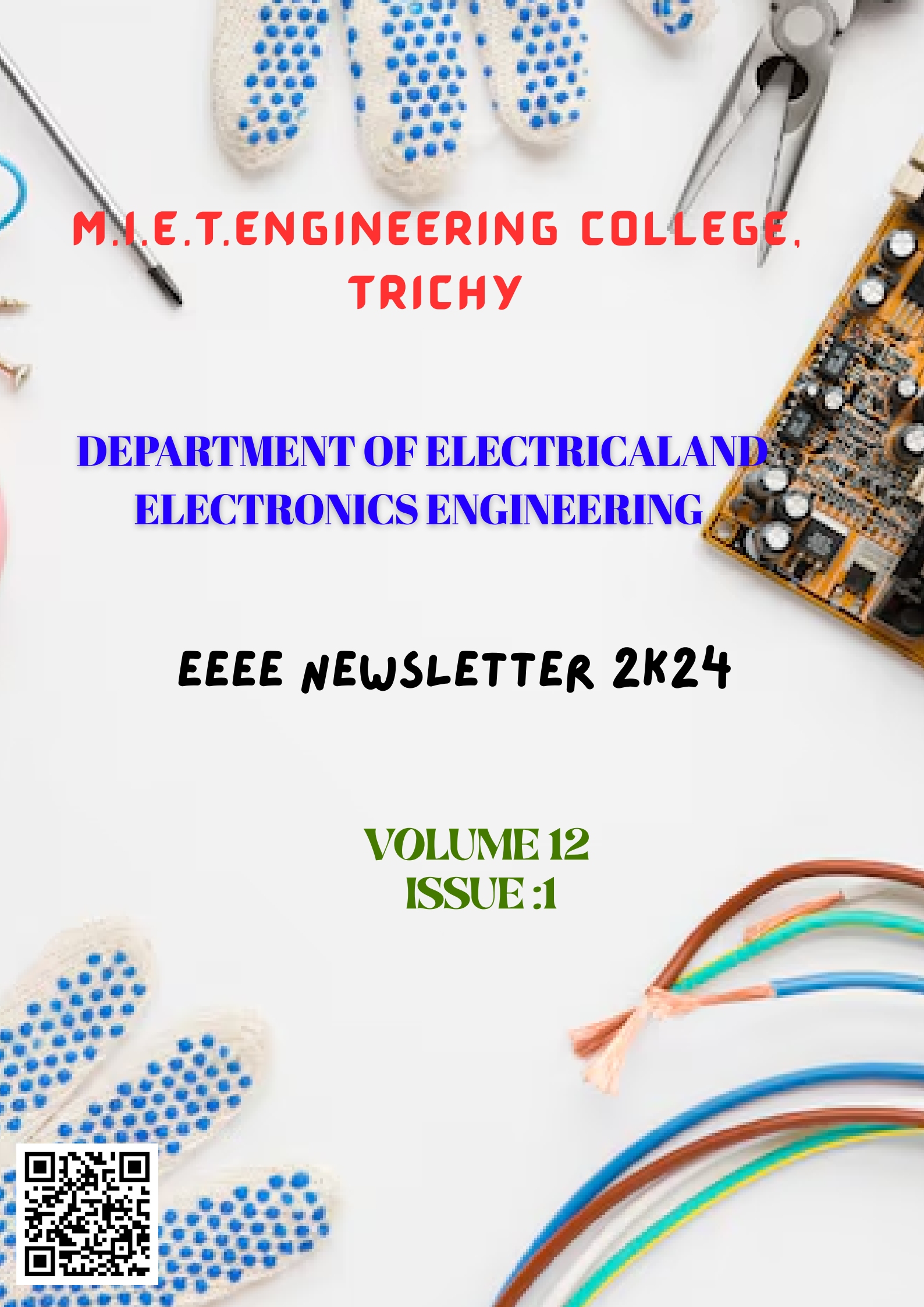




**M.I.E.T. ENGINEERING COLLEGE,
TRICHY**

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

EEEE NEWSLETTER 2K24

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**EEE NEWSLETTER 2K24 - VOLUME-12, ISSUE-1****2024-2025- ODD SEMESTER****ABOUT US**

The Department of Electrical and Electronics Engineering at M.I.E.T. Engineering College was established in 1998 and offers two undergraduate programs: Under-Graduate Programme (B.E) in Electrical and Electronics Engineering and Post-Graduate Programme (M.E) in Power Electronics and Drives. The department has been accredited by the National Board of Accreditation (NBA) and recognized as a Research Department by Anna University. The programs cover subjects such as Electrical Machines, Transmission and Distribution, Electronic Devices and Circuits, Control Systems, Micro Processor and Micro Controllers, and Power System Operation and Control.

