



SRI RANGANATHAR INSTITUTE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution)



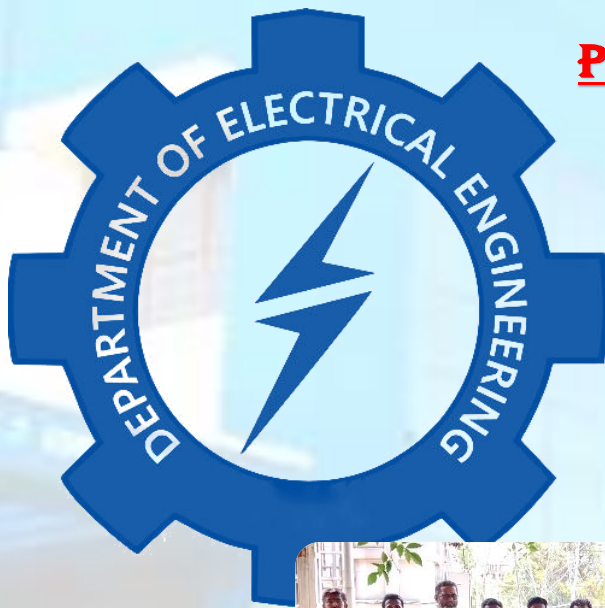
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
Athipalayam, Coimbatore - 641 110. website: sriet.ac.in, Ph: 0422 - 2697792

EEE

Department of ELECTRICAL & ELECTRONICS ENGINEERING



EMBER ASSOCIATION-2K24



PRESENTS



Editorial Board (Student):

- 🔧 Chief Editor: Mr S Dhivahar IV-EEE
- 🔧 Editor: Mr Prem Kumar III-EEE
- 🔧 Designer: Ms Anushya II-EE

Staff Editorial Board:

- 🔧 Dr R Leena Rose Prof&HoD/EEE
- 🔧 Mr K Muthuraj AP/EEE



SRIET Profile:

Sri Ranganathar Institute of Engineering and Technology (SRIET) came into existence in 2011, out of an ardent desire of Dr. V. Narayanasamy to contribute manifold to the society that nurtured him. SRIET is an Innovative Educational Institution where the curiosity, creativity and intellectual joy of students all drive to academic excellence. Our Institution provides complex problem-solving skill and imbibes service to the public good. SRIET is defined by strong association and working in ways that excel in traditional boundaries.

SRIET's academic excellence is rooted in a student-centered model of learning. The Curriculum is an accurate approach to education that pushes the students to be creative thinkers, intellectual risk-takers and entrepreneurial problem-solvers. SRIET leaves students prepared to thrive as independent and innovative leaders and equipped with the tools they need to become the next generation of leaders in their respective fields.

Sri.V. Narayanasamy
Chairman,
Sri Ranganathar Group of Companies



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

ABOUT THE DEPARTMENT:

Electrical engineers synthesize science, mathematics, technology, and application-oriented designs into world-class consumer products, timely microprocessors, state-of-the-art computers, advanced electronic components, and much more. From cutting-edge technology revolutions to real life applications, the innovations of electrical engineers continue to lead the future and elevate the standards in the marketplace. With a shortage of electrical engineering talent in the job market, the demand for graduates with an electrical engineering degree remains at an all-time high.



MISSION & VISION

VISION:

To enable our students to have a higher degree of competence in enhancing efficiency in energizing the world and maximizing green energy.

MISSION:

- To facilitate students to adept latest technology in addressing the challenges in transmission and distribution of electricity.
- To engage and collaborate with education and experience towards building unified technology.
- To kindle the students to innovate in designing and developing new products and process that add value to customers.
- To inculcate the need of green energy in the minds of students to sustain Mother nature.



HOD'S DESK

I believe my role as an educator is to guide and nurture the next generation to establish skills to achieve health, respect, prosperity and fulfilment.

The ability to be innovative and creative is important to me. I enjoy being challenged and inspired by the people around me. I am an avid supporter of effective and innovative professional development that encourages teachers to be reflective and to continuously examine our practice to provide quality teaching and learning for each student. My role as head of the department is to keep up with latest trends and research and be an active partner in the college's professional development.

