0433
Supreeth Y S
CEO
Tequed Labs

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0929

Supreeth Y S
CEO
Tequed Labs

{KRISH}

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

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0599

Supreeth Y S
CEO
Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Madan Kumar D N

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

Credit Card Fraud Detection Dataset

INTERNSHIP ID : TLS22AUG0435

Supreeth Y S
CEO
Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0484

Supreeth Y S
CEO
Tequed Labs

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

23-02-2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that **SHYAM SUNDAR G** bearing USN: **1RR19CS145** 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 **"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.

For Aideas Engineering Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BANGALURU

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
: +91-9900242961 : www.aideas.in

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 Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

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
: +91-9900242961 : www.aideas.in

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.

For Aideas Engineering Pvt Ltd,

Authorized Signatory

Office Address
Aideas Engineering PVT. LTD.
No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

KRISH

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

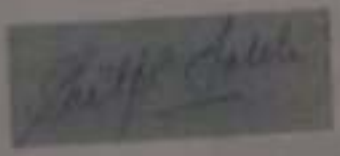
This is to certify that **Ms.SINDHU SHREE V** bearing USN No: 1RR19CS148 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

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 Jabota
Manager-HR

TECH FORTUNE
we stand for excellence

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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Authorised Signatory

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

Company Identification Number : U72900KA2019PTC125249
: +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.

For Aideas Engineering Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

Authorized Signatory

Office Address
Aideas Engineering PVT. LTD.
No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar,
Bangalore – 560079

CNR Technologies

Envision . Empower . Embrace

CERTIFICATE OF INTERNSHIP

This certificate is presented to

TEJAS V

for successfully completing an internship of one month duration working on the "AI based Resume Parser" using NLP platform in Python during the month of September 2022

Team Manager

Sandeep S Biradar

CEO

Rudramurthy B S

Date: 29-09-2022 | www.vcnrtech.com

iNube
Insurance Tech. Simplified.

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
hr@inubesolutions.com
www.inubesolutions.com

Corporate Identity No. U72200KA2010PTC054801
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aideas
engineering and software

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

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.

For Aideas Engineering Pvt Ltd,

AIDEAS ENGINEERING PVT LTD. BENGALURU

Authorized Signatory

Office Address
Aideas Engineering PVT. LTD.
No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar,
Bangalore – 560079

ENTHU TECHNOLOGY SOLUTIONS
INDIA PVT LTD

Quality Leads

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

Enthu Technology Solutions
India Pvt Ltd

Enthu Technology Solutions
India Pvt Ltd

TECH FORTUNE
we stand for excellence

Ref – TFT/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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Authorised Signatory

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

Rapsol Technologies Pvt. Ltd

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: niranjan@rapsoltechnologies.com Web: www.rapsoltechnologies.com

Generis Technologies Private Limited

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

TECH FORTUNE
we stand for excellence

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

Thaniya
Technologies

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.

THANIYA TECHNOLOGIES MANGALURU

Sincerely,

Srinivas

SRINIVAS
Project manager

Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India

+91 7019582399

contact@thaniyatech.com
info@thaniyatech.com

THE SPARKS FOUNDATION

INSPIRE, INNOVATE, INTEGRATE

CERTIFICATE OF COMPLETION

This Certificate is presented to

Syed Mansoor

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://tnsecertificates.com/verification/

PRANAV DUBEY

MANAGING DIRECTOR

{KRISH}

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

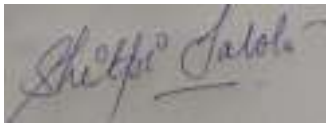
This is to certify that **Mr. KARTHIK THYAGARAJ** bearing USN No: 1RR19CS163 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

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

CNR Technologies

Envision . Empower . Embrace

CERTIFICATE OF INTERNSHIP

This certificate is presented to

TEJAS V

for successfully completing an internship of one month duration working on the "AI based Resume Parser" using NLP platform in Python during the month of September 2022

Team Manager

Sandeep S Biradar

CEO

Rudramurthy B S

Date: 29-09-2022 | www.vcnrtech.com

Take It Smart (OPC) PVT LTD

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. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

UDAYA S

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed internship in Full Stack Web Development

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

#startupindia

TECH FORTUNE
we stand for excellence

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

TECH FORTUNE ★ BANGALORE ★ TECHNOLOGIES

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

ಎರೋಸ್ಪೇಸ್ ವಿಭಾಗ/एरोस्पेस प्रभाग
AEROSPACE DIVISION
ಹಿಂದೂಸ್ತಾನ್ ವಿಮಾನ ಕಂಪಾನಿ
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಆಂಟೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೭೫೦೨, ಹೊಸ ತಿಪ್ಪಸಂದ್ರ ಆಂಟೆ,
ಬೆಂಗಳೂರು - ೫೬೦ ೦೭೫, ಭಾರತ
पोस्ट बैग सं. 7502, न्यू तिप्पसंद्रा पोस्ट,
बेंगलूरु-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 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.

Arti 12/10/2022
(Arti Verma)
Senior Manager (HR)

www.hal-india.com

{KRISH}

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

Shilpi Jalota
Manager-HR

ಏರೋಸ್ಪೇಸ್ ವಿಭಾಗ/एरोस्पेस प्रभाग
AEROSPACE DIVISION
ಹಿಂದೂಸ್ತಾನ್ ವಿಮಾನ ಕಂಪನಿ
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೭೫೦೨, ಹೊಸ ತಿಪ್ಪಸಂದ್ರ ಅಂಚೆ,
ಬೆಂಗಳೂರು - ೫೬೦ ೦೭೫, ಭಾರತ
पोस्ट बैग सं. 7502, न्यू तिप्पसंद्रा पोस्ट,
बेंगलूरु-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 12th October 2022

CERTIFICATE

*****

This is to certify that Ms Vasantha D V bearing USN: 1RR19CS169, 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.

Arti 12/10/2022
(Arti Verma)
Senior Manager (HR)

www.hal-india.com

CNR Technologies

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CERTIFICATE OF INTERNSHIP

This certificate is presented to

VIJETH S GOWDA

for successfully completing an internship of one month duration working on the "AI based Resume Parser" using NLP platform in Python during the month of September 2022

Team Manager

Sandeep S Biradar

CEO

Rudramurthy B S

Date: 29-09-2022 | www.vcnrtech.com

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: niranjan@rapsoltechnologies.com Web: www.rapsoltechnologies.com

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0603

Supreeth Y S
CEO
Tequed Labs

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

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 : TLS22AUG0044

Supreeth Y S
CEO
Tequed Labs

TECH FORTUNE
we stand for excellence

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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

RECOGNIZED BY
#startupindia

TEQUED LABS

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

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

{KRISH}

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

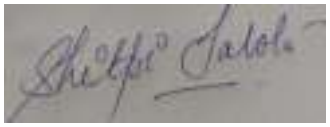
This is to certify that **Ms.CHAITHANYA M** bearing USN No: 1RR19CS026 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

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

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that Chandana R a student of Raja Rajeshwari College of Engineering has completed 1 months/weeks of Internship From 25/07/22 To 25/09/22 in Artificial Intelligence using Python Domain.

We wish you all the best in your future endeavors.

Date 25/09/22

For TechnoFly Solutions

Technofly Solutions, Vijayanagar, Bangalore - 40
Mob: 9663476586, 9741150102 | www.technofly.in

Tequed Labs
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0579

Supreeth Y S
CEO
Tequed Labs

TechnoFly Solutions

Internship Certificate

This is to certify that DEEKSHITHA . U.M a student of RAJARAJESHWARI COLLEGE OF ENGINEERING has completed 01 ✓ months/weeks of Internship From 22/08/22 To 22/9/22 in FULL STACK WEB DEVELOPMENT Domain.

