



Department of Computer Science and Engineering

REPORT ON INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTATIONAL ENGINEERING AND TECHNOLOGIES

(ICRTCET – 2024)

25th – 26th July 2024

NAME OF THE DEPARTMENT: Department of Computer Science and Engineering

1. Type of Event: INTERNATIONAL CONFERENCE ON RECENT TRENDS IN
COMPUTATIONAL ENGINEERING AND TECHNOLOGIES
(ICRTCET – 2024)
2. Resource Person: Prof. Vimal Karani, Professor,
Nutrigenetics & Nutrigenomics, University of Reading, UK
Dr. Vijanth S Asirvadam Associate Professor,
Dept. of Fundamental & Applied Science,
Universi Teknologi PETRONAS (UTP), Malaysia
3. Date of the programme: 25th – 26th July 2024
4. Organizing Chairs: Dr.J.Amutharaj, Vice Principal,
Prof & HOD/ISE, RRCE
Dr.S.Usha, Dean R&I,
Prof & HOD/CSE, RRCE
Dr.Rajesh. K S,
Prof & HOD/AI&ML, RRCE
Dr.T.Subburaj,
Asso.Prof & HOD/MCA, RRCE
5. Faculty Co-Ordinator: Dr.D.Kirubha
Associate Professor
Department of Computer Science and Engineering
RajaRajeswari College of Engineering, Bengaluru 560074

Dr.M.Karuppasamy,
Associate Professor
Department of Computer Science and Engineering
RajaRajeswari College of Engineering Bengaluru 560074

6. Participants: 150 Participants and Students



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7. Outcome of the programme:

On July 25-26, 2024, Rajarajeswari College of Engineering hosted the 5th International Conference on Recent Trends in Computer Engineering and Technology (ICRTCET) at the Dr. A.P.J. Abdul Kalam Conference Hall. Since its inception in 2016, ICRTCET has been a key platform for advancing research and discussion in Computational Engineering and Technologies.

ICRTCET 2024 aimed to unite researchers, academicians, scholars, and students to discuss breakthroughs in Computational Engineering and Technologies. The conference provided a platform to tackle industry challenges and highlighted the crucial role of education in societal development.

Day 1 Highlights:

The event started with soulful prayers by the RRCE band String Theory, followed by a warm welcome from Dr. J. Amutharaj, Vice Principal, conference overview by Dr. S. Usha, Dean R&I, Presidential Address by Dr. Karisiddappa, Advisor, RRGI, and Inaugural Address by Dr.R.Balakrishna, Principal, RRCE.

We were honored to have Prof. Vimal Karani, Professor of Nutrigenetics and Nutrigenomics at the University of Reading, and Dr. Vijanth S. Asirvadam, Associate Professor, Department of Fundamentals and Applied Sciences at Universiti Teknologi PETRONAS, as our esteemed guests. Dignitaries, including Advisor Dr. Karisidappa, Rector Dr. A. K. Mariappan, and Principal Dr. R. Balakrishna, honored the chief guests with traditional felicitation ceremonies.

Principal Dr. Balakrishna R. inaugurated the conference, celebrating RRCE's advancements and contributions to the field of technology. He emphasized the significance of this conference in fostering innovation and knowledge exchange. Dr. Balakrishna R. highlighted that among the 159 papers submitted, 106 were selected.

Prof. Karani delivered a keynote on "Using Nutrigenetic, Nutrigenomic, and Machine Learning Approaches to Investigate the Risk of Cardio-Metabolic Diseases in Ethnically Diverse



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Populations." He explored how these technologies can help assess and mitigate health risks across different ethnic groups.

Dr. Asirvadam provided insights into Data Feed and AI Bias.

Day 2 Highlights:

The keynotes on the second day were delivered in virtual mode.

Mrs. Ram Prabha Kannan, Senior Sys/Sw Project Manager at Aptiv Deutschland GmbH, Wuppertal, Germany, spoke on "Advanced Driver Assist System Solutions for Automated Driving," focusing on Radar Technologies.

Mr. Ashwin. C. S, Senior Software Engineer at Apple Inc., New York, USA, discussed "Green Tech and Sustainable Computing," highlighting sustainable technological innovations.

Mr. Rangarajan. K. R, Quality Assurance Engineer Lead at Tata Consultancy Services Ltd., Seattle, Washington, also presented on "Green Tech and Sustainable Computing," offering additional perspectives on sustainable practices in the tech industry.

Both days were enriched with technical sessions and engaging discussions, covering a range of topics including advancements in algorithms, data analytics, and emerging technologies. Panel discussions provided a platform for experts to share their perspectives on current trends and future directions in the field.