LABORATORY SPECIFICS:

Power Electronics and Drives Laboratory:

- ✦ It consists of different kinds of demo kits such as SCR characteristics, study kit for D.C motor control using chopper and necessary simulation software.
- ✦ The lab is equipped with all the power electronic converters, DSP and FPGA based DC and AC Drives, Digital Integrated kits, Power supplies.

Electrical Machines Laboratory:

- ✦ Imparts the knowledge about characteristics and behaviour of the DC and AC Machines.
- ✦ Well established with all kinds of motors, generators and latest Drives.

Control System Laboratory:

- ✦ Lab is equipped with control system kits like DC servomotor and synchros.
- ✦ Well established with instrumentation kits like LVDT, strain Guage, thermistor and thermocouple kit
- ✦ Provides an opportunity for the students to implement the control system concepts

Power System Simulation Laboratory:

- ✦ Furnished with high-speed internet facilities in all the systems.
- ✦ Software like ETABS in this lab interface the mathematical computing visualization and a powerful language to provide a flexible environment for technical computing in the areas of power electronics, control system, power system and electronic circuits.





PROGRAM OUTCOMES (PO)

PO1: Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2: Problem analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3: Design/ development of solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4: Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5: Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6: The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7: Environment and sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8: Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9: Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10: Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11: Project management and finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12: Life-long learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1	Capable to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
PSO2	Comprehend, analyses and design products in core domains namely power, control and energy to meet the ever-changing demands of industry and society.

Student's Achievements:

- **David Kumar M II-EEE, Krishnaraja K II-EEE, Nevin J II-EEE** Participated in the event of **Circuit Debugging** and got **1st place** in the national level technical symposium **INFEST 2K25** on **28.03.2025** at **Info Institute of Engineering, Coimbatore-641107.**
- **Boomika S III-EEE** Participated in the event of **Paper Presentation** and got **3rd place** in the national level technical symposium **INFEST 2K25** on **28.03.2025** at **Info Institute of Engineering, Coimbatore-641107.**



- **Kathires J III EEE** Participated in the **“EMICA-25 National level technical symposium and secured Second Place in the event of ROUTE THE CIRCUIT”** on **07.04.2025** at **TamilNadu College of Engineering, Coimbatore.**
- **M Prem Kumar III EEE** Participated in **“Paper Presentation and Secured First Place in MECHATRIX- 2K25, a National Level Technical Symposium”** on **17.04.2025** at **Nehru Institute of Engineering and Technology, Coimbatore-641105.**
- **R Chandrikha and M Mohana Priya III EEE** Participated and **Secure Third place in CIRCUIT DEBUGGING** in **KMOREZ 2K25- A National level technical symposium** on **30.04.2025** at **RVS College of Engineering and Technology, Kannampalayam Coimbatore.**
- **V Ranjith II EEE and A Santhosh II EEE** Participated and **Secure First place in Free Rire** in **KMOREZ 2K25- A National level technical symposium** on **30.04.2025** at **RVS College of Engineering and Technology, Kannampalayam Coimbatore.**
- **R Chandrikha and M Mohana Priya III EEE** Participated and **Secure Third place in BATTLE OF MINDS** in **KMOREZ 2K25- A National level technical symposium** on **30.04.2025** at **RVS College of Engineering and Technology, Kannampalayam Coimbatore.**



- **R Chandrikha and M Mohana Priya III EEE** Participated and **Secure Third place in SQUID GAME** in **KMOREZ 2K25- A National level technical symposium** on 30.04.2025 at **RVS College of Engineering and Technology, Kannampalayam Coimbatore.**



Extension Activities:

Janaprathap III-EEE Ramar M III-EEE Anish Kumar A III-EEE Kabilan E III-EEE Successfully completed **10-Days (70 Hour) course** titled on **“Application Driven Electronic and Embedded Technology with IoT”** from 17.03.2025 to 26.03.2025 at **IIT-Madras.**



S Rudhrabathi II EEE Participated in the event of **“BOXING and secured second place in the 4th YSPA STSTE CHAMPIONSHIP-2025”** on 27.04.2025 at **KSR Educational Institutions, Tiruchengode, Namakkal dt, Tamilnadu.**



