Dr. Mahalingam College of Engineering and Technology, Pollachi-642003

Office of Dean Research and Innovation

RIG Sessions Details

(Period: From Nov 2023 – May 2024)

S.No.	RIG Name	Resource Person	Title	Date
1.	Artificial intelligence and Machine Learning	Ms. C. DEVIPRIYA Assistant Professor, Computer Science Engineering	Privacy Preserving Data Mining Analysis of Tools & Techniques	15.11.2023
2.		Ms. A. G. PRIYA VARSHINI Assistant Professor(SS), Information Technology	Predictive Analytics Approaches for Software Effort Estimation	08.12.2023
3.		Mrs. N. SUMATHI Assistant Professor(SS), Computer Science Engineering	Gene Variant Analysis for the Prediction of Hemophilia Diseases	23.01.2024
4.		Dr.P.VIVEKANANDAN Professor, Artificial Intelligence & Machine Learning Engineering	Hands-on Session on Introduction to Pure Logic Programming with Prolog	14.02.2024
5.		Dr.J.BHAVITHRA Assistant Professor (SG), Computer Science Engineering	warm Intelligence based Optimization Techniques	15.03.2024
6.		Mr. R. PRABHU Assistant Professor, Information Technology	Hate Speech Detection in Social Media Networks	28.03.2024
7.		Ms. K. RADHA Assistant Professor (SS), Computer Science Engineering	Navigation of Mobile Robots in Manufacturing Industry	10.04.2024
8.		Mr. P. BOOPATHI RAJAN Assistant Professor(SS), Computer Science Engineering	Machine Learning Techniques in Predictive Modeling	24.04.2024
9.	Data Science	Dr. S. RAJA RAJESWARI Assistant Professor, Computer Applications	Sentiment Analysis in Product Reviews	21.12.2023
10.		Ms. C. JAYASHREE Assistant Professor (SS), Computer Science Engineering	AR / VR	05.01.2024

S.No.	RIG Name	Resource Person	Title	Date
11.		Ms.S.DIVYA VAHINI Assistant Professor, Computer Applications	Mathematical Computing	20.02.2024
12.		Ms.R.GEETHA RAJAKUMARI Assistant Professor, Artificial Intelligence & Data Science	Multilingual Automatic Speech Recognition Techniques	21.02.2024
13.		Mrs. K. C. THEEPIKA Assistant Professor, Computer Applications	Recent Trends in Data Science	07.03.2024
14.		Ms. G. GAYATHRI Assistant Professor, Computer Science & Engineering	Advanced Machine Learning models used in remote sensing applications	29.05.2024
15.	Computer Network &IoT	Ms. M. RAJALAKSHMI Assistant Professor, Artificial Intelligence & Data Science	Cloud Migration Strategies	24.11.2023
16.			Rapid Data Collection with Energy Optimization in WSN	02.01.2024
17.		Mr. K. R. GOKUL ANAND Assistant Professor (SS), Electronics & Communication Engineering	Plant Cultivation System Using Optimized IoT System	27.12.2023
18.		Mr.G.KARTHIKEYAN Assistant Professor, Electronics & Instrumentation Engineering	DoS and DDoS Attacks in Wireless Network	27.02.2024
19.		Mr. R. MUTHUBHARATHI Assistant Professor(SS), Electrical & Electronics Engineering	Demo on Data Transmission in IoT Framework Using LoRaWAN Gateway	27.04.2024
20.		Dr. A. P. JANANI Associate Professor, Information Technology	Hybrid Cloud: Best Practices and Implementation Strategies	20.05.2024
21.	Signal &Image Processing	Mr. A. PUVIARASU Assistant Professor, Electronics & Communication Engineering Sri Eshwar College of Engineering, Coimbatore	Defence Mechanism and Mitigation Techniques for DoS and DDoS Attacks in Wireless Sensor Network	25.11.2023
22.		Mr. A. SHAFEEK Assistant Professor, Electronics & Communication Engineering	Deep learning based Emotion Prediction and Classification using EEG signal	04.12.2023
23.		Ms. N. SUGIRTHAM Assistant Professor, Electronics & Communication Engineering	Data Security using Hybrid Visual Cryptography	04.12.2023