Dr. D. Kirubha, Associate Professor/CSE delivered the final vote of thanks, celebrating the efforts of all involved.

ICRTCET 2024 was a success, fostering insightful discussions and showcasing cutting-edge research. We look forward to more groundbreaking ideas in future conferences.



RajaRajeswari College of Engineering



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INVITATION

The Founder Chancellor, President, Members - Board of Management, Faculties & Students of



RAJARAJESWARI COLLEGE OF ENGINEERING

An Autonomous institute

Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore – 560 074.

All are Cordially Invited for the

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTATIONAL ENGINEERING AND TECHNOLOGIES (ICRTCET – 2024)

25th - 26th July 2024



Organized By

Dept. of CSE, ISE, AI & ML & MCA

RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bengaluru

Website: www.rrce.edu.in



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Prof. Vimal Karani

Dr. Vimal Karani is a Professor in Nutrigenetics & Nutrigenomics. He joined the University of Reading after his post-doctoral training at the MRC Epidemiology unit (Cambridge, UK) and University College London (London, UK). Professor Karani has an interdisciplinary academic background, with qualifications from Molecular Genetics, Bioinformatics, Statistical Genetics and Genetic Epidemiology. He has published extensively in areas related to nutrigenetics and non-communicable diseases and presently has more than 80 peer reviewed publications (including those in premier biomedical journals: Nature Genetics, Lancet, BMJ, PLoS Medicine and PLoS Genetics) and book chapters.



Dr. Vijanth S Asirvadam

Dr. Vijanth S. Asirvadam studied at University of Putra, Malaysia in Bachelor Science (Hon) majoring in Statistics and graduated in April 1997 before leaving to Queen's University Belfast to do his Masters where he received his Master's Science in Engineering Computation with a Distinction in 1998. He later joined the Intelligent Systems and Control Research Group at Queen's University Belfast where he completed his Doctorate (Ph.D.) researching into Online and Constructive Neural Networks methods in 2013. He served as a Senior Lecturer and later as Associate Professor at the department of Electrical and Electronics Engineering, Universiti Teknologi PETRONAS (UTP).



Mrs. Ram Prabha Kannan

Mrs. Ram Prabha is working as Sys/Sw Project Manager in Aptiv. She has 20+ years' experience in embedded software domain. She is currently serving as global software lead for BMW autonomous driving radar projects. She completed her Master's degree from Anna University Chennai, India. Over the years she has led unmanaged diverse product development Professionals in various automotive projects in Body control and active safety product lines. She has extensive experience in complete product development life cycle starting from Business case, Project kick off to until production.



Mr. Ashwin C S

Mr. Ashwin Conjeevaram Sundaravadanam, Senior Software Engineer with around 11 years of solid industry experience in Software Design, Development Full Stack using Java, Python, X-code, .NET & AWS. Highly proficient in Data Structures & Algorithms in addition to End-to-End Functional and Hybrid Automation testing experience using various cutting edge frameworks such as ROBOT, Karate in-line using Cucumber(BDD). He Completed Masters of Science (MS) in Information Systems @ Virginia International University, USA & B. Tech Information Technology @ Anna University, Chennai, India. He is a Distinguished IEEE Senior member, Research Scholar and a Tech Professional with research publications in several IEEE conferences & Springer journals.



Mr. Rangarajan K R

Mr. Rangarajan K. R is a Quality Assurance Engineer Lead in Tata Consultancy Services Ltd. He Completed B. Tech Information Technology from Anna University, Chennai, India. He is a Distinguished IEEE Senior member, Research Scholar and a Tech Professional with research publications in several IEEE conferences & Springer journals. He is expertise in Agile methodology (SCRUM), Work with remote teams to facilitate Smoke, Functional and Regression tests, Scripting using TOSCA with knowledge of module, library and test sheet, Tricentis certified tester for TOSCA and Robotic Process Automation (RPA) & ISTQB Certified Tester.



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INAUGURAL FUNCTION

Cordially invite you to grace the Inaugural Function of

ICRTCET-2024

Keynote Speaker

Prof. Vimal Karani

Professor in Nutrigenetics & Nutrigenomics,
University of Reading, UK.

Dr. Vijanth S Asirvadam

Associate Professor, Dept. of Fundamental & Applied Science
Universiti Teknologi PETRONAS (UTP), Malaysia.

CHIEF PATRONS

Dr. A.C. Shanmugam

B.A. LL.B. FIMSA, FRCPS(Glasgow, U.K)

Founder Chairman

RajaRajeswari Group of Institutions

Sri. A.C.S. Arun Kumar

B.Tech (Hons), LMISTE, MIET (UK), LMCSI.