Student's event participation details:
Implant Training/Internship:

Sl. No.	Student name	Event Name	Date	Venue
1.	Annamalai III EEE	Successfully completed internship in "Embedded C"	17.01.2025 to 19.01.2025	Protowiz Pvt Ltd Saibaba Colony, Coimbatore-641025
2.	Kalidoss III EEE			
3.	Premkumar III EEE			
4.	Vikram III EEE			
5.	Soundariya S II EEE	Successfully completed Implant Training	09.01.2025 to 11.01.2025	Orange Pumpss and Motorss, Ganapathy, Coimbatore-641006
6.	David Kumar M II EEE	Successfully completed internship in "IoT"	17.01.2025 to 19.01.2025	Protowiz Pvt Ltd Saibaba Colony, Coimbatore-641025
7.	Johnjesinth S II EEE			
8.	Madhusuthan M II EEE			
9.	Mukesh Kanna K II EEE			
10.	Nevin J II EEE			
11.	Santhosh A II EEE			
12.	Vishvan V II EEE			



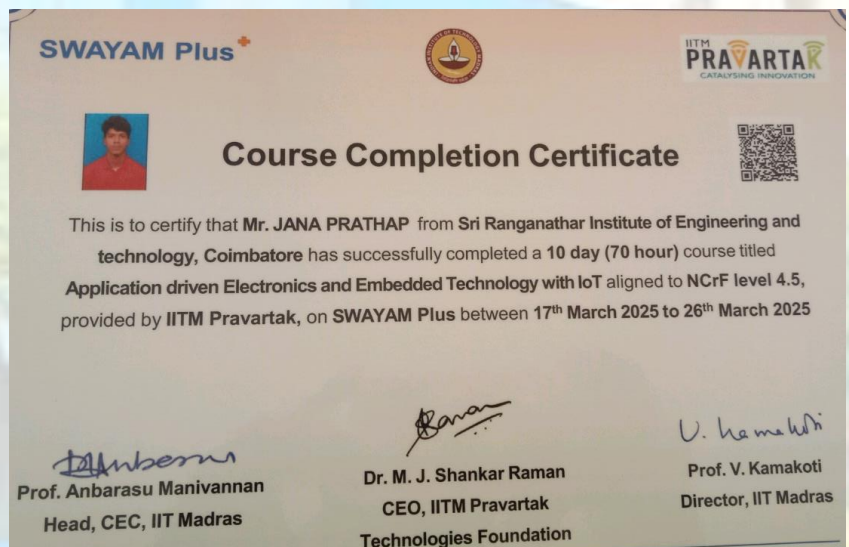
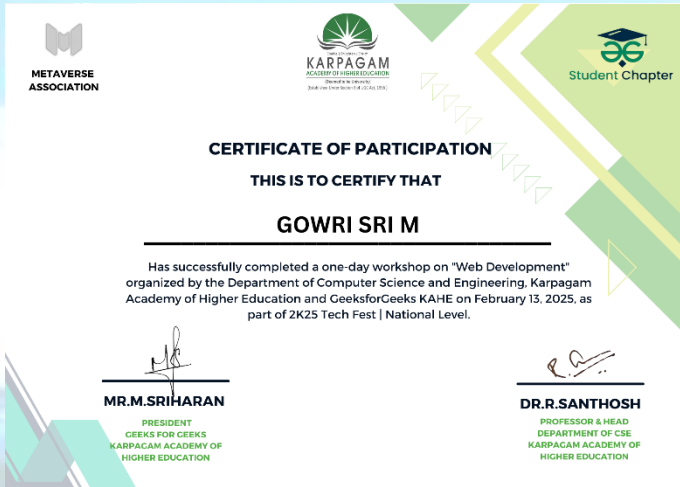


Student's event participation details:

Sl. No.	Student name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended/Webinar	Date	Venue
1.	Gowri Sri M II EEE	Successfully Completed a one-day workshop on “Web Development”	13.02.2025	Karpagam Academy of Higher Education
2.	Soundariya S II EEE			
3.	Sri Harini V II EEE			
4.	Mukesh Kanna K II-EEE	Participated in one-day workshop and hands on training in “IOT”	19.03.2025 & 20.03.2025	SNS College of Technology, Coimbatore-641035
5.	Ranjith V II-EEE			
6.	Dhanush B IV-EEE	Presented research paper titled on “Autonomous Delivery Robot using LIDAR”	March 29, 2025	International Conference on “Innovations in Engineering, Computing and Smart Technologies (ICIECST-2025)” at Sree Sakthi Engineering College (Autonomous), Coimbatore.
7.	Kamalesh R IV-EEE			
8.	Sriee Vidhyaharini K IV-EEE			
9.	Balu Prathick P IV-EEE	Presented research paper titled on “Design and Implementation of RFID in a Hover Board for Low Distance Transportation”		
10.	Lakshmanan C IV-EEE			
11.	Sakunth B IV-EEE			
12.	Dhivahar S IV EEE	Presented research paper titled on “AI Based Robotic ARM Control for Industrial Application”		
13.	Kathirvel K IV-EEE			
14.	Prabhakaran S IV-EEE			
15.	Sivasakthinathan M IV-EEE	Presented research paper titled on “Efficient reactive power compensation using STATCOM and Capacitor”		
16.	Mersilin Geetha J IV-EEE			
17.	Ravichandran N IV-EEE			
18.	P Santhosh III EEE	Participated in the event of Paper Presentation organized as a part of SIDDHARTH QUEST-2K25, National level technical symposium.	04.04.2025	Siddharth Institute of Engineering and Technology, Puttur, Tirupati, Andra Pradesh
19.	S Kirankumar III EEE			
20.	Gollakandringa Lohith III EEE			
21.	G Mamathi Saru III EEE	Participated in one-day Seminar on “Business Opportunities and Challenges in Battery Recycle and Disposal”	08.04.2025	SNS College of Engineering, Coimbatore.
22.	M Mohana Priya III EEE			
23.	S Mohandas II EEE	Participated in Paper Presentation during the National level technical symposium VIYUGAM-2k25	09.04.2025	PPG Institute of Technology, Coimbatore.
24.	S Mohandas II EEE	Participated in Hacker Rank during the National level technical symposium VIYUGAM-2k25		



25.	V Ranjith II EEE	Participated in BATTLE OF MINDS in KMOREZ 2K25- A National level technical symposium	30.04.2025	RVS College of Engineering and Technology, Kannampalayam Coimbatore.
26.	V Ranjith II EEE	Participated in CIRCUIT DEBUGGING in KMOREZ 2K25- A National level technical symposium	30.04.2025	
27.	S Dhivahar IV EEE	AI BASED ROBOTIC ARM CONTROL FOR INDUSTRIAL APPLICATION	International Journal of Research and Analytical Reviews (IJRAR) Volume 12, Issue 2, 05-May 2025	UGC and ISSN Approved
28.	K Kathirvel IV EEE			
29.	S Prabhakaran IV EEE			
30.	P Balu Prathick IV EEE	DESIGN AND IMPLEMENTATION OF RFID IN A HOVER BOARD FOR LOW-DISTANCE TRANSPORTATION		
31.	Lakshmanan C IV EEE			
32.	Sakunth B IV EEE			
33.	N Aswin IV EEE	MACHINE LEARNING BASED POWER ESTIMATION IN ELECTRIC CIRCUITS		
34.	K Sangeetha IV EEE			
35.	G Sathish Kumar IV EEE			





Program Organized:

Faculty Name	Date	Title of the Programme	Duration	Resource Person Name, Designation & Address
Mrs G Mariya Sundari	21.01.2025	One Day Seminar on “Computer Vision and Digital Image Processing for Electrical Applications”	3 Hrs	Dr S Mary Praveena ASP/ECE, Sri Ramakrishna Institute of Technology, Coimbatore.
Mr K Rajesh kumar	24.03.2025	One Day Seminar on “Introduction to PLC and its Role in Industrial Application”	3 Hrs	Mr Mohamed Musthafa R Automation System Engineer, IPCS Global Solutions Pvt, Ltd, Coimbatore.
Mrs T Kaviya	25.03.2025	One day seminar on “PCB Design and Its Real-World Application”	3 Hrs	Mr B Lawrance CEO, APLUS GROUP School of Technical Education, Coimbatore.
Mrs C Kalaivani	09.04.2025	One Day Seminar on “Sustainable Engineering in Core Industry”	3 Hrs	Er S Deepak BIM Consultant, Unique MEP Engineering Academy Pvt. Ltd., Coimbatore.
Mr K Muthuraj	22.04.2025	Guest Lecture on “Recent Revolutions in Wind Energy Farms”	3 Hrs	Mr M Suresh, Lead-Operating Manager, Suzlon Global Service LTD, Coimbatore.
Mr Alex George	03.05.2025 & 04.05.2025	Two Days hands on training on “Future Wheels: Hands-on Electric Vehicle Training for Engineers”	2 Days	Mr Dhamodharan Karuppusamy, Co-Founder & CEO, VAMP Innovations Pvt. Ltd, Coimbatore.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INSTITUTION'S INNOVATION COUNCIL

EMEEER ASSOCIATION PRESENTS

**One Day Seminar on
Computer Vision and Digital Image Processing for Electrical Applications**



Speaker
Dr.S.Mary Praveena
Associate Professor, Department of ECE,
Sri Ramakrishna Institute of Technology, Coimbatore

Date : 21.01.2025 (Tuesday) Time : 11.30 am



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
INSTITUTION'S INNOVATION COUNCIL

EMEEER ASSOCIATION PRESENTS

**One Day Seminar on
PCB Design and its Real World Applications**



Speaker
Mr.B.Lawrance
CEO, APLUS GROUP
School of Technical Education, Coimbatore.

Date : 25.03.2025 (Tuesday) Time : 02.00 pm Venue : Seminar Hall II





Chief Patron :
Dr. V. NARAYANASAMY
Chairman, SRJ Groups

Patron :
Mrs. ARTHI HARIKRISHNA
Director, SRJET

President:
Dr. H. GANESAN
Principal, SRJET

Vice President:
Dr. J. MAALMARUGAN
Professor/CoE, SRJET

Conveners:
Dr. R. LEENA ROSE
Ho/EEE, SRJET

Co-Ordinator :
Mrs. C. KALAIVANI
AP/EEE, SRJET



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INSTITUTION'S INNOVATION COUNCIL
&
EMEEER ASSOCIATION PRESENTS

One Day Seminar on
Sustainable Engineering in
Core Industry



Speaker
ER. DEEPAK S
BIM Consultant
Unique MEP Engineering Academy Pvt. Ltd., Coimbatore.

Date : 09.04.2025 (Wednesday) | Time : 02.00 pm | Venue : Seminar Hall II



Journal Publication Details:

S. No	Faculty name	Paper Title	Journal Name Volume No, Month/ Year, Page Nos.	Indexed by Thompson/ Scopus etc.
1	Dr J Maalmarugan	Characterizations of 2,4-Difluoroanisole-24DFANIS Organic Macro, Micro Scaled Specimen for Structural and Sensor Applications by Computational and Experimental Ways	Advanced Journal of Chemistry- Section A March 2025 Doi: 10.48309/ajca.2025.508861.1794	Scopus
2	Mrs G Mariya Sundari	DESIGN AND IMPLEMENTATION OF RFID IN A HOVER BOARD FOR LOW-DISTANCE TRANSPORTATION	International Journal of Research and Analytical Reviews (IJRAR) Volume 12, Issue 2, 05-May 2025	UGC and ISSN Approved
3	Mr D Palanivel	MACHINE LEARNING BASED POWER ESTIMATION IN ELECTRIC CIRCUITS		