S.No.	RIG Name	Resource Person	Title	Date
24.		DR. JAYAKUMAR VAITHIYASHANKAR, IBM Quantum Educator, IBM Quiskit Advocate, Bangalore.	Introduction to Quantum Theory, Qubits and Quantum States and Hands on Qiskit Composer	05.01.2024*
25.		DR. S.MANJULA GANDHI, Associate Professor, IBM Quiskit Advocate, Coimbatore Institute of Technology, Coimbatore.	Quantum Circuits, Quantum Algorithms & Quantum Computing in VLSI Domain	06.01.2024*
		MS. S. S. KAVITHA, Assistant professor, IBM Quiskit Advocate, National Institute of Engineering, Mysuru. (on-line mode)		
26.		Mr.V.GURUNATHAN Assistant Professor(SS), Electronics & Communication Engineering	Dissemination of workshop on ADSP & Deep Learning Techniques for Smart Health Monitoring - (Part-1)	23.02.2024
27.		Mr.A.SHAFEEK Assistant Professor(SS), Electronics & Communication Engineering	Dissemination of workshop on ADSP & Deep Learning Techniques for Smart Health Monitoring - (Part-2)	24.02.2024
28.		Dr. R. SUDHAKAR Professor & Head, Electronics & Communication Engineering	Wavelet and it's Applications	12.03.2024
29.		Mr. T. SELVAKUMAR Assistant Professor(SS), Artificial Intelligence & Data Science	Lung Cancer Classification Using Synthesized Deep Learning Algorithm	27.03.2024
30.		Dr. C. MOORTHY Assistant Professor(SS), Electronics & Communication Engineering	Intelligent Healthcare applications Device capabilities, Design principles and conventions	16.04.2024
31.		Dr. V. K. SUDHA Professor, Electronics & Communication Engineering	Machine Learning Algorithms	23.04.2024
32.		Mr. N. PRAVEEN SUNDRA KUMAR Assistant Professor (SS), Information Technology	Machine Learning Algorithms for Image Processing	30.05.2024
33.	Cryptography and Network Security	Ms. P. RAJESWARI Assistant Professor, Information Technology	Recent Trends in Information Security	08.12.2023

S.No.	RIG Name	Resource Person	Title	Date
34.		Ms. S. SIVARANJANI Assistant Professor, Electronics & Communication Engineering	The Role of 5G in Digital Transformation	29.12.2023
35.		Mr. D. MANOJKUMAR Assistant Professor, Computer Science Engineering	Advancement in Block Chain Technology	11.01.2024
36.		Ms. N. SUGIRTHAM Assistant Professor (SS), Electronics & Communication Engineering	Visual Cryptography	28.02.2024
37.		Ms. G. DEEPA Assistant Professor, Computer Science Engineering	Phishing Email detection using Machine learning Techniques	29.02.2024
38.		Ms. G. KEERTHIKA Assistant Professor, Information Technology	Blockchain and its Application	25.03.2024
39.		Dr. S. PONNI @ SATHYA Associate Professor, Information Technology	Chaos based Scrambling Algorithm for image and video	17.04.2024
40.		Dr. M. KALIAMOORTHY Professor & Head, Electrical & Electronics Engineering	Understanding of IEEE Transaction Papers on Power Electronics	25.11.2023
41.			Hands-on Training on Implementation of DC to AC Converter using Simulation Tool	28.12.2023
42.		Dr. V. LAKSHMINARAYANAN Professor, Electrical & Electronics Engineering	Practice, Ethics and Governance for Future Energy	29.12.2023
43.	Power Electronics and Systems & Control and Automation	Mr. J. ARTHUR VASANTH Assistant Professor, Electrical & Electronics Engineering	Hands-on Session on Fuzzy Based Motor Control using Fuzzy Logic ToolBox in MATLAB	19.01.2024
44.		Ms.V.KARPAGAM Assistant Professor(SS), Electronics & Instrumentation Engineering	Modular Multilevel Matrix Converter and Its Topology	24.02.2024
45.		Dr. K. RAMESH KUMAR, Assistant Professor(SG), Electrical & Electronics Engineering	Workshop on FACTS Controller Using MATLAB Simulink	16.03.2024
46.		Mr. T. ANANDKUMAR, Assistant Professor(SS), Electrical & Electronics Engineering	Hardware Implementation for Invertor Design	23.03.2024