The department has well-equipped laboratories, including Electrical Machines Lab, Measurement and Instrumentation Lab, Control Systems Lab, Power Electronics Lab, Power System Simulation Lab, and Renewable Energy Systems Lab. The department also encourages students to organize seminars, workshops, and conferences on advanced areas of Electrical and Electronics Engineering, and invites eminent professors, scientists, technocrats, and industrialists to deliver guest lectures and interact with students.

VISION

- ❖ To be recognized as centre of excellence in Electrical and Electronic Engineering, contribution to the needs of stakeholders.

MISSION

- ❖ To impart quality education through comprehensive exposure, value additions and effective teaching learning process.
- ❖ To facilitate learning environment in view of challenges in the field of Electrical and Electronics Engineering.
- ❖ To provide Platform for students to update the contemporary knowledge with professional quality and commitment to lifelong learning.

DEPARTMENT ACTIVITIES

GUEST LECTURES

A seminar on “Microprocessor and Interfacing” was conducted on 10 December 2024 at the ‘B’ Block Seminar Hall, with 56 students participating. Dr. D. Kalaiyaran, Assistant Professor, ECE, Government College of Engineering, Srirangam, served as the Resource Person and provided valuable insights into microprocessors and interfacing techniques.



HOD of EEE delivering the Welcome Address

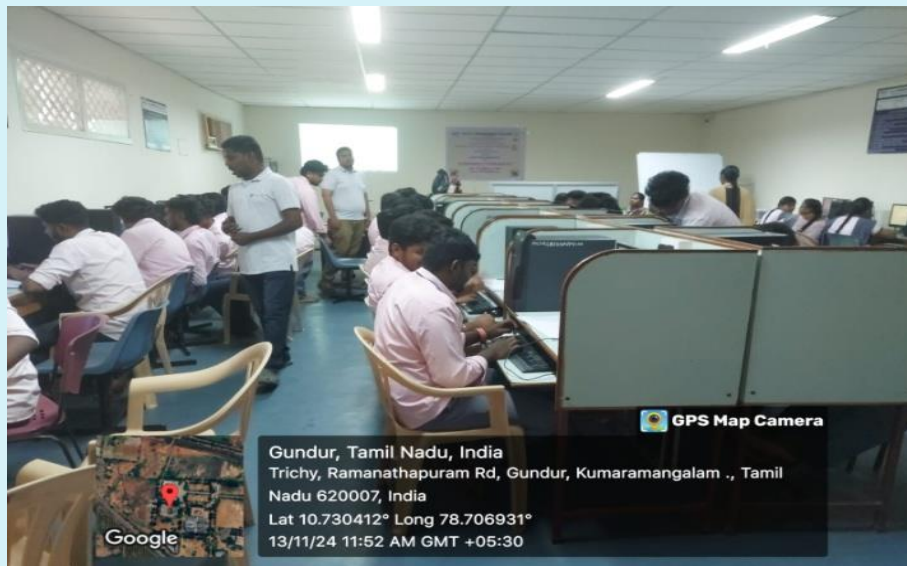


Expert Conducting the Technical Session

A three-day seminar on “Embedded and IoT” was conducted from 13 to 15 November 2024 at the Simulation Lab, with 50 students participating. Mr. S. Avudaiyaappan, Director, Marcellotech, Trichy, and Mr. V. R. Vairabharathi, Senior Programmer, Marcellotech, Trichy, served as resource persons and provided students with valuable insights into embedded systems and IoT technologies.



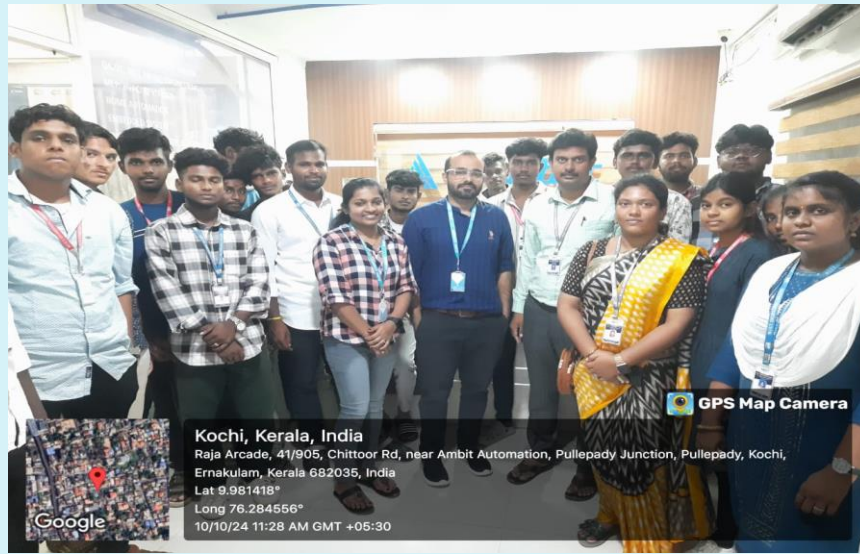
HOD of EEE Delivering the Inaugural Address