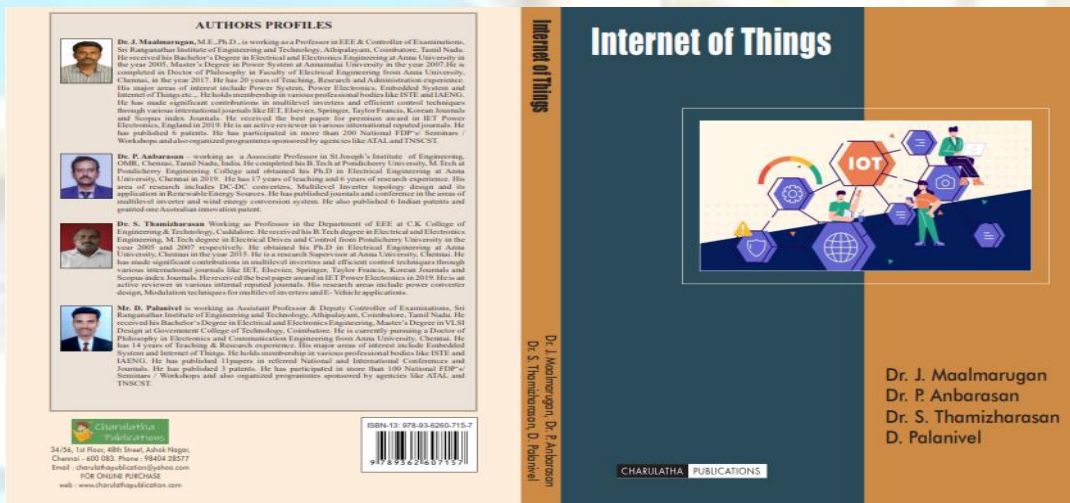


Conference Publication Details:

S. No	Faculty name	Paper Title	Conference details (Name, Date & Venue)
1	Mrs G Mariya Sundari	Design and Implementation of RFID in a Hover Board for Low Distance Transportation	International Conference on “Innovations in Engineering, Computing and Smart Technologies (ICIECST-2025)” held on March 29, 2025 at Sree Sakthi Engineering College (Autonomous), Coimbatore.
2	Mr K Muthuraj	Autonomous Delivery Robot using LIDAR	
3	Dr R Leena Rose	AI Based Robotic ARM Control for Industrial Application	
4	Mr C Kalaivani	Efficient reactive power compensation using STATCOM and Capacitor	

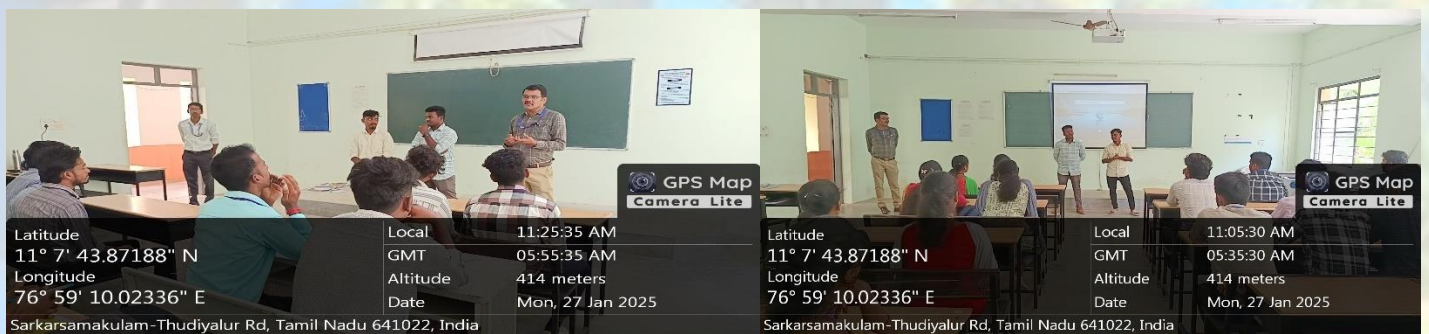
Book Publication Details:

Dr J Maalmarugan and Mr D Palanivel published the book “Internet of Things” under Charulatha Publications, ISBN-13:978-93-6260-715-7



Extension Activities:

Arranged Alumni interaction to II-, III- and IV-year EEE students, addressed by **Mr. PANDIARAJ N** and **Mr. PUSHPARAJ K** from 2017-21 Batch working as Trainee Engineer at Lakshmi Electrical Control Systems Ltd, Coimbatore on 27.01.2025.