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Sri. C.N. Seetharam., I.A.S (Retd.)

Chief Executive Officer

RajaRajeswari Group of Institutions

Dr. S JeyaBalan., Ph.D

Special Officer

RajaRajeswari Group of Institutions

Dr. Karisiddappa

Advisor

RajaRajeswari Group of Institutions

Dr. A. K. Mariappan

Rector, RRG I

General Chair

Dr. Balakrishna R

Principal, RRCE

Programme Chair

ORGANIZING CHAIRS

Dr. J. Amutharaj

Vice Principal
RRCE

Dr. S. Usha

Dean R & I
RRCE

Dr. Rajesh K S

Prof. & HOD
Dept. of AI & ML

Dr. Subburaj T

Prof. & HOD
Dept. of MCA



KEYNOTE & TUTORIAL SESSIONS

25th & 26th JULY 2024

Prof. Vimal Karani

Professor in Nutrigenetics & Nutrigenomics, University of Reading, UK.

Title of the Talk: "Using Nutrigenetic, Nutrigenomic and machine learning approaches to investigate the risk of Cardio Metabolic Diseases in ethnically diverse populations"

Venue: Dr. A.P.J. Abdul Kalam, Conference Hall, 2nd Floor, RRCE Campus

Dr. Vijanth S Asirvadam

Associate Professor, Department of Fundamental and Applied Science
Universiti Teknologi PETRONAS (UTP), Malaysia.

Title of the Talk: "Data Feed and AI Bias"

Venue: Dr. A.P.J. Abdul Kalam, Conference Hall, 2nd Floor, RRCE Campus

Mrs. Ram Prabha Kannan

Senior Sys/Sw Project Manager, Aptiv Deutschland GmbH, Wuppertal, Germany

Title of the Talk: "Advanced Driver Assist System Solutions for Automated Driving (Radar Technologies)"
(Virtual Mode)

Mr. Ashwin C S

Senior Software Engineer, Apple.Inc, New York, USA.

Title of the Talk: "Green Tech and Sustainable Computing"
(Virtual Mode)

Mr. Rangarajan K R

Quality Assurance Engineer Lead, Tata Consultancy Services Ltd, Seattle, Washington.

Title of the Talk: "Green Tech and Sustainable Computing"
(Virtual Mode)

VALEDICTORY FUNCTION

Valedictory Address by

Dr. Balakrishna R

Programme Chair, ICRTCET-2024



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INAUGURATION SCHEDULE

Date	Time	Program Name
Day – 1 25/07/2024	09.30 AM – 09.35 AM	Invocation Song
	09.35 AM – 09.45 AM	Musical Concert
	09.45 AM – 09.50 AM	Lighting the Lamp
	09.50 AM – 09.55 AM	Multimedia Presentation
	09.55 AM – 10.00 AM	Escorting Guests to Dias
	10.00 AM – 10.05 AM	Welcome Address by Dr.J.Amutharaj, Vice Principal, Prof & HOD/ISE, RRCE
	10.05 AM – 10.10 AM	Conference Note by Dr.S.Usha, HoD/CSE, Dean R & I, RRCE
	10.10 AM – 10.15 AM	Felicitation for Dignitaries
	10.15 AM – 10.20 AM	Presidential Address by Dr. Karisiddappa, Advisor, RRG I
	10.20 AM – 10.25 AM	Inaugural Address by Dr.R.Balakrishna, Principal, RRCE
		Releasing the conference proceedings - CD
	10.25 AM – 10.55 AM	Keynote Address by Prof. Vimal Karani, Professor in Nutrigenec & Nutrigenomics, University of Reading, UK
	10.55 AM – 11.25 AM	Keynote Address by Dr. Vijanth S Asirvadam Associate Professor, Dept. of Fundamental & Applied Science Universi Teknologi PETRONAS (UTP), Malaysia
	11.25 AM – 11.30 AM	Vote of Thanks by Dr.D.Kirubha, Associate Professor/CSE, RRCE
		Photo Session
11.30 AM – 11.45 AM	Tea Break	
11.45 AM – 12.45 PM (Virtual Mode)	1. Mr. Ashwin C S Senior Software Engineer, Apple, New York, USA. TALK ON TOPIC: Green tech and sustainable computing 2. Mr. Rangarajan K.R Quality Assurance Engineer Lead, Tata Consultancy Services Ltd, Chennai, India. TALK ON TOPIC: Green tech and sustainable computing 3. Mrs. Ram Prabha Kannan Program Owner, Senior Sys/Sw Project Manager, Aptiv Deutschland Gmbh, Wuppertal, Germany. TALK ON TOPIC: Advanced Driver Assist System Solutions for Automated Driving (Radar Technologies)	