We wish you all the best in your future endeavors.

Date : 22/9/22

For **TechnoFly Solutions**

TECHNOFLY SOLUTIONS ★ BANGALORE-40 ★
Date:
Sign.: Authorized Signature

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

Tequed Labs
Invent · Innovate · Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Devaraja

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

INTERNSHIP ID : TLS22AUG0438

Supreeth Y S
CEO
Tequed Labs

RECOGNIZED BY
#startupindia

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

RECOGNIZED BY
#startupindia

TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Gaddapara Kokila

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

Uber pickup dataset

INTERNSHIP ID : TLS22AUG0940

Supreeth Y S
CEO
Tequed Labs

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TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0597

Supreeth Y S
CEO
Tequed Labs

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0578

Supreeth Y S
CEO
Tequed Labs

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Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

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

VARCONS TECHNOLOGIES Pvt Ltd AUTHORIZED SIGNATORY

Spoorthi C
Director
Varcons Technlogoies Pvt Ltd

213, 2nd Floor
18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com
contact@varconstech.com

This certificate was generated using CERTIEFY.COM

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TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0594

Supreeth Y S
CEO
Tequed Labs

Collasalhub

Collasalhub IT Services
Tower A, 4, AMR Tech Park, Internal Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068
Website - collasalhub.com

Mohammad Saqib Shah **30th Sept 2022**
Machine Learning - Intern

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
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0431

Supreeth Y S
CEO
Tequed Labs

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that MASOOD MANZOOR AHMED a student of RAJARAJESWARI COLLEGE OF ENGINEERING has completed 1 months/weeks of Internship From 01/09/2022 To 30/09/2022 in MACHINE LEARNING USING PYTHON Domain.

We wish you all the best in your future endeavors.

Date : 30/09/2022

For TechnoFly Solutions

TECHNOFLY SOLUTIONS Date: Authorized Signature BANGALORE-40

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

2022.10.27 15:27

Varcons Technologies Pvt Ltd

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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

VARCONS TECHNOLOGIES Pvt Ltd AUTHORIZED SIGNATORY

Spoorthi C

Director

Varcons Technlogoies Pvt Ltd

213, 2nd Floor

18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

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TechnoFly Solutions

Internship Certificate

This is to certify that MEGHANA.S a student of RAJARAJESWARI COLLEGE OF ENGINEERING has completed 1 months/weeks of Internship From 01/09/2022 To 30/09/2022 in MACHINE LEARNING USING PYTHON Domain.

We wish you all the best in your future endeavors.

Date 30/09/2022

For TechnoFly Solutions

TECHNOFLY SOLUTIONS BANGALORE

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob : 9663476586, 9741150103 | www.technofly.in

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COMPANY CERTIFICATE

IBM edunet

Certificate of Completion

awarded to

Mohan N

for successfully completing eight weeks internship under IBM SkillsBuild Program from 19/9/2022 to 7/11/2022.

The program was conducted in collaboration with All India Council for Technical Education and Edunet Foundation.

Nagesh Singh
Executive Director-
Edunet Foundation

Thirukumaran Nagarajan
VP HR- India and South Asia
IBM

TechnoFly Solutions

Internship Certificate

This is to certify that Monika N a student of RRCE has completed 1 months/weeks of Internship in Web Development Domain.

From 25/8/2022 To 25/9/2022

We wish you all the best in your future endeavors.

Date : 25/9/2022

For **TechnoFly Solutions**

TECHNOFLY SOLUTIONS * BANGALORE * Date: 25 Authorized Signature

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Mob.: 9663476586, 9741150102 | www.technofly.in

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TEQUED LABS

RESEARCH AND INNOVATION HUB

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#startupindia

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

INTERNSHIP ID : TLS22AUG0641

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
Project Manager
Compsoft Technologies

No. [illegible] road,
1st Block Rajajinagar
Bangalore - 560010

www.compstechnlogies.com
services@compstechnologies.com

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CERTIFICATE

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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, CLICK HERE

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
1st Block Rajajinagar
Bangalore - 560010

www.compsoftechnologies.com

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CERTIFICATE

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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.

To verify this certificate,

COMPSOFT TECHNOLOGIES
AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
1st Block Rajajinagar
Bangalore - 560010

www.compsoftechnologies.com
services@compsoftechnologies.com

This certificate was generated using

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that MASOOD MANZOOR AHMED a student of RAJARAJESWARI COLLEGE OF ENGINEERING has completed 1 months/weeks of Internship From 01/09/2022 To 30/09/2022 in MACHINE LEARNING USING PYTHON Domain.

We wish you all the best in your future endeavors.

Date : 30/09/2022

For TechnoFly Solutions

TECHNOFLY SOLUTIONS Date: Authorized Signature BANGALORE-40

Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

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COMPANY CERTIFICATE

IBM edunet

Certificate of Completion

awarded to

Mohan N

for successfully completing eight weeks internship under IBM SkillsBuild Program from 19/9/2022 to 7/11/2022.

The program was conducted in collaboration with All India Council for Technical Education and Edunet Foundation.

Nagesh Singh
Executive Director-
Edunet Foundation

Thirukumaran Nagarajan
VP HR- India and South Asia
IBM

TechnoFly Solutions

Internship Certificate

This is to certify that Monika N a student of RRCE has completed 1 months/weeks of Internship in Web Development Domain.

From 25/8/2022 To 25/9/2022

We wish you all the best in your future endeavors.

Date : 25/9/2022

For **TechnoFly Solutions**

TECHNOFLY SOLUTIONS * BANGALORE * Date: 25 Authorized Signature

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TEQUED LABS

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#startupindia

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

INTERNSHIP ID : TLS22AUG0641

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
Project Manager
Compsoft Technologies

No. [illegible] road,
1st Block Rajajinagar
Bangalore - 560010

www.compstechnlogies.com
services@compstechnologies.com

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CERTIFICATE

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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, CLICK HERE

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
1st Block Rajajinagar
Bangalore - 560010

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CERTIFICATE

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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.

To verify this certificate,

COMPSOFT TECHNOLOGIES
AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
1st Block Rajajinagar
Bangalore - 560010

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services@compsoftechnologies.com

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TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

Neha R sindhe

Full stack development

THEME PARK MANAGEMENT SYSTEM

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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, Demoastrated 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

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
1st Block Rajajinagar
Bangalore - 560010

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services@compstechnologies.com

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TEQUED LABS

RESEARCH AND INNOVATION HUB

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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

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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, Demoastrated 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

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
PROJECT MANAGER
COMPSOFT TECHNOLOGIES
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Bangalore - 560010

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RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

R Shobha

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 : TLS22AUG0485

Supreeth Y S
CEO
Tequed Labs

Tequed Labs
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TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

Tequed Labs
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TEQUED LABS

RESEARCH AND INNOVATION HUB

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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

INTERNSHIP ID : TLS22AUG1030

Supreeth Y S
CEO
Tequed Labs

Tequed Labs
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TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

INTERNSHIP ID : TLS22AUG0040

Supreeth Y S
CEO
Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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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TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

COMPANY CERTIFICATE

RECOGNIZED BY
startupindia

TEQUED LABS
RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Sagar 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

INTERNSHIP ID : TLS22AUG0044

Supreeth Y S
CEO
Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

Supreeth Y S
CEO
Tequed Labs

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

Supreeth Y S
CEO
Tequed Labs

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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

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.