Mrs T Kaviya **Successfully completed 8-week NPTEL course on “Facts Devices” with Elite score of 80% during Jan-March 25 at IIT-Roorkee.**

Dr R Leena Rose **Successfully completed 8-week NPTEL course on “Augmenting Design Thinking with Human-Computer Interaction during April 2025 at IIT, Roorkee.**

Mr K Rajeshkumar **Successfully completed 12-week NPTEL course on “Smart Grid: Basics to Advanced Technologies” during April 2025 at IIT, Roorkee.**

Arranged **Industrial visit to 230/110KV, Thudiyalur sub-station** for II, III and IV-year EEE Students on 23.04.2025.



Mr Alex George and Mrs T Kaviya **Successfully completed 12 weeks NPTEL-AICTE FDP course on “NBA Accreditation and Teaching and Learning in Engineering (NATE)” during May 2025 at IIT, Roorkee.**

FDP/STTP/Seminar/Workshops Attended Details:

Sl. No.	Faculty name	Title of the Conference / Seminar / Workshop / FDP/ STTP Attended	Date	Venue
1.	Mr Alex George	Participated and completed AICTE-ATAL FDP on “Emerging Trends in Information System Security using AI & Data Science for Next-Generation Cyber Analytics”	30.12.2024 to 04.01.2025	Guru Nanak Dev Engineering College
2.	Mr Alex George	Participated and completed AICTE-ATAL FDP on “Next-Generation Algorithms and Technological Advances”	06.01.2025 to 11.01.2025	MIT Campus, Anna University



3.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Next-Generation Manufacturing: Harnessing Digital Technologies for Industrial Transformation”	13.01.2025 to 18.01.2025	Sanjeev Agrawal Global Educational University
4.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Smart Cities and Its Mobility”	20.01.2025 to 25.01.2025	IFET College of Engineering
5.	Mr K Muthuraj	Participated and completed AICTE-ATL FDP on “The Future of Smart Mobility: Integrating AI and IoT in Electric Vehicle Ecosystems”	27.01.2025 to 01.02.2025	Sree Sakthi Engineering College
6.	Mrs G Mariya Sundari			
7.	Mrs C Kalaiyani			
8.	Mrs T Kaviya			
9.	Mr Alex George	Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	22.01.2025 to 31.01.2025	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram.
10.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Emerging Trends in AI and Future Applications”	03.02.2025 to 08.02.2025	JEPPIAAR Engineering College
11.	Mr Alex George	Participated and completed AICTE-ATL FDP on “The Role of Artificial Intelligence and Machine Learning in Electric Vehicle Technology”	10.02.2025 to 15.02.2025	K Ramakrishnan College of Technology
12.	Dr J Maalmarugan	Participated in Webinar on “Scintillation Detectors: Recent Trends and Advances”	13.02.2025	SR University, Warangal, India.
13.	Mr D Palanivel			
14.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Revolutionizing Electric Vehicle Powertrains: The Role of Wide-Bandgap Semiconductors in Overcoming Challenges and Shaping Future Trends”	17.02.2025 to 22.02.2025	DR. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY
15.	Mrs T Kaviya	Participated and completed AICTE-ATL FDP on “Impact of urban green spaces in alleviating microclimate change using geospatial Techniques”	17.02.2025 to 22.02.2025	Sri Ramakrishna Engineering College
16.	Mr P Meenakshi Sundaram	Successfully completed six days faculty development training program on “CEC340-MEMS Design”	24.02.2025 to 01.03.2025	SRIET
17.	Mr K Rajesh Kumar			
18.	Mr K Muthuraj			
19.	Mrs G Mariya Sundari			