S.No.	RIG Name	Resource Person	Title	Date
47.		Dr. S. ANTHONY JESUDURAI, Assistant Professor(SG), Electrical & Electronics Engineering	PLC, HMI & SCADA based Automation	13.04.2024
48.		Dr. A. SENTHIL KUMAR Dean - Academics & Autonomous	Analog Implementation of Digital Algorithms	12.12.2023
49.		Dr. G. SOUNDARYA Assistant Professor(SS), Electronics & Communication Engineering	Isolation Techniques in MIMO Antennas	23.01.2024
50.		Ms. T. SATHIYA PRIYA Assistant Professor(SS), Electronics & Communication Engineering	Recent Trends in Antenna Design for Next-Gen Applications	24.01.2024
51.	RF & VLSI	Dr.K.SARANYA Assistant Professor(SG), Electrical & Electronics Engineering	Low Power Consumption in Analog VLSI Design Techniques and Challenges	10.02.2024
52.		Dr.R.S.VENKATESAN Assistant Professor(SG), Electronics & Communication Engineering	Nano CMOS VLSI Technology	14.02.2024
53.		Mr. DHANUSH Technical Expert, Entuple Technologies, Bangalore	Demonstration session of the Ansys Software Package Tool	05.03.2024
54.		Ms. K. C. RAJARAJESWARI Assistant Professor, Electronics & Communication Engineering	Recent Trends in Biomedical Antennas	13.04.2024
55.		Mr. J. SAM SURESH Assistant Professor (SS), Electrical & Electronics Engineering	Semiconductor Technologies for High Speed Circuit Design	30.05.2024
56.		Dr. D. NATHAN Associate Professor, Mechanical Engineering	Neural Networks as a Prediction Tool	25.11.2023
57.	Materials, Design and Manufacturing	Mr. M. GIDEON GANESH Assistant Professor(SS), Mechanical Engineering	Additive Manufacturing	01.12.2023
58.		Dr. N. SHANMUGA SUNDARAM Associate Professor(SG), Mechanical Engineering	Fabrication Methods and Testing of Biocomposites	03.01.2024
59.		Mr. R. GUNASEKARAN Assistant Professor, Mechanical	Studies on Micro-Electrical Discharge Machining	20.01.2024

S.No.	RIG Name	Resource Person	Title	Date
		Engineering		
60.		Dr.S.K.ASHOK Assistant Professor(SG), Automobile Engineering	Demonstration of Optimization Tool - Taguchi optimization	24.02.2024
61.		Mr. N. DHAMODHARAN Assistant Professor, Automobile Engineering	Investigations of Robotic Gripper for Agriculture Applications	11.03.2024
62.		Dr. RAMA THIRUMURUGAN Professor & Head, Mechanical Engineering	Use of Simulation Tools in Research	12.04.2024
63.		Mr. S. V. GURUPRANES Assistant Professor, Mechanical Engineering	Properties of Ziziphus Nummularia Fiber Reinforced Epoxy Composites	12.04.2024
64.	Energy Engineering & Alternative Fuels	Mr. M. PRABHU RAJ Assistant Professor, Electrical & Electronics Engineering	Importance of Energy Auditing	25.11.2023
65.		Mr. M. PONMURUGAN Assistant Professor(SS), Automobile Engineering	Energy Conservation by Augmenting Heat Transfer in Step flow	01.12.2023
66.		Dr. S. AYYAPPAN Associate Professor, Mechanical Engineering	Solar Greenhouse Dryers and their Applications	29.12.2023
67.		Dr. K. UMAMAHESHWARI Assistant Professor(SG), Electrical & Electronics Engineering	Energy Scenario in MCET Campus	20.01.2024
68.		Mr.V.D.TAMILARASAN Assistant Professor, Automobile Engineering	A Case Study on Design Parameters of Automotive Diesel Engines	24.02.2024
69.		Mr. K. MANIKANDAN Assistant Professor, Electrical & Electronics Engineering	Optimal power dispatch with renewable energy sources	28.03.2024
70.		Dr. V. UMADEVI Assistant Professor(SS), Science & Humanities	Density Functional Theory and Energy Storage Materials - a review	03.04.2024
71.		Dr. V. REGINA DELCY Assistant Professor, Science & Humanities	Structural Analysis of Materials	17.04.2024
72.		Mr. J. VENKATESH Assistant Professor, Mechanical	Emerging Technologies used in Parabolic Trough Solar Collector	27.04.2024