RICHA VAID

SOCIAL GORWTH MANAGER,
CLICKUP, SAN DIEGO, USA

ZEB EVANS

CEO, 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.

RICHA VAID

SOCIAL GORWTH MANAGER,
CLICKUP, SAN DIEGO, USA

ZEB EVANS

CEO, CLICKUP,
SAN DIEGO, USA

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

Supreeth Y S
CEO
Tequed Labs

Enthu Tech
Infinite Innovations

Enthu Technology Solutions
India Pvt Ltd

Quality Leads

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

Training Manager
Enthu Technology Solutions
India Pvt Ltd

Director
Enthu Technology Solutions
India Pvt Ltd

Varcons Technologies Pvt Ltd

Communicate. Collaborate. Create

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

VARCONS TECHNOLOGIES Pvt Ltd AUTHORIZED SIGNATORY

Spoorthi C

Director

Varcons Technlogoies Pvt Ltd

213, 2nd Floor

18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

This certificate was generated using CERTIEFY.COM

Thaniya
Technologies

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.

THANIYA TECHNOLOGIES MANGALURU

Sincerely,

Srinivas

SRINIVAS
Project manager

Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India

+91 7019582399

contact@thaniyatech.com
info@thaniyatech.com

Thaniya
Technologies

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.

THANIYA TECHNOLOGIES MANGALURU

Sincerely,

Srinivas

SRINIVAS
Project manager

Shri Kalyani Opp Amara Jyothi Clinic SadanandaKamath Road Karkala, Karnataka, India

+91 7019582399

contact@thaniyatech.com
info@thaniyatech.com

TechnoFly Solutions

Internship Certificate

This is to certify that GUNASREE.N.A a student of RAJARAJESWARI COLLEGE OF ENGINEERING has completed 01 ✓ months/weeks of Internship From 22/8/22 To 22/9/22 in FULL STACK WEB DEVELOPMENT Domain

We wish you all the best in your future endeavors

Date: 22/9/22

For TechnoFly Solutions

RECOGNIZED BY
#startupindia

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

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0597

Supreeth Y S
CEO
Tequed Labs

Collasalhub

Collasalhub IT Services
Tower A, 4, AMR Tech Park, Internal Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068
Website - collasalhub.com

Mohammad Saqib Shah **30th Sept 2022**
Machine Learning - Intern

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

aideas
engineering and software

Company Identification Number : U72900KA2019PTC125249
: +91-9900242961 : www.aideas.in

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 Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

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
: +91-9900242961 : www.aideas.in

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 Pvt Ltd,

AIDEAS ENGINEERING PVT. LTD. BENGALURU

Authorized Signatory

Office Address

Aideas Engineering PVT. LTD.
No.18,Navami Arcade, 3rd floor, 1st Main Road, 3rd Block, 3rd Stage, Basaveswaranagar, Bangalore – 560079

Tequed Labs
Invent · Innovate · Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

Take It Smart (OPC) PVT LTD

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. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

UDAYA S

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed internship in Full Stack Web Development

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

#startupindia

TECH FORTUNE
we stand for excellence

Ref – TFT/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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Authorised Signatory

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

TECH FORTUNE
we stand for excellence

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

BOSCH

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. U29221KA2008PTC045967

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.

Chandrakala

(Chandrakala Basavaraju)
Deputy Manager-Human Resources

BOSCH AUTOMOTIVE ELECTRONICS INDIA PVT. LTD.

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

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

INTERNSHIP ID : TLS22AUG0597

Supreeth Y S
CEO
Tequed Labs

RECOGNIZED BY
#startupindia

TEQUED LABS

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

RECOGNIZED BY
#startupindia

TEQUED LABS

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

TECH FORTUNE
we stand for excellence

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

TECH FORTUNE TECHNOLOGIES BANGALORE 560040

Mallikarjun V S
CEO- Tech Fortune
Place: Bangalore

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

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 : TLS22AUG0044

Supreeth Y S
CEO
Tequed Labs

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

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 : TLS22AUG0044

Supreeth Y S
CEO
Tequed Labs

{KRISH}

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

Shilpi Jalota
Manager-HR

COMPANY CERTIFICATE

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY #startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Vishal L

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 : TLS22AUG0044

Supreeth Y S
CEO
Tequed Labs

Take It Smart (OPC) PVT LTD

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. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

UDAYA S

Student of RAJARAJESWARI COLLEGE OF ENGINEERING

Has completed internship in Full Stack Web Development

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

#startupindia

CNR Technologies

Envision . Empower . Embrace

CERTIFICATE OF INTERNSHIP

This certificate is presented to

TEJAS V

for successfully completing an internship of one month duration working on the "AI based Resume Parser" using NLP platform in Python during the month of September 2022

Team Manager

Sandeep S Biradar

CEO

Rudramurthy B S

Date: 29-09-2022 | www.vcnrtech.com

TECH FORTUNE
we stand for excellence

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

Generis Technologies Private Limited

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

Date: - 30th Sept 2022

Sub: - Internship Completion Letter

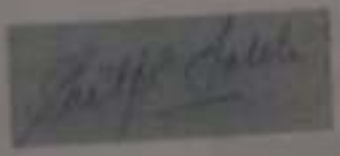
This is to certify that **Ms.SINDHU SHREE V** bearing USN No: 1RR19CS148 is a student of Bachelor of Engineering, from RAJARAJESWARI COLLEGE OF ENGINEERING, was working with us as an intern.

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 Jabota
Manager-HR

CNR Technologies

Envision . Empower . Embrace

CERTIFICATE OF INTERNSHIP

This certificate is presented to

TEJAS V

for successfully completing an internship of one month duration working on the "AI based Resume Parser" using NLP platform in Python during the month of September 2022

Team Manager

Sandeep S Biradar

CEO

Rudramurthy B S

Date: 29-09-2022 | www.vcnrtech.com

Collasalhub

Collasalhub IT Services
Tower A, 4, AMR Tech Park, Internal Road, GarvebhaviPalya, 2nd main, First Floor, Bangalore - 560068
Website - collasalhub.com

Mohammad Saqib Shah **30th Sept 2022**
Machine Learning - Intern

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
Invent - Innovate - Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Pooja 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

Ready to Travel

INTERNSHIP ID : TLS22AUG0948

Supreeth Y S
CEO
Tequed Labs

Tequed Labs
Invent · Innovate · Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

Enthu Tech
Infinite Innovations

Enthu Technology Solutions
India Pvt Ltd

Quality Leads

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

Training Manager
Enthu Technology Solutions
India Pvt Ltd

Director
Enthu Technology Solutions
India Pvt Ltd

Tequed Labs
Invent · Innovate · Iterate

TEQUED LABS

RESEARCH AND INNOVATION HUB

RECOGNIZED BY
#startupindia

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

RECOGNIZED BY
#startupindia

TEQUED LABS

RESEARCH AND INNOVATION HUB

CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

R Shobha

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 : TLS22AUG0485

Supreeth Y S
CEO
Tequed Labs

RECOGNIZED BY
#startupindia

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

TIME BEST INVENTIONS 2020

BRAINBOX

TECHNOLOGICS

Internship Certificate

This certificate is proudly presented to

Harshitha B J

for successful completion of Internship in Embedded and IoT

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-2022 ,

for the student of Rajarajeshwari college of engineering ramohalli cross

IP500 Honeywell TRIDIUM Pelco ESSL ISO 9001

CamScanner

Take It Smart (OPC) PVT LTD

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. : 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

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

#startupindia

Mallikarjun Kumbar
Director

TIME BEST INVENTIONS 2020

BRAINBOX

TECHNOLOGICS

Internship Certificate

This certificate is proudly presented to

Sanjana N

for successful completion of Internship in Embedded system

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-2022.

for the student of Rajarajeshwari college of engineering

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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 Internship in Embedded System and IoT

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

#startupindia

Take It Smart (OPC) PVT LTD

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Vijayanagar, 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

#startupindia

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TECHNOLOGICS

Internship ID: TLINT/2022/883
Awarded Date: 05-11-2022
Duration: 1 month

Internship Certificate

This certificate is proudly presented to

Vinoth. M R

for successful completion of Internship in Embedded system

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-8-2022 *to* 21-9-2022.

for the student of Rajarajeshwari college of engineering

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KARUNADU TECHNOLOGIES PRIVATE LIMITED
#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya Bank,
Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

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-1RR19EC001** 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.