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S.No	Date & Time	Event	Venue
25 JULY 2024			
1	08.30 AM – 09.30 AM	Registration	RRCE, Second Floor, Lobby
2	09.30 AM – 11.30 AM	Inauguration Prof. Vimal Karani, Professor in Nutrigenetics & Nutrigenomics, University of Reading, UK Dr. Vijanth S Asirvadam Associate Professor, Dept. of Fundamental & Applied Science Universi Teknologi PETRONAS (UTP), Malaysia	Dr. A. P. J. Abdul Kalam Hall
11.30 AM – 11.45 AM		Tea Break	
3	11.45 AM – 12.45 PM (Virtual Mode)	Mr. Ashwin C S Senior Software Engineer, Apple, New York, USA. TALK ON TOPIC: Green tech and sustainable computing Mr. Rangarajan K.R Quality Assurance Engineer Lead, Tata Consultancy Services Ltd, Chennai, India. TALK ON TOPIC: Green tech and sustainable computing Mrs. Ram Prabha Kannan Program Owner, Senior Sys/Sw Project Manager, Aptiv Deutschland Gmbh, Wuppertal, Germany. TALK ON TOPIC: Advanced Driver Assist System Solutions for Automated Driving (Radar Technologies)	Dr. A. P. J. Abdul Kalam Hall



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S.No	Date & Time	Event	Venue
25 JULY 2024			
01.00 PM – 02.00 PM		Lunch Break	
5	02.00 PM – 04.00 PM	Parallel Sessions (Paper Presentation)	<ul style="list-style-type: none">• Ramanujam Hall• Dennis Richie Seminar Hall• Lecture Hall 502• Lecture Hall 503• Lecture Hall 504• Lecture Hall 505

S.No	Date & Time	Event	Venue
26 JULY 2024			
1	09.30 AM – 12.30 PM	Parallel Sessions (Paper Presentation)	<ul style="list-style-type: none">• Ramanujam Hall• Dennis Richie Seminar Hall• Lecture Hall 504• Lecture Hall 505
01.00 PM – 02.00 PM		Lunch Break	
2	02.00 PM – 03.00 PM	Valedictory Address & Certificate Distribution	Dr. A. P. J. Abdul Kalam Hall



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Programme Session 1

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Ramanujan Hall, 5th Floor

Session Chair: Dr.Vidya A, HoD/CSE, VKIT

Dr .D.Kirubha, Asso.Prof/CSE, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24511	Pregnancy Monitoring System Using Gsm Module	P Bhuvaneswari, Ashwin Jerry, Lakshmi Priya C, Pawan Masuti, Pratheeksha N
	ICRTCET24515	Guarding the Grid: Exploring Advanced Strategies for Detecting Intrusions in Power Distribution Devices	Sony Venugopal, Hannah Jessie Rani .R and Roopa. K.R
	ICRTCET24517	Overview of Machine Learning Techniques for Thyroid Cancer Detection	Santhoshini S and Goutham M A
	ICRTCET24828	Stock Price Prediction Sentiment Analysis	Deepa Konnur ,RAJ RANJAN,Patra Chinmay Mochiram,RAJ ARYAN JASROTIA
	ICRTCET24811	Affordable Cloud Server Supply for Storage And Access	A Sunil ,Lakshmi M Gowda,MH.Sathwik.Gowda,Prajwal N B
	ICRTCET24522	ECG Based Analysis of Stress Induced Cardiac Arrhythmias Using Machine Learning	Suhasini.H.S,Dr.Guruprasad.H.S, Rakshitha P and Dr. R Ashok Kumar
	ICRTCET24613	Real time Polling and Voting System using Django	Dr.T.Subburaj and Anusha L M
	ICRTCET24614	Air Warden: Innovative Iot Aerosol Monitoring Surveillance And Alert System	Deeraj. C, T.Subburaj and Umamaheshwari K. M
	ICRTCET24812	Suspicious Activity Recognition Implementing Deep Learning Approach	D Kiruba,Deekshitha S,Spoorthi B S,Netra
	ICRTCET24813	Smart Obstacle Avoidance With Iot- Enabled Robot	S. Usha Darshini.HN Rifa Khanum Keerthana.G
ICRTCET24532	Market Analysis of Crop Price Prediction	Samatha R Swamy, Ankith K A, Aditi Prasad Rao, Anusha P Dayananda	



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Programme Session 2

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Dennis Richie Seminar Hall, 5th Floor