20.	Mrs C Kalaivani			
21.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Sustainable Manufacturing and Advanced Automation in Industries”	24.02.2025 to 01.03.2025	Indira Gandhi Institute of Technology, Sarang
22.	Mrs T Kaviya	Participated and completed AICTE-ATL FDP on “Smart Communication in IoT: Secure and Future Applications and Possibilities”	24.02.2025 to 01.03.2025	St. JOSEPH College of Engineering
23.	Mr Alex George	Participated and completed AICTE-ATL FDP on “Sustainability Innovation Trends in Civil Engineering”	10.03.2025 to 15.03.2025	Lords Institute of Engineering and Technology
24.	Mrs T Kaviya			
25.	Dr J Maalmarugan	Participated in one-day Seminar on “Business Opportunities and Challenges in Battery Recycle and Disposal”	08.04.2025	SNS College of Engineering, Coimbatore.
26.	Dr R Leena Rose			
27.	Mr D Palanivel			
28.	Mrs T Kaviya	Participated in the One Week Virtual National Level Faculty Development Program (FDP) on “Emerging Trends in Medical Additive Manufacturing: AI & ML Approaches”	21.04.2025 to 26.04.2025	Lords Institute of Engineering and Technology
29.	Mr Alex George	Participated in national workshop on “Intellectual Property Rights (Theme 2025 – IP Monetization and Technology Transfer)”	25.04.2025	SRM TRP Engineering college, Tiruchirappalli
30.	Dr R Leena Rose	Successfully participated in “Masterclass Series under IP Utsav”	21.04.2025 to 26.04.2025	AICTE
31.	Dr R Leena Rose	Participated in the professional development programme on “Artificial Intelligence and Machine Learning Applications in Electrical and Electronics Engineering”	28.04.2025 to 02.05.2025	NITTR Chennai
32.	Mr Alex George	Participated in the 5 days online national level FDP on “The Foundations and Future of Quantum Computing”	05.05.2025 to 09.05.2025	Sri Sairam College of Engineering, Bengaluru.
33.	Mr K Rajeshkumar			
34.	Mr K Muthuraj			
35.	Dr R Leena Rose	Participated in the 5 days online FDP on “Mastering Deep Learning: Theory, Techniques and Applications”	12.05.2025 to 16.05.2025	KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore-641402
36.	Mrs G Mariya Sundari			
37.	Mrs C Kalaivani	Participated in 3-Days FDP on “Outcome Based Education and Effective Pedagogy”	12.05.2025 to 14.05.2025	KGiSL Institute of Technology
38.	Mrs T Kaviya	Successfully completed the 6 days online FDP on “Transforming Tomorrow: Unleashing the Power of	26.05.2025 to 31.05.2025	Kongunadu College of Engineering and Technology



		Machine Learning and Cutting-Edge Signal and Image Processing for Healthcare”		
39.	Dr J Maalmarugan	Participated in the 5 days FDP on “Next-Generation Construction Practices using BIM	23.06.2025 to 27.06.2025	SRIET
40.	Dr R Leena Rose			
41.	Mr Alex George			
42.	Mr D Palanivel			
43.	Mr K Muthuraj			
44.	Mr K Rajesh Kumar			
45.	Mrs G Mariya Sundari			
46.	Mrs C Kalaivani			
47.	Mrs T Kaviya	AICTE Incorporating Universal Human Values in Education	June 9, 2025 - June 13, 2025	AICTE UHV1

Career Pathways for an Electrical Engineer

Design



Skills Required:
 Power Generation, Signal Processing, PLC, Programming

Job Roles

- Grid Design Engineer
- Network Engineer
- Design Engineer
- Signal Process Engineer



Production

Skills Required:
 SCADA, Installation and Commissioning, Operation Management

Job Roles

- Production Engineer
- Commissioning Engineer
- Metering Engineer
- Wind/ Solar Farm Manager



Sales & Other

Skills Required:
 Spreadsheet Calculations, Modelling and Simulation

Job Roles

- Quality Manager
- Safety, Health and Environment Manager
- Financial Forecaster
- Sales Engineer



Maintenance

Skills Required:
 Electric Transmission (HV, LV), Engineering Systems, Control and Instrumentation

Job Roles

- Power Engineer
- Signalling Engineer
- Systems Engineer
- Site Engineer
- Service Engineer



Planning

Skills Required:
 Project Management, Spreadsheet Calculations

Job Roles

- Project Engineer
- Transmission Manager
- Project Manager