ENGINE DIVISION
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED
Ph. : 91 80
Fax : 91 - 80

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

www.hal-india.co.in

DIGIADD
Technologies

Certificate of Completion

AJAY KUMAR · K

A student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Bearing USN No: 1RR19EC003 has successfully completed internship on Domain

Embedded Systems & IOT From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

Manager, Digiadd

ENGINE DIVISION
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED
Ph.: 91-80
Fax: 91-80

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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Guttebasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

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.

HARISH N
GUIDE
Karunadu Technologies Pvt.Ltd.

MAHESH DEGINAL
Managing Director
Karunadu Technologies Pvt.Ltd.

APSIS
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Amaresh C Sarawad

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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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 performanc : is good.

During his/her Internship, he she was exposed to the various activities in field of Embedded System. During the cours he/she was trained and he/she carried out a project on **Iot Office Automation.**

During the period of his/her ternship training with us he/she was found punctual, hardworking and inquisitive.

His/her association with us as 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.

TEQUED LABS

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CERTIFICATE OF INTERNSHIP

THIS IS TO CERTIFY THAT

Basavaraju M (1RR19EC008)

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

INTERNSHIP ID : TLS22AUG0562

Supreeth Y S
CEO
Tequed Labs

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Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027. INDIA

No: BMRCL/CE (PM)/Internship/Certificate/2022-23 19th October 2022

TO WHOM-SO-EVER IT MAY CONCERN

****

This is to certify that **Ms. CHAITHRA A (1RR19EC009)** 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.

19/10/2022

(M. Srinivas)
Chief Engineer (PM)

Phone : +91-(080)-2296 9300 / 22969301, Fax : + 91-(080)-2296 9222, E-mail : bmrcl@dataone.in, Web : www.bmrc.co.in
CIN No. : U16266KA1994GOI016288

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CERTIFICATE

This is to certify that

Chandan J

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Chandana G R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N. Swasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
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Internship ID TLINT/2022/887
Awarded Date 24-09-2022
Duration 1 month

Internship Certificate

This certificate is proudly presented to

Chethan . A K

for successful completion of Internship in Embedded c and IOT

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-2022 .

for the student of Rajarajeshwari college of engineering,Ramohalli gate .

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Signature of Authority

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Certificate of Completion

D. VAMSI KRISHNA

A student of Rajarajeshwari College of Engineering

Bearing USN No: 1RR19EC013 has successfully completed internship on Domain

Embedded Systems & IOT. From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

DIGIADD TECHNOLOGIES BANGALORE

Manager, Digiadd

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Internship ID: TLINT/2022/893
Awarded Date: 24-09-2022
Duration: 1 month

Internship Certificate

This certificate is proudly presented to

Dhanush D

for successful completion of Internship in Embedded and IoT

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-22

for the student of Rajarajeswari college of engineering, Ramohalli gate

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हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

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ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ 1788, ಬೆಂಗಳೂರು-560017, ಭಾರತ
Post Bag No.1788, Bengaluru-560017, India
Ph.: 91-80-2231 1741
Fax: 91-80-2231 5188

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

(Kanika Narain)
Senior Manager (HR)

Ms. Dimple Y.

BE(Electronics & Communication),

Rajarajeswari College of Engineering

Bangalore.

www.hal-india.co.in

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Gutteba sveshwara Nagar, Chikkabanavara, Bengaluru - 560090

Ref No: KTPT/INT/2022/0522 **Date: 30-Sep-2022**

To Whomsoever It May Concern

CERTIFICATE

This is to certify that **Mr/Ms. DIVY A RAGHURAM PRABHU** from RAJARAJESWARI COLLEGE OF ENGINEERING bearing **USN-1RR19EC016** 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 **Coal Mine Safety Monitoring And Alerting System.**

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

TIME BEST INVENTIONS 2020

BRAINBOX

TECHNOLOGICS

Diverse Technologies | Seamless Integrity

Internship ID: TLINT/2022/889
Awarded Date: 24-09-2022
Duration: 1 month

Internship Certificate

This certificate is proudly presented to

Gagan S J

for successful completion of Internship in Embedded and IOT

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-2022,

for the student of Rajarajeswari college of engineering, Ramohalli gate

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Signature of Authority

Raghavendra Complex, 10th Main Road, 4th Block, Jayanagar, Bengaluru - 560041, India | www.technologics.in

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Technologies

Certificate of Completion

Gaurav M Pawar

A student of Rajarajeshwari College of Engineering.

Bearing USN No: 1RR19EC018. has successfully completed internship on Domain

Embedded Systems & IOT. From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

Manager, Digiadd

DIGIADD TECHNOLOGIES

DIGIADD
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Certificate of Completion

GOVARDHAN .B.S

A student of Rajarajeshwari College of Engineering.

Bearing USN No: 1RR19EC019 has successfully completed internship on Domain

Embedded Systems & IOT From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

DIGIADD TECHNOLOGIES

Manager, Digiadd

TechnoFly Soluti

Techno fly

Int[illegible]rtificate

This is to certify that [illegible] a student of Rajarajeswari college of Engineering

[illegible] months/weeks of Internship

From 22/08/22 To 17/09/22 [illegible] Domain.

We wish [illegible] endeavors.

Date : 17/09/22

For TechnoFly Solutions

TECHNOFLY SOLUTIONS Date: Authorised Signatory BANGALORE-40

Technofly Solutions, Vijayanagar, Bangalore - 40
Mob.: 9663476586, 9741150102 | www.technofly.in

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Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027, INDIA

No: BMRCL/CE (PM)/Internship/Certificate/2022-23 19th October 2022

TO WHOM-SO-EVER IT MAY CONCERN

****

This is to certify that **Ms. GOWTHAMI R (1RR19EC021)** 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.