Session Chair: Dr.Rekha P M, HoD/ISE, JSSATE

Dr.T.Kamalraj, Asso.Prof/CSE, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24526	Sign Language Based Web Search Application Using OpenCV	Navyashree Ganpisetty, Divyabhavani Ganpisetty, Dr. Anitha J
	ICRTCET24814	Predicting Pcos : A2 Machine Learning Approach	D.Kirubha ,Bhoomika HK,Binetta P Biju,Divya J
	ICRTCET24525	Authentication for Agriculture IoT Devices in Gateway Network	Spoorthi S, Dr. M K Nalini and Dr R Ashok Kumar
	ICRTCET24526	Sign Language Based Web Search Application Using OpenCV	Navyashree Ganpisetty, Divyabhavani Ganpisetty, Dr. Anitha J
	ICRTCET24815	Neonatal cardiac Monitoring for Early Intervention of Newborn Babies	V M Saravana Perumal ,Bhavya DS,Brunda Y,Harshitha v
	ICRTCET24513	MEDCYBOT: Assistive Healthcare Robot	Dr. P Bhuvaneswari, Mrs. Kavya N, Linda Sunil, Himabindu K
	ICRTCET24816	Image Stenography: Advances through Dual Encryption Mechanism	S Usha ,Qurrath ul aien,Manasa G,Rakesh M B
	ICRTCET24817	Virtual Traffic Police	O Josna,Harshitha V,Karuna M,Dhanushree S
	ICRTCET24615	Motion Vision IQ Using MI	Dr.T.Subburaj and Akshaya. H.R
	ICRTCET24616	Nature's Sanctuary Security And Protection Plan	Punith.M, Shreedhar.K , Deeraj.C
ICRTCET24512	Diabistep Care- A smart insole	Ayaan Abbas, Dinesh Chavan, L Sai Prashanth, Muhammed Waiz, Mr Abhishek. K	



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Programme Session 3

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Lecture Hall 502, 5th Floor

Session Chair: Dr.T.Senthilkumaran, HoD/CSE, Dean R&I, ACSCE Dr.Rajesh K S, HoD/AIML, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24530	Comprehensive Review on Cyber security tools to handle vulnerabilities	Bhoomika K S, Harshini J P, Raksha K Dr Manjula K
	ICRTCET24819	Sonic Insights AI-Powered Bowel Sounds Analysis for Stress Identification	M. Karuppasamy, A R Sarankumar, K Lakshmi and Kusuma M G
	ICRTCET24531	A Review On Virtual Sensor Construction Based On Ai Techniques	Rekha R, Dr. S. Usha, Dr. K.S.Krishna Kumar
	ICRTCET24820	Real-Time Attendance System Using Alexa	Usha S ,Rohithey BV ,Vikram K ,Shubam Sambyal
	ICRTCET24617	IoT Based Intelligent Trolley For Shopping Malls	Manoj K.N , Muruganandham S.K , Deeraj. C
	ICRTCET24821	Detection Of Lung Cancer: A Machine Learning Approach	Manasa G V Kumar ,Aishwarya K,Chandrika C,Jyothika S
	ICRTCET24533	Optimizing H.264 Intra Prediction: Leveraging Cross Entropy and Error Entropy-Based RDO Techniques	Vanila sildas, Premanand Venkatesh Chandramani,Srinivasan Raj,Rathinam A
	ICRTCET24514	Portable Advanced Sterilization System	Mrs.Nagashree Pavan, Anirudha S Masti, Samanth Pruthvi A, Vasudev S
	ICRTCET24618	Real time Polling and Voting System using Django	Dr.T.Subburaj and Anusha L M
	ICRTCET24818	Access control system using RFID with remote monitoring and remote access	Abubhhakkar Sithiq , G Sasi Preetham , Thrisha Patil



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Programme Session 4

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Lecture Hall 503, 5th Floor

Session Chair: Dr.D.Sivakumar, Prof/CSE, ACSCE Dr.Muruganandam S K, Asso.Prof/MCA, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24824	Diabetic Retinopathy Insight: An A.I-Powered Teleophthalmology Solution	Rashmi B R ,Vishwas GM,Suprith R,Dheeraj R
	ICRTCET24535	Virtual Reality Headset As A Medical Device In Healthcare And Medical Instrumentation	P Bhuvaneswari, Mohankumar. S, Neha.R
	ICRTCET24825	Monitoring Healthcare Using AI And IoT	Selvi M,Kavana Ram S,Meghana M Poojari,Vishrutha K S
	ICRTCET24536	Smart Bluetooth Inhaler For Medication Delivery	Rani Varghese, Shravana C K, Nivin George
	ICRTCET24619	Virtual Educonnect using Angular JS	Jaishankar Dr.T.Subburaj and Tejaswini J
	ICRTCET24620	ShopyCo- An modern Android application for seamless shopping experience	Jaishankar, Dr.T.Subburaj,Thilagavalli S
	ICRTCET24528	Student Smart Monitoring System using Face Recognition	Punith U Shettigar, Sachin S Bharadwaj, Somashekar K, Waquar Ziya, Anil Kumar B
	ICRTCET24822	Revolutionizing waste management: Deep learning for sewage classification	Rajkumar R ,Manasa T, Manjari T,Yamini G
	ICRTCET24527	Enhancing Agritourism through Technological Integration: A Comprehensive Review, Implementation of Digital Platforms and Future Directions	Bhuvan S Ellur , Chiranth R Raichur , Mr. Sudheendra B S, Dr. Anitha J
	ICRTCET24823	Iot Based Sensor Module For Respiratory System.	Kamalraj T, Shaurya KV,Swamy R,Mulinti Abhilash Reddy