S.No.	RIG Name	Resource Person	Title	Date
		Engineering		
73.		Dr. N. NATARAJAN Associate Professor, Civil Engineering	How to draft a Journal Paper?	25.11.2023
74.		Dr. M. MARIAPPAN Associate Professor, Civil Engineering	Self-Healing Concrete	08.12.2023
75.		Dr. K. SRINIVASAN Assistant Professor(SS), Civil Engineering	Green Building Technology	30.01.2024
76.	Sustainability and Green Technologies	Mr.P.S.SATHISH KUMAR Assistant Professor(SS), Civil Engineering	Sustainable Materials	10.02.2024
77.		Mr. S. KRISHNA KUMAR Assistant Professor(SS), Civil Engineering	Modified Drastic Modeling	13.03.2024
78.		Mr. A. MANIKANDAN Assistant Professor(SS), Civil Engineering	Utilization of Foundry Waste Sand in Concrete	12.04.2024
79.		Mr. S. SYED MASOODHU Assistant Professor(SS), Civil Engineering	Hydraulic Performance of Modified Geosynthetic Clay Liner	18.05.2024
80.		Dr. B. SARAVANAKUMAR Assistant Professor(SS), Science & Humanities	Bismuth Based Nanostructured Materials for Energy Storage Applications	25.11.2023
81.		Dr. S. PARVEEN Women Scientist, DST-WOS(A)	Art of Proposal Writing for Grants	09.12.2023
82.		Dr. M. MARIYAPPAN Assistant Professor, Science & Humanities	Spectroscopic Investigations on Rare Earth doped Glasses	18.12.2023
83.	Energy materials & Bio inspired materials	Mr. N. KARTHIKEYAN Assistant Professor(SS), Science & Humanities	Surface Assistant Engineering of Bi2O3 Nanostructures for Supercapacitor Negative Electrodes	19.01.2024
84.		Dr. S. PARVEEN Women Scientist, DST-WOS(A)	Graphite Caron Nitride (g-C3N4) Blended Co3O4/Fe2O4 Nanoparticles as a Potential Super capacitor Electrode	04.03.2024
85.		Dr. J. JOHNSON WILLIAM Assistant Professor, Science & Humanities	Trash to Treasure: Recycling of Zn-C Battery for ZnO2/Mn2O3/Co3O4 Supercapacitor Electrode	11.05.2024
86.		Mr. T. MUTHU KUMAR Assistant Professor, Science & Humanities	Mathematical Modeling on Fuzzy Differential Equations	16.12.2023
87.	Fuzzy Mathematics-Applications	Dr. K. VISHALAKSHI Assistant Professor, Science & Humanities	Laplace Intuitionistic Fuzzy Number	06.01.2024
88.		Dr. L. SENTHIL KUMAR Assistant Professor(SG), Science & Humanities	Continuous Function in Intuitionistic Fuzzy Topological Space	31.01.2024

S.No.	RIG Name	Resource Person	Title	Date
89.		Dr. R. RAMESH Assistant Professor(SG), Science & Humanities	Mathematical Modelling in Formulation and Biological evaluation of Silver Nano Particle	29.02.2024
90.		Dr. K. KALAI SELVI Assistant Professor(SS), Science & Humanities	r- Dynamic Coloring of Product of graphs	05.04.2024
91.		Mr. T. PONNUCHAMY Assistant Professor, Science & Humanities	Energies of a Graph and its Application	17.05.2024

*-Associated with the department of ECE