(M. Srinivas)
Chief Engineer (PM)

TIME BEST INVENTIONS 2020

BRAINBOX

Internship ID TLINT/2022/881
Awarded Date 24-09-2022
Duration 1 month

TECHNOLOGICS

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Internship Certificate

This certificate is proudly presented to

Harshitha B

for successful completion of Internship in Embedded and IOT

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 21-08-2022 *to* 21-09-2022.

for the student of Rajarajeswari college of engineering

CERTIFICATE OF EXCELLENCE SINCE 2001

IP500

Honeywell TRIDIUM

PcVue

N.S.D.C. National Skill Development Corporation

Skill India

ESSCI

ISO 9001

TECHNOLOGICS GLOBAL PVT LTD

Signature of Authority

Bangalore Complex, 10th Main Road, 4th Block, Jayanagar, Bengaluru - 560041

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BRAINBOX

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Internship ID: TLINT/2022/1025
Awarded Date: 24-09-2022
Duration: 1 MONTH

Internship Certificate

This certificate is proudly presented to

Hollen Loukham

for successful completion of Internship in Embedded System and ioT

under the guidance of TECHNOLOGICS GLOBAL PVT LTD

Conducted between 21-08-2022 *to* 21-09-2022

for the student of Rajarajeswari College Of Engineering

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CERTIFICATE

This is to certify that

Jaswanthgowda A C

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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CERTIFICATE

This is to certify that

. Kaliprasad . M

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

MICROCHIP
AUTHORISED
TRAINING
PARTNER

APSIS Solutions
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Kavya C

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Keerthi B N

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS Solutions
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Kushala V K

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

TechnoFly Solutions

Technofly

Internship Certificate

This is to certify that LOKNATH. N a student of Rajarajeswari college of Engineering has completed 1 months/weeks of Internship From 22/08/22 To 17/09/22 in Embedded Systems & IOT Domain.

We wish you all the best in your future endeavors.

Date : 17/09/22

For TechnoFly Solutions

Authorised Signature

Technofly Solutions, Vijayanagar, Bangalore - 40
Mob : 9663476586, 9741150102 | www.technofly.in

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हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

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पोस्ट बैग सं. 1788, बेंगलूरु - 560017, भारत
Post Bag No 1788, Bengaluru - 560017, India
Ph. : 91-80-2231 1741
Fax : 91-80-2231 5188

No.A/HR/509/318/2022

September 15, 2022

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 Narain)
Senior Manager (HR)

Ms. Manasa B G,

BE(Electronics & Communication),

Rajarajeswari College of Engineering

Bangalore

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CERTIFICATE

This is to certify that

Manjunath Uppar

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
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Post Bag No 1788, Bengaluru 560017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

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)

Mr. Manoj D,

BE(Electronics & Communication),

Rajarajeswari College of Engineering

Bangalore.

ನೋಂದಾಯಿತ ಕಚೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ
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From 22nd August 2022 to 17th September 2022

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Ph. : 91 80 2211 1741
Fax : 91 80 2211 5188

No. A/HR/509/[illegible] /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.

(B Arockia Jothi)
Chief Manager (HR)

Mr.Manoj M R,

BE(Electronics & Communication),

Rajarajeswari College of Engineering,

Bangalore.

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This is to certify that

Megha H V

has successfully completed Four Weeks

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Shailendra Shukla
General Manager
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has successfully completed Four Weeks

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Fax : 91 - 80 - 2231 5188

No.A.HR/509/386 /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 Arockia Jothi)
Chief Manager (HR)

Ms. Monika M K,
BE(Electronics & Communication),
Rajarajeswari College of Engineering,
Bangalore.

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Office of the GM BSNL BA SRINAGAR.

CERTIFICATE

No: - ES/IT-2020-2021/V/83

Dated:-20-09-2022

This is to certify that **Muneeb Gull USN** No.1RR19EC039 Student of **Rajarajeshwari College of Engineering Bengaluru** has completed **Three weeks** industrial training in BSNL in the year 2022 W.e.f 29-08-2022 to 17-09-2022

The conduct and performance of the candidate has remained very good.

Sub Divisional Engineer(Admn)
O/o GM BSNL Srinagar.

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CERTIFICATE

This is to certify that

Nandyala Pavan Kalyan

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

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Shailendra Shukla
General Manager
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Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A.HR/509/ 381 /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 Arockia Jothi)
Chief Manager (HR)

Ms. Nayana S R,
BE(Electronics & Communication),
Rajarajeswari College of Engineering,
Bangalore.

ENGINE DIVISION
HINDUSTAN AERONAUTICS LIMITED

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

www.hal-india.co.in

RKT/08/2022/600(4) 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.

BEML LIMITED New Thippasandra Post Bangalore - 560 075 Bangalore Complex

(LATHA K)
AGM – TRAINING

RKT/08/2022/Cert(S)

18.09.2022

CERTIFICATE

This is to certify that Ms. NITHYA S PRASAD (1RR19EC044), 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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Internship Certificate

This is to certify that NITISH YUMNAM a student of Rajarajeswari College OF Engineering has completed 1 months/weeks of Internship From 22/08/22 To 17/09/22 in Embedded Systems & IOT Domain.

We wish you all the best in your future endeavors.

Date : 17/09/22

For TechnoFly Solutions

TECHNOFLY SOLUTIONS BANGALORE

Authorised Signature

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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.

14/10/2022

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, KTMD
CSIR-NAL

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CERTIFICATE

This is to certify that

Pasupuleti Venkata Sai Lakshmi

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

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Shailendra Shukla
General Manager
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CERTIFICATE

This is to certify that

Padmitha S

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Aswasthi
VP-Technical
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General Manager
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Ph.: 91 - 80 - 2231 1741
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No. A/HR/509/ 385 /2022

September 15, 2022

CERTIFICATE

This is to certify that **Mr. Pavan M,** USN 1RR19EC049 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.

(B Arockia Jothi)
Chief Manager (HR)

Mr.Pavan M,

BE(Electronics & Communication),

Rajarajeswari College of Engineering,

Bangalore

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National Aerospace Laboratories
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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

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

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30 SEP 2022
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innovation.creation

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)

Ganesh G
(Human Resources Manager)

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CERTIFICATE

This is to certify that

Pooja R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

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PARTNER

Shailendra Shukla
General Manager
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CERTIFICATE

This is to certify that

Poorva Pai

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N. Awasthi
VP-Technical
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PARTNER

Shailendra Shukla
General Manager
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Date- 19/10/2022

Certificate Of Internship

This is to certify that Prajwal BR(1RR19EC054), 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.

Anurag Patwary
(Product Manager)

Ganesh G
(Human Resources Manager)

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Date- 19/10/2022

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.

Anurag Patwary
(Product Manager)

Ganesh G
(Human Resources Manager)

innovation creation

Date- 19/10/2022

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.

Anurag Patwary
(Product Manager)

Ganesh G
(Human Resources Manager)

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This Certifies that

PRAJWAL G

Student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Has completed Internship in 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

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Internship Certificate

This Certifies that

Prajwal Prasad R (1RR19EC056)

Student of **RajaRajeswari College of Engineering**

Has completed internship in **Home Automation Arduino 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

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Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A/HR/509/315/2022

September 15, 2022

CERTIFICATE

This is to certify that Mr. Prashanth 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)

Mr. Prashanth R S,

BE(Electronics & Communication),

Rajarajeswari College of Engineering

Bangalore.

ನೋಂದಾಯಿತ ಕಛೇರಿ : ನಂ/ಗಿ, ಕುಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560001, ಭಾರತ
पंजीकृत कार्यालय : 15/1, कब्बन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India
ಸಿ ಐ ಎನ್ / सी आई एन / CIN: L35301KA1963GOI001622 ಇ / ई / E : hr_ac@hal-india.co.in

www.hal-india.co.in

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APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Prathyusha H Kumar

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
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TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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www.takeitsmart.in

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

#startupindia

Knowx
Beyond Innovations.

An Embedded and Telecom company.

CERTIFICATE

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 8051, Arduino, Python, 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.

Uma.N
HR Manager

Knowx Innovations (p) Ltd.
Corporate office and works : # 56/56, 2nd Floor, Pushpagiri Complex, 17th Cross, 8th Main,
Vijayanagar, Bangalore - 560 040. INDIA. Ph: 91-080-41735554
www.knowxindia.com

18/11/2022

Knowx
Beyond Innovations.

An Embedded and Telecom company.