Expert Sharing Technical Insights

INDUSTRIAL VISIT

An industrial visit was organized for the III Year, V Semester students on October 9 and 10, 2024, for a duration of two days. A total of 21 students, comprising 18 boys and 3 girls, accompanied by 2 staff members (1 male and 1 female), participated in the visit. The students visited Cochin Shipyard, Kochi, Kerala, and AMBIT Automation, Pullepady, Chittoor Road, Kerala, gaining valuable practical exposure to industrial operations, technologies, and workplace practices. The visit provided an enriching opportunity for students to connect their theoretical knowledge with real-world industrial applications.



Exploring Industry Through an Industrial Visit



Learning Beyond the Classroom – Industrial Visit

An industrial visit was organized for the IV Year, VII Semester students from November 20 to 22, 2024. A total of 31 students and 2 staff members participated in the three-day visit to The Travancore-Cochin Chemicals Limited, Wonderla Amusement Park, and TorkWell Automation & Controls, Kochi, Kerala. The visit provided students with valuable practical exposure to industrial operations, automation, and real-world working environments, enriching their technical knowledge and learning experience.



Industrial Visit to Travancore-Cochin Chemicals Ltd.



Team Meeting at Torkwell, Kochi

An educational visit was organized for the II Year, III Semester students on October 10, 2024, for a duration of one day. A total of 26 students and 2 staff members participated in the visit to the Kodaikanal Solar Observatory, operated by the Indian Institute of Astrophysics, Kodaikanal. The visit provided students with valuable exposure to solar observations, astronomical research, and practical applications of science and technology.



Educational Visit to Kodaikanal



Educational Exhibition Visit and Student Interaction

STUDENTS PARTICIPATION IN PROFESSIONAL ACTIVITIES

- **Alparvesh Ibrahim** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M. Harish Kumar** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **H. Kamaludeen Ahamed** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **P. Naveen** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M. Syed Emadhudeen** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **Mohamed Barvis** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M Y Rogan Prasath** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **R. Manikandan** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **S. Sheik Abdullah** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **S. N. Syed Imran** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **Monica** – Participated in the National-level Paper Presentation at the Technical Symposium “**Festronix’ 2K24**”, KRCT, Trichy on **25.10.2024**.
- **S. Pabitha** – Participated in the National-level Paper Presentation at the Technical Symposium “**Festronix’ 2K24**”, KRCT, Trichy on **25.10.2024**.

STUDENTS PARTICIPATION IN EXTRA CURRICULAR ACTIVITIES**STUDENTS IN-PLANT TRAINING**

- **Kalanthar Asan V** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.
- **Pabitha S** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.

- **Santhiya R** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.
- **Sathik Manzoor S** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.
- **Subhashree A** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.
- **Ushalini R** – Underwent industrial training at **Pudukkottai Electricity Distribution Circle, EB Complex, Pudukkottai – 622 001**, from **19.07.2025 to 29.07.2025**.
- **Dhanush B** – Underwent industrial training at **Trichy Electricity Distribution Circle, Mannarpuram, Trichy – 620 020**, from **21.07.2025 to 25.07.2025**.
- **Manikandan R** – Underwent industrial training at **Trichy Electricity Distribution Circle, Mannarpuram, Trichy – 620 020**, from **21.07.2025 to 25.07.2025**.
- **Navin P** – Underwent industrial training at **Trichy Electricity Distribution Circle, Mannarpuram, Trichy – 620 020**, from **21.07.2025 to 25.07.2025**.
- **Sheik Abdullah S** – Underwent industrial training at **Trichy Electricity Distribution Circle, Mannarpuram, Trichy – 620 020**, from **21.07.2025 to 25.07.2025**.
- **Syed Imran S N** – Underwent industrial training at **Trichy Electricity Distribution Circle, Mannarpuram, Trichy – 620 020**, from **21.07.2025 to 25.07.2025**.
- **Baskar N** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Harish Kumar M** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Kailash Kumar V** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Pradeesh R** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Siva V** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Anshari Basha S** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Kamaludeen Ahamed H** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.

- **Mohamed Barvis A** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Pragathiswaran P** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Syed Emadhu Deen M** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Monica A** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Bhavadharani R** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Jayavarshini G** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Lakshmi B** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Nirmala B** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Mahalakshmi B** – Underwent industrial training at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy – 620 015**, from **21.07.2025 to 02.08.2025**.
- **Rogan Prasath M V** – Underwent industrial training at **High Energy Batteries (India) Limited, Mathur, Trichy – 622 515**, from **28.07.2025 to 02.08.2025**.

