



KINGS
COLLEGE OF ENGINEERING
AUTONOMOUS

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Affiliated to Anna University, Chennai
Recognized under 2(f) & 12B, UGC
NAAC Accredited Institution

International Conference on Recent Trends in Engineering & Science (ICRTES-2024)

Organized by
Centre for Promotion of Research (CPR)

Agenda

09.00 – 10.00 a.m.	Registration
10.10 a.m.	Inaugural Function @ Chera Hall
10.05 a.m.	Invocation
10.20 a.m.	Welcome Address Dr.J.Arputha Vijaya Selvi , Conference Chair & Principal
10.30 a.m.	Lighting the Lamp
10.45 a.m.	Presidential Address Dr.R.Rajendran , Secretary & Patron, Kings College of Engineering
10.57 a.m.	Chief Guest Introduction by Dr.S.Sabanayagam
11.00 a.m.	Inaugural Address Dr. B. Subramanian , Senior Principal Scientist, Central Electrochemical Research Institute, Karaikudi.
11.17 a.m.	Resource person Introduction by Dr.S.Udhayakumar
11.20 a.m.	Special Address Dr. M. Revanasiddappa , Professor, P E S University, Bengaluru
11.30 a.m.	Felicitation address Dr.S.Sivakumar , Publication Chair & VP
11.35 a.m.	Release of Conference Proceedings
	Tea Break
11.45 a.m.	Invited Talk- I – Dr. Sivakumar Subramanian , Associate Professor, Electronics Engineering, Universiti Teknikal Malaysia Melaka. @ Smart Classes
	Invited Talk- II - Dr. M. Revanasiddappa , Professor, P E S University, Bengaluru @ Chera Hall
01.00 p.m.	Lunch Break
01.45 p.m.	Technical Session – Parallel Session @ Presentation Halls



International Conference on Recent Trends in Engineering & Science (ICRTES-2024)

Schedule-I

Session Chair : Mr.R.Sundaramoorthi

Date:02.05.2024

G-meet link: <https://meet.google.com/dwz-qfyu-wim>

S.No	Time slot	Paper ID	Participate Name	Title of the paper	College Name
1.	2.00 p.m - 2.15 p.m	EE2404	L.Selvakumar, Dr.P.Ajay-D-Vimal Raj, Dr. N.P. Subramaniam	Ameliorations to Solar Photovoltaic Power Conversion System and Applications in Microgrid Environment	Puducherry Technological University
2.	2.20 p.m - 2.35 p.m	EE2421	P.Ananiya, DR.R.Pazhanimurugan, Dr.K.Kalpana, R.Harshavarthini	PV Based Cascaded Seven Level Modular Multilevel Converter With Enhanced Harmonic Performance	Arasu Engineering College
3.	2.40 p.m - 2.55 p.m	EE2422	A.Devadharshini Dr.K.Kalpana Dr.R.Pazhanimurugan	PIDA Controller With Genetic Algorithm For Grid Connected Hybrid System Combined With Battery Energy Storage System	Arasu Engineering College
4.	3.00 p.m - 3.15 p.m	EE2438	NIVEDHA M, BASKARAN K	Implementation Of Quadratic Gain Bidirectional DC-DC Converter To Enhance Electric Vehicle Battery Systems With Super-Capacitor Assistance	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi
5.	3.20 p.m - 3.35 p.m	EE2439	SEETHALAKSHMI R, RAMADAS K	Speed Control of Permanent Magnet Brushless DC Motor Using Pi Controller For Electric Vehicle	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi
6.	3.40 p.m - 3.55 p.m	EE2418	Mercy. D, Fiedel Castro. R, Bala Gangatharan. G, Jerin Santhosh. S, Sachin. P	Staircase Power Generation: Empowering Rural Communities Through Innovative Rack and Pinion Technology	St. Joseph's College of Engineering and Technology

Schedule-II

Session Chair : Dr.G.Suganya

Date:02.05.2024

G-meet link: <https://meet.google.com/kkn-jfkh-cwa>

S.No	Time slot	Paper ID	Participate Name	Title of the paper	College Name
1.	2.00 p.m – 2.15 p.m	EE2403	S.sundaravenkatesh, Balaji.m, Ashok.B, Akash.k	AI-Driven Precision Agriculture	Anjalai Ammal Mahalingam Engineering College
2.	2.20 p.m – 2.35 p.m	EE2406	Gowtham .M, Athul N.P, E. jayaprasanth, R.Venkedesh	EV charging station using renewable energy and demand control	Sri Venkateshwara college of engineering and technology
3.	2.40 p.m – 2.55 p.m	EE2408	HASAN BASARI A, CHARUAHAMED S, KISHORE KUMAR K, RAGUL S, Dr. K. RAJASRI	Autonomous Medical Assistive Robot with Smart Fingerprint-Lock Storage System	M.I.E.T. ENGINEERING COLLEGE
4.	3.00 p.m – 3.15 p.m	EE2411	Jayasri.K , Karthiga.P	Night Hours Cost Effective DC Air Conditioner Powered by Hybrid Home UPS Fed by Energy Harvested from Solar and Air Conditioner Exhaust Wind	Anjalai Ammal Mahalingam Engineering College
5.	3.20 p.m – 3.35 p.m	EE2416	Mehala. R, Amalraj. M, Nishanth Messiah.A	Foreign Object Debris Detection On Runways Using AI	St. Joseph's College of Engineering and Technology
6.	3.40 p.m – 3.55 p.m	EE2426	V. Muralidharan S.Yazhini J.Jerin Titus S.Karuppaiah	Design of A Low-Cost Printed Circuit Board Development System	Sri Ranganathar Institute of Engineering and Technology