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.**

Uma. N
HR Manager

APSIS
Solutions
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CERTIFICATE

This is to certify that

Ranjitha L P

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Rashmi Shree N

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

Akriti Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

Chira

Certificate Of Internship

We present this certificate to

RITHIN D

in recognition of his/her hard work and dedication as an intern at **"Chira Information Technologies"** in

Freak Spotting and Cautioning Device

The internship was conducted between 22nd Aug 2022 to 17th Sept 2022

Congratulations & best wishes for his/her future endeavors.

Technical Head

www.chirait.com

Director

APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Roopa. R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

OCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

Chira

Certificate Of Internship

We present this certificate to

SADHANA R

in recognition of his/her hard work and dedication as an intern at **"Chira Information Technologies"** in

Nursling Monitoring System

The internship was conducted between 22nd Aug 2022 to 17th Sept 2022

Congratulations & best wishes for his/her future endeavors.

Technical Head

www.chirait.com

Director

innovation creation

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.

Anurag Patwary
(Product Manager)

Ganesh G
(Human Resources Manager)

internship@icsoln.com www.icsoln.com 721 JP Nagar 7th Phase, Bengaluru 560078

Web Development • Digital Marketing • Branding
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APSIS
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Sanjana H

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N.Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

DIGIADD
Technologies

Certificate of Completion

SANJAY · G · S

A student of RAJARAJESHWARI COLLEGE of ENGINEERING

Bearing USN No: 1RR19EC070 has successfully completed internship on Domain

Embedded Systems & IOT From 24/08/2022 To 17/09/2022

We found him/~~her~~ sincere, hardworking, dedicated and result oriented.

We wish all the best for his/~~her~~ future Endeavour.

DIGIADD TECHNOLOGIES BANGALORE

Manager, Digiadd

ಬೆಂಗಳೂರು ವಿಭಾಗ / ಅಸಾಹಾರಾಜ್ ಡಿಸಿಲ್ / AIRCRAFT DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಕೆಲ್ಲಾ ಸಂಕೀರ್ಣಿಯ / BANGALORE COMPLEX
ಬೆಂಗಳೂರು ಬೆಂಗಳೂರು ಬೆಂಗಳೂರು
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

हिएलि HAL

ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ / CEOS, ಬೆಂಗಳೂರು-560 001, ಭಾರತ
ಬೆಂಗಳೂರು ಸಂಖ್ಯೆ 1788, ಕೆಲ್ಲಾ - 560 017, ಭಾರತ
Post Bag No 1788, Bengaluru - 560 017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

07/11/22

No.A/HR/509/384/2022

September 15, 2022

CERTIFICATE

This is to certify that **Mr. Santhosh Gowda K R,** USN 1RR19EC071 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.

(B Aravinda Jothi)
Chief Manager (HR)

Mr.Santhosh Gowda K R,

BE(Electronics & Communication),

Rajarajeswari College of Engineering,

Bangalore.

www.hal-india.co.in

APSIS
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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

N Vasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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19/11/2022

Knowx
Beyond Innovations.

An Embedded and 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. N
HR Manager

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 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.

Anurag Patwary
(Product Manager)

Ganesh G
(Human Resources Manager)

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www.takeitsmart.in

TAKE IT SMART

Reg No. : 150028

ISO 9001 :2015

Internship Certificate

This Certifies that

SHREYANK H

Student of RAJARAJESHWARI COLLEGE OF ENGINEERING

Has completed Internship in 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

#startupindia

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www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

SNEHA G (1RR19EC078)

Student of **RajaRajeswari College of Engineering**

Has completed Internship 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

#startupindia

APSIS
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Sonali Chavan S

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

Chira Information Technologies

Ref: EI/INTERNSHIP/2022/23 DATE: 17/09/2022

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that **Ms. Spandana C S [USN – 1RR19EC080]**, a student of B.E in Electronics and Communication Engineering from **"Rajarajeswari College of Engineering"** Bangalore, has successfully completed internship work on the domain **"Embedded System and IoT"** with project **"Smart Street Light"** at **"Chira Information Technologies"** from 27th August 2022 to 17th September 2022 under the guidance of **Mr. Kishan M**, Senior Hardware Developer.

Her conduct and performance was good during the tenure.

Project/Internship Guide

Director

No. 2934 & 2935E "ARERANGA" COMPLEX 2nd Floor, Vijaynagar Bengaluru - 560 040, India
Ph.: 080 23504196, 41270234, 41660033, 41270201, sales@chirait.com www.chirait.com

Chira

Certificate Of Internship

We present this certificate to

SHWETHA

in recognition of his/her hard work and dedication as an intern at **"Chira Information Technologies"** in

Machine Parch Detection & Alerting

The internship was conducted between 22nd Aug 2022 to 17th Sept 2022

Congratulations & best wishes for his/her future endeavors.

Technical Head

www.chirait.com

Director

Knowx

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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

APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Sukruthi R Gowda

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

मानव संसाधन विभाग
हेलिकॉप्टर प्रभाग (हैक)
हिन्दुस्तान एरोनाटिक्स लिमिटेड
पोस्ट बैग संख्या 1790, बेंगलूरु – 560017, भारत

HR DEPARTMENT
HELICOPTER DIVISION (HC)
HINDUSTAN AERONAUTICS LIMITED
Post Bag No.1790, Bangalore-560 017, India
Ph. (दूरभाष) : 91-80-2231 7891, 2232 2918
Fax (फैक्स) : 91-80-22314717

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.

2. 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

19/9/2022

(Tarani Ranjan Patro)
Senior Manager (HR)

तरनी रंजन पात्रो
वरिष्ठ प्रबंधक (मा.सं.)
TARANI RANJAN PATRO
Sr. Manager (HR)

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Chira

Certificate Of Internship

We present this certificate to

SURIYAPRABHA S

in recognition of his/her hard work and dedication as an intern at **"Chira Information Technologies"** in

IOT Based Smart Parking

The internship was conducted between 22nd Aug 2022 to 17th Sept 2022

Congratulations & best wishes for his/her future endeavors.

Technical Head

www.chirait.com

Director

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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.**

Uma. N
HR Manager

Knowx Innovations (p) Ltd.
Corporate office and works : # 56/58, 2nd Floor, Pushpagiri Complex, 17th Cross, 8th Main,
Vijayanagar, Bangalore - 560 040. INDIA. Ph : 91-080-41735554
www.knowxindia.com

Ekam Rehab Tech Private Limited
Corporate Identity No U72200KA2019PTC128978
Door No 18 Manipal Universal Technology Business Incubator, 4th Floor, Manipal Advanced Research
Centre Madhavnagar, Manipal-576104
Date of Incorporation : 30 Jan 2019

TO WHOM IT MAY CONCERN

This is to certify that Ms. Sushma GS (1RR19EC086) 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

EKAM REHAB TECH PVT. LTD. MANIPAL 576 104

Your Faithful,

Mr. Shamanth Madapur

Senior Embedded Engineer

Ekam Rehab Tech Pvt Ltd, Manipal

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Chira Information Technologies

Ref: EUINTERNSHIP/2022/47 DATE: 17/09/2022

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Ms. **Swathi J [USN – 1RR19EC087]**, a student of B.E in Electronics and Communication Engineering from **"Rajarajeswari College of Engineering"** Bangalore, has successfully completed internship work on the domain **"Embedded System and IoT"** with project **"Smart Electric Cycle"** at **"Chira Information Technologies"** from 22nd August 2022 to 17th September 2022 under the guidance of **Mrs. Shruthi K S** Junior Hardware Developer.