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Programme Session 5

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Lecture Hall 504, 5th Floor

Session Chair: Dr.P.Bhuvaneshwari, HoD/BME, ACSCE Dr.Annu Sharma, Asso.Prof/MCA, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24537	Smart Crutches Using IoT	Rani Varghese, Ananya R, Naleen V, Sagarika T H, Sanjana N
	ICRTCET24825	Monitoring Healthcare Using AI And IoT	Selvi M,Kavana Ram S,Meghana M Poojari,Vishrutha K S
	ICRTCET24534	Classification of Skin Cancer Lesions as Malignant and Benign Using ResNet50	Shalini shravan, Sharon Solomon, Nikhila, Anusha, Thanisha
	ICRTCET24826	Alzheimer Detection Using Deep Learning	T Auntin Jose,Shravya M S,Tejaswini S,Sreerama Geethanjali
	ICRTCET24622	Bug Shield Notify Lab Using Django	Sasikumar.B, Dr. T. Subburaj and Nayana G N
	ICRTCET24623	IOT- Drone ship	Mr Amruth S Dr. T Subburaj and Mr Deeraj.C,
	ICRTCET24826	Alzheimer Detection Using Deep Learning	T Auntin Jose,Shravya M S,Tejaswini S,Sreerama Geethanjali
	ICRTCET24540	Enhanced vehicle monitoring through automated real-time detection of vehicle number plates.	Y Naga Vamsi,Megha Nilol GR,Shalini J
	ICRTCET24827	Skin Cancer Detection: Deep Learning Approach	Mr. Sunil A ,Kavya B,Pravalika N,O A Jahnvi
	ICRTCET24829	IoT-based Railway Track Faults Detection System	Dr. Sivakumar D,Zeba Anjum,VARSHINI YC,Meharuk Jabeen



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Programme Session 6

Programme Schedule Day-1 25-07-2024 (2.00 PM – 4.00 PM) Venue: Lecture Hall 505, 5th Floor

Session Chair: Dr.Jagannathan S, Dean, RRCE Dr.M.Selvi, HoD/CSD, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
25.07.2024 2.00 PM to 4.00 PM	ICRTCET24523	Pot-Hole Detection And Levelling Robot	Naveen Kumar V, Pawan D and Dr.Prabhavathi C N
	ICRTCET24830	Intrusion Detection Model for IoT-Enabled Smart Home using ML	Prof. Auntin Jose,Varsha TN,Shraddha,Siddaveer Swamy
	ICRTCET24564	On Function Quadrature Using Quartic Spline Interpolation	Vijayakumar Kallur V, Hariprasad A S
	ICRTCET24831	PCB Defect Detection System	Prof. Sagar DC.MADHAN R,MOHAN D,NANDAN P
	ICRTCET24625	Sellify - A Python Full Stack Desktop Application	Muruganadham S K and N T Vinay Kumar
	ICRTCET24832	A Novel Social Behavioral Biometric for a person Identification	Shashidhar V,ADI REDDY ,Sonashree C,Smita Rani
	ICRTCET24628	Finite Element Quadrilateral Meshing of Quintic to Decic Order	A.S. Hari Prasad and Kallur V Vijayakumar
	ICRTCET24833	Advance Support for Autonomous Vehicles using YOLOv8	R Balakrishna,Shilpa S,Ramya S P,Lekhana NG
	ICRTCET24624	Human Following Robot	Shankar M Badiger and Deeraj C
	ICRTCET24834	Finding Suspect and Missing Person Through CCTV Footages	D Kirubha,Shreenidhi P,Sangamesh ,Shivkumar B S



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Programme Session 1

Programme Schedule Day-1 26-07-2024 (09.30 AM – 12.30 PM) Venue: Ramanujam Hall, 5th Floor