Schedule-III

Session Chair : Dr. S.Vasantharaj

Date:02.05.2024

G-meet link: <https://meet.google.com/bjz-bnme-ttb>

S.No	Time slot	Paper ID	Participate Name	Title of the paper	College Name
1.	2.00 p.m – 2.15 p.m	EE2405	Balachandar K, Praveen Kumar R, Rishikesh VV , Abu Hashim S , P.Meghanathan	Photo Voltaic Electric Vehicle Charging Using Landsman Converter	Sri Venkateshwara college of engineering and technology
2.	2.20 p.m – 2.35 p.m	EE2410	P SIVA SANKARI ,S NIRANJAN , S RAMANESH , C UMASANKAR	Smart E-Waste System with Automatic Shredding	Anjalai Ammal Mahalingam Engineering College
3.	2.40 p.m – 2.55 p.m	EE2413	S. Ajay, F. Joshna, J. Suryakumar, N. Priya	Integrated System for Intelligent Electric Vehicle Management: Battery Monitoring, Speed Optimization, and Predictive Analytics	St. Joseph's College of Engineering and Technology
4.	3.00 p.m – 3.15 p.m	EE2417	Mercy. D, Sivabalan. T, Sowanthariya. S, Maheswar. KA	Farmbot: Design and Implementation of an Autonomous Agriculture Robot for Precision Farming	St. Joseph's College of Engineering and Technology
5.	3.20 p.m – 3.35 p.m	EE2420	N. Sivasankar, J. Sakthipriyan, V.T. Jailakshmanaram, A. Vignesh	Smart Flood Detection and Alerting System with Solar Energy	Anjalai Ammal Mahalingam Engineering College
6.	3.40 p.m – 3.55 p.m	EE2425	G Govindhasamy, Dr. V. Padmathilagam, Dr. B Baskaran	Optimal Placement of FACTS Devices in Power System for Power Quality Improvement	FEAT, Annamalai University, Chidambaram
7.	4.00 p.m – 4.15 p.m	EE2412	RAJAPERUMAL M, SELVAPANDI P, THASHIN K, VINITHA J, MUTHURAJ K	Design and Implementation of an Emergency Solar Charging System for Electric Scooters	Sri Ranganathar Institute of Engineering and Technology

Schedule-IV

Session Chair : Dr. S.Naveen Prakash

Date:02.05.2024

G-meet link: <https://meet.google.com/acm-vsao-qwg>

S.No	Time slot	Paper ID	Participate Name	Title of the paper	College Name
1.	2.00 p.m – 2.15 p.m	EE2407	D .SIVASAKTHIPRIYAN, R.THAMIZHSELVAN, M.SASIKUMAR , V.SURIYA, L.SELVAKUMAR	Using PID Controller for Photovoltaic Applications for improving the efficiency and gain of the DC-DC Boost Converter.	Sri Venkateshwara college of engineering and technology
2.	2.20 p.m – 2.35 p.m	EE2409	G JAYABHARATHI ,B GOKUL , S VASAN ,V SIVA VEEERA SELVAN	Modernizing Urban Waste Management system through SoC Integration	Anjalai Ammal Mahalingam Engineering College
3.	2.40 p.m – 2.55 p.m	EE2415	Durga Devi.S, Praveen Kumar. G, Sobiya. B, Veeramani. R, Vivek Rethinakaran.B	Dam Water Level Monitoring System and Real-Time Solutions for Enhanced Resilience and Safety	St. Joseph's College of Engineering and Technology
4.	3.00 p.m – 3.15 p.m	EE2423	RAJESHKUMAR K, ARUNKUMAR S, GOPI P, PRAJITHAKUMARI P, SELVA BHARATHI R	Raspberry Pi Based Face Recognition and Fingerprint Based Attendance System	SRIET Coimbatore
5.	3.20 p.m – 3.35 p.m	EE2424	Mrs.M.Backia Lakshmi, S.Asha Margreat, L.Reshma, R.Shobana, S.Sowmiya	A System of IoT Devices to Prevent Under-Loading Over-Loading of Cargo Vehicles	St. Joseph's College of Engineering and Technology
6.	3.40 p.m – 3.55 p.m	EE2427	P.Muthamil Selvan, G. Abisheik Jacob, J. ArockiyaDinesh, A. Augastin	Deep Fake Audio Detection Using Deep Learning	St. Joseph's College of Engineering and Technology
7.	4.00 p.m – 4.15 p.m	EE2428	P. Sathish , S. Sakthi Kumar, P. Sanjai Kumar , B. Suriya Kumar , K. Murugeshan	Integrated Document Insights AI Chat Assist	St. Joseph's College of Engineering and Technology

Schedule-V

Venue : EEE – Smart Class Room

S.No	Date & Time	Paper ID	Participate Name	Title of the paper	College Name
1.	02.05.24 9.30am	EE2419	R.Hinduja , S.Arokia Magdaline , L.Abinesh, G.Thomas, K.Gowtham	Smart Headgear for Enhanced Safety Using Arduino Nano	Parisutham institute of technology and science
2.	03.05.24 9.30am	EE2414	Dr.A.Franklin Alex Joseph, A.Akash, F.Mesia Godwin, K.Hari Kumar, R.Varsha	Self Generated E- Train Modeling for Future Technology	St. Joseph's College of Engineering and Technology