Her conduct and performance was good during the timing.

Project/Internship Guide

Director

No. 2934 & 2935E "ARERANGA" COMPLEX 2nd Floor, Vijaynagar Bengaluru - 560 040. India
Ph.: 080 23504196, 41270234, 41660033, 41270201, sales@chirait.com www.chirait.com

ENTUPLE
TECHNOLOGIES

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.

Mr. Vidyasagar M.K
Business Manager

Entuple Technologies Pvt. Ltd.
Certificate Number: *2210180002*

TECH FORTUNE

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 21st 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

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भारत इलेक्ट्रॉनिक्स लिमिटेड
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
उत्पाद विकास एवं नवोन्मेष केंद्र
जालहल्ली पोस्ट, बेंगलूरु-560 013, भारत
BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, 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.

HS Raghavan

प्रबंधक (मा सं/उ वि न के)
Manager (HR/ PDIC) 12/09/22

राघवा एच. एस. / RAGHAVA H.S.
स्टाफ सं / STAFF No 212487
प्रबंधक / MANAGER
मा. सं (पीडीआईसी) / HR (PDIC)

APSIS Solutions
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Thakshith B K

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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TECH FORTUNE
we stand for excellence

Ref: TFT/INT/2022/00102 19th 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 7143/8317 35 5535 - www.tech-fortune.com | email: info@tech-fortune.com

Scanner by Droid-Veda

मानव संसाधन विभाग
हेलिकॉप्टर प्रभाग (हैक)
हिंदुस्तान एरोनॉटिक्स लिमिटेड
पोस्ट बैग संख्या 1790, बेंगलूर - 560017, भारत

HR DEPARTMENT
HELICOPTER DIVISION (HC)
HINDUSTAN AERONAUTICS LIMITED
Post Bag No.1790, Bangalore-560 017, India
Ph. (दूरभाष) : 91-80-2231 7891, 2232 2918
Fax (फैक्स) : 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.

2. His Punctuality, Conduct, Behaviour and Progress during the period of "Internship" was Satisfactory.

3. We wish Mr. Tushar Khatawakar N all the very best in all his future endeavors.

For HAL-Helicopter Division

19/9/2022

(Tarani Ranjan Patro)
Senior Manager (HR)

तरनी रंजन पात्रो
वरिष्ठ प्रबंधक (मासं)
TARANI RANJAN PATRO
Sr. Manager (HR)
हेलिकॉप्टर प्रभाग, एचएएल, बेंगलूरु - 17
Helicopter Division, HAL, Bengaluru - 560 017

www.hal-india.com

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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Varnitha M Shet

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS Solutions
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Varshith Raj C R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

C)

innovation.creation

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)

Ganesh G
(Human Resources Manager)

Take It Smart (OPC) PVT LTD

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. : 150027

ISO 9001 :2015

Internship 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

#startupindia

APSIS Solutions
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Varun Raj C R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Vinay H R

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP AUTHORISED TRAINING PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

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APSIS
INNOVATING THROUGHOUT

APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Vishwanath B S

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N.Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

Knowx
Beyond Innovations.

An Embedded and Telecom company.

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.**

Uma. N
HR Manager

Knowx Innovations (p) Ltd.

Corporate office and works : # 56/56, 2nd Floor, Pushpagiri Complex, 17th Cross, 8th Main, Vijayanagar, Bangalore - 560 040. INDIA. Ph : 91-080-41735554
www.knowxindia.com

मानव संसाधन विभाग
हेलिकॉप्टर प्रभाग (हैक)
हिन्दुस्तान एरोनाटिक्स लिमिटेड
पोस्ट बैग संख्या 1790, बेंगलूर - 560017, भारत

HR DEPARTMENT
HELICOPTER DIVISION (HC)
HINDUSTAN AERONAUTICS LIMITED
Post Bag No.1790, Bangalore-560 017, India
Ph. (दूरभाष) : 91-80-2231 7891, 2232 2918
Fax (फैक्स) : 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)
तरनी रंजन पात्रो
वरिष्ठ प्रबंधक (मा.सं.)
TARANI RANJAN PATRO
Sr. Manager (HR)

पंजीकृत कार्यालय : 15/1, कब्बन रोड, बेंगलूर - 560001, भारत
Registered Office: 15/1, Cubbon Road, Bangalore-560 001, India
CIN: U35301KA1963GOI001622 E(X) : hrhcop@hal-india.com

www.hal-india.com

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APSIS
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APSIS SOLUTIONS

CERTIFICATE

This is to certify that

Yatheesh R B

has successfully completed Four Weeks

INTERNSHIP ON EMBEDDED SYSTEMS, IoT & ROBOTICS

From 22nd August 2022 to 17th September 2022

N Awasthi
VP-Technical
APSIS SOLUTIONS

MICROCHIP
AUTHORISED
TRAINING
PARTNER

Shailendra Shukla
General Manager
APSIS SOLUTIONS

Knowx
Beyond Innovations.

An Embedded and Telecom company.

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.

Corporate office and works : # 56/58, 2nd Floor, Pushpagiri Complex, 17th Cross, 8th Main,
Vijayanagar, Bangalore - 560 040, INDIA. Ph : 91-080-41735554
www.knowxindia.com

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

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

ವಿಮಾನ ವಿಭಾಗ / एयरक्राफ्ट प्रभाग / AIRCRAFT DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बेंगलूर कॉम्प्लेक्स / BANGALORE COMPLEX
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಅಂಚೆ ಚೀಟಿ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ
पोस्ट बैग सं.1788, बेंगलूर - 560017, भारत
Post Bag No.1788, Bengaluru - 560017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A/HR/509/ 379 /2022

October 15, 2022

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.

2. We wish him All the Best, Good Luck and Success in his future endeavors.

(B Arockia Jothi)
Chief Manager (HR)

Mr.Kiran B H,

BE(Mechanical),

Rajarajeswari College of Engineering,

Bangalore.

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. G S YOGESH KUMAR

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**

Mr. G S YOGESH KUMAR

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**

Mr. G S YOGESH KUMAR

Technical director

BOSCH

Bosch Limited
No. 42, II Phase, Sector 2,
KIADB Industrial Area,
Shanumangala, Bidadi Hobli,
Ramanagar Dist.-562 109.
www.boschindia.com

Tel. :
Fax :

Your ref/date

Our ref
BidP1/HRL

Date : 03.10.2022

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,**

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.

ವಿಮಾನ ವಿಭಾಗ / एयरक्राफ्ट प्रभाग / AIRCRAFT DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बेंगलूर कॉम्प्लेक्स / BANGALORE COMPLEX
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ
पोस्ट बैग सं.1788, बैंगलूरु - 560 017, भारत
Post Bag No.1788, Bengaluru - 560 017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A/HR/509/ 380 /2022

October 15, 2022

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.

2. We wish him All the Best, Good Luck and Success in his future endeavors.

(B Arockia Jothi)
Chief Manager (HR)

Mr.Sandeep V S,

BE(Mechanical),

Rajarajeswari College of Engineering,

Bangalore.

www.hal-india.co.in

Featherlite®

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

Kavitha U.

Kavitha U

HR-Manager

FEATHERLITE OFFICE SYSTEMS (P) LTD
83 & 86/1, Bangalore - Mysore Road,
Hejjala Circle, Ramanagaram Dist.
Pin Code - 562 109
Tel : 29437778
Fax : 29437771
website : www.featherlitefurniture.com

08.03.2023

Featherlite®

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

Kavitha U.