Session Chair: Dr.Anitha J, Prof/CSE, RVITMT Dr.Mageusha U, Asso.Prof/MCA, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
26.07.2024 09.30 AM to 12.30 PM	ICRTCET24626	Watchful Ai-Enhanced People Monitoring And Tracking Framework Using ML	Pushpa Latha, T.Subburaj and Uday K J
	ICRTCET24628	AGRITECH: Cyborg Agriculture Farming Using IOT	Deeraj.C, .T.Subburaj and S Varshini
	ICRTCET24637	Warehouse Inventory Management System Django	Deepu M and Dr Annu Sharma
	ICRTCET24636	Forecasting Cyber Security Incursion	GowthamGowda N, Dr.Annu Sharma
	ICRTCET24848	Knee Osteoarthitics Detection using Deep Learning	M.Karuppasamy,Rahul Prabhakar Dubashi ,Abhishek S ,Pooja B R
	ICRTCET24849	Ransomware Detection and Mitigation	S Usha,Sonal R Billava,Sangamesh S Karakalli,Samith Kamarthi
	ICRTCET24850	Rubik Encryption based Biometric Watermarking	S Usha,Sonal R Billava, Sangamesh S Karakalli, Samith Kamarthi
	ICRTCET24851	Deep Reinforcement learning for De-NOVO Drug Design	Kamalraj T,Prajwala Uday Nadakarni ,Gagan Kumar E
	ICRTCET24911	Smart Home Automation Using Arduino and Personal Assistant	Dr. Rajesh K S , Soniya R , Durgesh Babu P , Gagan KM , Ajeesh Reegan A
	ICRTCET24912	Identification of Medicinal Plants Using Deep Learning	Dr. Rajesh KS, Rashmi N K, Vamshi S, S Arthi, Priyanka S, Ritika M
ICRTCET24858	Video Summarization using Object Detection	Karthik N,Srikanth M,Sathish,Tejas R	



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Programme Session 2

Programme Schedule Day-1 26-07-2024 (09.30 AM – 12.30 PM) Venue: Dennis Richie Seminar Hall, 5th Floor

Session Chair: Dr.Ananthi M, Prof/CSBS, SSEC, Chennai Dr.C.S.Pillai, Prof/DS, ACSCE

Date & Time	Paper ID	Title of the Paper	Authors
26.07.2024 09.30 AM to 12.30 PM	ICRTCET24629	AgriSmart Agriculture ML-Driven Crop Management Suite using Flask	Shreedhar and Prasad.C.M
	ICRTCET24630	AllInOne Plus An Ultimate Integration	Pavan Kumar E, Shreedhar. K and Dr. T. Subburaj
	ICRTCET24638	Biometric authentication for ATM withdrawals	Dr.Annu Sharma, Chethan V K
	ICRTCET24635	SENSATION AI	Sasikumar B and Dr. T . Subburaj and Nagireddy A
	ICRTCET24834	Finding Suspect and Missing Person Through CCTV Footages	D Kirubha,Shreenidhi P,Sangamesh ,Shivkumar B S
	ICRTCET24835	Advanced Hybrid Feature Extraction Techniques for Signatures Authentication	Rajkumar,R Shravan ,V Naga Bhuchchayya Chowdry
	ICRTCET24836	Invisible Cloak using Python OpenCV Library	Sriraksha PJ,Pokala Praveen Sai ,Chandan Gowda M G
	ICRTCET24837	Implementation of Early Cardiac Arrhythmia Detection and Diagnosis using IOT	Deepa Konnur, BR Pavithra ,Dimple Priya G,Chitra Shree V
	ICRTCET24814	MACHINE LEARNING MODEL FOR PREDICTING CHRONIC DISEASES	Dr. RAJESH K S.,MAMATHA K R, Abishyanth S, Shrunga G V, Srujana V H, VARSHA M K
	ICRTCET24711	Fetal Brain Abnormalities Using Deep Learning	Mrs Yamunashree S, M Vasitha,Monica S V, Prerana M R
	ICRTCET24852	Click Fraud Detection and Visualization	Kamalraj T,Anish V,Harshit Aryan,Amit Kumar Yadav,S Benny solomon
ICRTCET24853	Beyond Horizon: Unleashing AI's Visual Odyssey for the Visually Impaired	D Kirubha,Hemanth Gowda A,Gururaj R,Jayavanth M	



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Programme Session 3

Programme Schedule Day-1 26-07-2024 (09.30 AM – 12.30 PM) Venue: Lecture Hall 504, 5th Floor