Kavitha U
HR-Manager

FEATHERLITE OFFICE SYSTEMS (P) LTD
83 & 86/1, Bangalore - Mysore Road,
Hejjala Circle, Ramanagaram Dist.
Pin Code - 562 109.
Tel : 28437778
Fax : 28437771
website : www.featherlitefurniture.com

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that ARPAN KARMAKAR T

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

COE BENGALURU AEROSPACE & DEFENCE

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022.

BOSCH

Bosch Limited
No. 42, II Phase, Sector 2,
KIADB Industrial Area,
Shanumangala, Bidadi Hobli,
Ramanagar Dist.-562 109.
www.boschindia.com

Tel. :
Fax :

Your ref/date

Our ref
BidP1/HRL

Date : 03.10.2022

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.

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that MOHIN KHAN

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022

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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 RAJA 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

GENERAL MANAGER

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 30 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.

APPROVED

SIEMENS

K-tech
CENTRE OF EXCELLENCE
IN AEROSPACE & DEFENCE

KSCST

DASSAULT SYSTEMES

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that HARI KRISHNA NAYAK

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

COE BENGALURU K-TECH AEROSPACE & DEFENCE

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022

GT&TC
BENGALURU

(An Indo Danish Project)
RAJAJINAGAR INDUSTRIAL ESTATE
BENGALURU - 560 010 INDIA

"Scientific & Industrial Research Organisation"
Recognised by Govt. of India

Govt. Tool Room & Training Centre

Certificate of Competency

Register No. : ST160118443

This is to certify that

Mr./Ms. RAHUL S

has undergone the

"CATIA – V5"

Course for a period of 01 Month

From : 01.09.2022 To : 30.09.2022

at Govt. Tool Room & Training Centre, BENGALURU

For having completed the course successfully

he/she is awarded with this certificate of competency.

Co-ordinator

Principal

General Manager - Training

Date : 13.10.2022

GTTC
ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ
Govt. Tool Room & Training Centre
(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 UNIGRAPHICS to Mr. SIDDARTH S for the period of 03.04.2023 to 21.04.2023 at Govt. Tool Room & Training Centre, Bangalore.

Principal
Principal
Govt. Tool Room & Training Centre
Rajajinagar Industrial Estate,
Bangalore-560 010

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

PROMAN INFRASTRUCTURE SERVICES PVT LTD. PROMAN

LIPPMANN
JAW CRUSHERS
Fine Door
SCREENS & FEEDERS
Crushing Solutions by Professionals
- Jaw Crushers, Cone Crushers & Vertical Shaft Impact Crushers
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ORTNER
SAND WASHING EQUIPMENT
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VERTICAL SHAFT IMPACT CRUSHERS

Compsoft Technologies
Providing a Complete Suite of IT Solutions

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-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

COMPSOFT TECHNOLOGIES AUTHORIZED SIGNATORY

Nithin K S
Project Manager
Compsoft Technologies Pvt. Ltd
No. [illegible] road,
1st Block Rajajinagar
Bangalore - 560010

www.compstechnlogies.com
services@compstechnologies.com

This certificate was generated using CERTIFFY.COM

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that DHARSHAN V

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022

SIEMENS
Ingenuity for Life

GTTG

DesignTech

Certificate of Completion

siemens.co.in

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 Tool Room & Training Centre	DesignTech Systems Limited

SkillDzire

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

08-10-22

DATE

SIGNATURE

GTTC

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Govt. Tool Room & Training Centre

(A Govt. of Karnataka Society) (An Indo - Danish Project)

Rajajinagar Industrial Estate, Bengaluru - 560 010, INDIA

Date: 09-05-2023

Internship Certificate

Certificate of Competency is awarded for successful Completion of Course in UNIGRAPHICS to Mr. F ABHISHEK for the period of 03.04.2023 to 28.04.2023 at Govt. Tool Room & Training Centre, Bangalore.

Principal

Principal
Govt. Tool Room & Training Centre
Rajajinagar Industrial Estate,
Bangalore- 560 010

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

GOVERNMENT OF KARNATAKA

KSCST

DASSAULT SYSTEMES

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that MOHAMMED MUSTAFA MANNAN

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

COE BENGALURU AEROSPACE & DEFENCE

Chairman, K-tech CoE A&D

BE

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022.

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that MOHAMMED IRFAN

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022

K-tech CENTRE OF EXCELLENCE IN AEROSPACE & DEFENCE

Certificate of Proficiency

It is certified that PRAJWAL GOWDA M L

has successfully completed ONE MONTH [01/09/2022 to 30/09/2022]

INTERNSHIP Course in Aircraft and Aerospace Engineering

Chairman, K-tech CoE A&D

Registrar, VTU

The course is held at Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru Date: 30/09/2022.

prakash SMK

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) ltd

Authorized Signatory

2, Dr. M.H. Marigowda Road, (Near Lalbagh), Bangalore - 560 027.
Grams : LUXCOACH, Phone : 22489900 / 22216229 / 22216320 Fax : 080-22237946
E-mail : prakashkannappa@gmail.com / salessmk@smkpl.in Website : www.smkprakash.com

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/Sh)
N.W.R., Jo

भारत सरकार, रक्षा मंत्रालय
रक्षा अनुसंधान तथा विकास संगठन
गैस टरबाइन 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.

S. Shylaja 9/11/2022
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

Bangalore - 560074

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ
GTTC
A Govt. of Karnataka Society
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

Dy. Manager
Govt. Tool Room & Training Centre
Opp. Canara Bank, B.M. Road Somanahalli,
Maddur 571429

GT&TC
BENGALURU

(An Indo Danish Project)
RAJAJINAGAR INDUSTRIAL ESTATE
BENGALURU - 560 010 INDIA

"Scientific & Industrial Research Organisation"
Recognised by Govt. of India

Govt. Tool Room & Training Centre

Certificate of Competency

Register No. : ST160118442

This is to certify that

Mr./Ms. SACHIDANANDA D S

has undergone the

" CATIA – V5 "

Course for a period of 01 Month

From : 01.09.2022 To : 30.09.2022

at Govt. Tool Room & Training Centre, BENGALURU

For having completed the course successfully

he/she is awarded with this certificate of competency.

Co-ordinator

Principal

General Manager - Training

Date : 13.10.2022

ಐಎಸ್‌ಒ 22000:2005 ಧೃಢೀಕೃತ ಸಂಸ್ಥೆ
ISO 22000:2005 Certified Dairy

ಮನ್‌ಮುಲ್
MANMUL

ಮಂಡ್ಯ ಜಿಲ್ಲಾ ಸಹಕಾರ ಹಾಲು ಉತ್ಪಾದಕರ ಸಂಘಗಳ ಒಕ್ಕೂಟ ನಿಯಮಿತ
THE MANDYA DIST. CO-OPERATIVE MILK PRODUCER'S SOCIETIES UNION LIMITED

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

ಹಾಲು 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

Featherlite®

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

Kavitha U.

Kavitha U
HR-Manager

Featherlite®

08.03.2023

CERTIFICATE

This is to certify that **Mr. Naveen Kumar S.K (U.S.N : 1RR18ME027)** 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

Kavitha U.

Kavitha U
HR-Manager

FEATHERLITE OFFICE SYSTEMS (P) LTD
83 & 88/1, Bangalore - Mysore Road,
Hegde Circle, Ramanagaram Dist.
Pin Code - 562 109.
Tel : 28437779
Fax : 28437771
website : www.featherlitefurniture.com

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:	Authorized Signatory:	Authorized Signatory:
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**

Mr. G S YOGESH KUMAR

Technical director