Session Chair: Dr.Subburaj, HoD/MCA, RRCE Dr.T.Kamalraj, Asso.Prof/CSE, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
26.07.2024 09.30 AM to 12.30 PM	ICRTCET24631	Semantic Vector Search: Intelligent Document Retrieval System	Darshan,Dr. T.Subburaj,Suchith Kumar K.B
	ICRTCET24632	Steganography	Darshan,Dr. T.Subburaj,Shivkumar
	ICRTCET24639	Three Level Authentication	Dr. Mage Usha U, Kavya Singh
	ICRTCET24838	Blockchain-Based Management for Organ Donation and Transplantation	Manasa GV Kumar,Rakshitha N,Jagannatha R,Pupala Nischay
	ICRTCET24839	Automated Vision-based Surveillance System to Detect Drowning Incidents in Swimming Pools	Hemavathi J,Thanu Sri B,V R Vishruthi,Vijayalakshmi A
	ICRTCET24840	Deep Fake Image and Video Detection	Rashmi BR,Sai Nidhi HV ,Ruchitha S,Vidhya S A
	ICRTCET24841	Plant Leaf Disease Detection using Transfer Learning Approach	Prabhakaran J,Bindushree N,Deekshith G,Anjali.R
	ICRTCET24842	Advanced Intrusion Detection System for D2D Communications Networks using Deep Hierarchical Machine Learning	V.M. Saravana Perumal,Jeevan M,Harsha Mallesh M,Goutham P
	ICRTCET24712	Deep Fake Face Detection	Mrs. Lipika Rajanandini Sahu , Mrs. T Rathidevi , Kirana S , Manasa J, Meghana C V ,Dr.J.Amutharaj
	ICRTCET24713	Cyberbully Detection on Twitter	Mrs. T Rathidevi , Mrs. Lipika Rajanandini Sahu, Dr. J. Amutharaj ,Gouthami V N, Divyashree M L , Nanditha R
	ICRTCET24856	Improving Sepsis Prediction Performance Using Conditional recurrent Adversarial Networks	M.Karuppasamy,Yashaswini U B ,V H Parinith ,Poonam Gowda C S
ICRTCET24857	Brain Tumour Detection and Classification using CNN	Yashaswini PR,Yashaswini BL,Tejaswini D,Yashaswini S	



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Programme Session 4

Programme Schedule Day-1 26-07-2024 (09.30 AM – 12.30 PM) Venue: Lecture Hall 505, 5th Floor

Session Chair: Dr.Ashok Kumar P S, Prof/CSE, ACSCE, Dr.Sreenivasa Murthy V, Asso.Prof/ISE, RRCE

Date & Time	Paper ID	Title of the Paper	Authors
26.07.2024 09.30 AM to 12.30 PM	ICRTCET24633	Overall Hospital Optimizer using Django	Pushpalatha.G and Vidyanand
	ICRTCET24634	PLANT LEAF PLAGUE DETECTION	Shankar Prabhath U, Darshan and T. Subbaraj
	ICRTCET24640	DETECTION OF FRAUD INFORMATION USING ML	Jaishankar, Dr.T.Subburaj,Tanuprakash
	ICRTCET24843	Raspberry PI-based Surveillance Drone	Kamalraj T,Jeevan Gowda N,Dhir Bahadur Dhama,Aaruni Kumar Rai
	ICRTCET24844	Pioneering Multikey Cryptography for Secure Video Exchange	Selvi M,Samarth ,Sahil y guptha,Rohith p.g
	ICRTCET24845	Intelligent sitting posture Classification for wheelchair users	Sriraksha PJ,Saniya Mirza,Basit Ahmad Bhat,Manasa G S
	ICRTCET24846	Medicinal Plant Species Detection using Deep learning	Hemavathi J,Mahesh Kumar s m ,Mujammil Naykodi,Pankaj Sharma
	ICRTCET24847	Decoding Intracranial Pressure Waves: A Deep Learning Approach	Vignesh M,Bhoomika R,Deepika K,Chethana C P
	ICRTCET24714	DETECTION AND CLASSIFICATION OF CARDIACARRHYTHMIA	Prof. DINESHKUMAR M, AMOGH M, CHIRAG G J, KUSHAL K
	ICRTCET24913	MACHINE LEARNING MODEL FOR PREDICTING CHRONIC DISEASES	Dr. RAJESH K S.,MAMATHA K R, Abishyanth S, Shrunga G V, Srujana V H, VARSHA M K
	ICRTCET24854	Secure PIN - Entry method using One-time PIN (OTP)	S Vijayanand,Devika R ,Chaitra S
ICRTCET24855	License Plate Detection Using Convolutional neural Network and Image Processing	S Jeyabalan,Keerthan p karanth,Nithin u,Mehraj	



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