STUDENTS INTERNSHIP

- **Allwin Albert J** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Anbuselvan S** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Jagadeeswaran M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Karthikeyan S** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Mohamed Aqil R** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.

- **Mohamed Hasan J** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Mohamed Jameel M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Mohamed Nowsath Ali A** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Mohamed Rizvan M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Nelson E** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Nishvanth S** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Ponvasanthu S** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Senthamilselvan S** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Sevakraj P** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Sridhar M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Vasith Rahuman M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Vigneshwaran T** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Abdul Jabbar A** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Asif Mohamed R** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.

- **Gowtham M** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.

FACULTY PARTICIPATION AS A RESOURCE PERSON

- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Emerging Semiconductor Technologies for IoT and AI Applications**” held from **27.12.2024 to 31.12.2024** at **SJC Institute of Technology**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**AI Tools for Teaching**” held from **20.01.2025 to 24.01.2025** at **Agurchand Manmull Jain College, Chennai**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Research Paper Methodology in Proposal Writing and How to Publish Paper in Scopus Journal**” held on **09.01.2025** at **Sancheti College of Arts, Commerce and Science, Pune**, organized by **Pencil Bitz Organization**.

CONFERENCE/ JOURNAL/ PUBLICATION

1. **J. Sherrin Banu, M. Kokilavani, Dr. M. Murugesan, and S. Nirmal Kumar** presented a paper on “**Smart Agriculture Monitoring System Using PLC and IoT**” at the **National Conference on Innovations in Science, Technology, Agriculture & Healthcare Application (NC-ISTAH-2024)** organized by **Nehru Institute of Technology, Coimbatore, TamilNadu**, with **ISBN: 978-93-341-0270-3, Pg.85**.

PATENT PUBLICATION

- **Mrs. J. Sherrin Banu** – **Solar Powered Multi Stage Protection for Electrical Yard or Panel Room Using IoT – A Low Cost Solution**, Application No. **202441086713**, was published on **11.11.2024**.
- **Mrs. J. Sherrin Banu** – **IoT-Driven Smart Irrigation System with Predictive Water**, Application No. **441440-001**, was published on **20.12.2024**.

BOOKS/BOOK CHAPTERS/PATENT PUBLICATION

M.K. Mohamed Faizal S. Geetha Dr. S. Sarojini Mary J. Sherrin Banu, published a book on the title “**INTERNET OF THINGS**”, in **Charulatha Publications** with **ISBN-13: 978-93-6260-970-0** in the year **2024**.

FACULTY NPTEL/MOOCs COURSE

- Mrs. B. Muthuselvi successfully completed the course “Machine Learning and Deep Learning – Fundamentals and Applications” offered by AICTE.
- Mrs. T. Jayanthi successfully completed the AICTE course.
- Dr. V. Sivakami successfully completed the AICTE course and obtained an ELITE grade.

FACULTY PARTICIPATION IN FDP's and STTP's

- **J. Sherrin Banu** – Participated in the event “**Emerging Technologies in Power Energy: Shaping the Future of Sustainable Solutions**” organized by **Dream Institute of Technology, Kolkata**, from **19.11.2024 to 23.11.2024**.
- **D. Akshayaa** – Participated in the event “**Emerging Technologies in Power Energy: Shaping the Future of Sustainable Solutions**” organized by **Dream Institute of Technology, Kolkata**, from **19.11.2024 to 23.11.2024**.
- **J. Sherrin Banu** – Participated in the event “**Advanced AI Tools for Preparing Research Papers**” organized by **Sasi Institute of Technology and Engineering, Andhra Pradesh**, from **08.11.2024 to 09.11.2024**.
- **V. Bhuvenshwari** – Participated in the event “**Advanced AI Tools for Preparing Research Papers**” organized by **Sasi Institute of Technology and Engineering, Andhra Pradesh**, from **08.11.2024 to 09.11.2024**.
- **J. Sherrin Banu** – Participated in the event “**Robotics and Industrial Automation**” organized by **Chaitanya Bharathi Institute of Technology (A), Hyderabad**, from **04.11.2024 to 09.11.2024**.
- **V. Bhuvenshwari** – Participated in the event “**Robotics and Industrial Automation**” organized by **Chaitanya Bharathi Institute of Technology (A), Hyderabad**, from **04.11.2024 to 09.11.2024**.
- **D. Akshayaa** – Participated in the event “**Robotics and Industrial Automation**” organized by **Chaitanya Bharathi Institute of Technology (A), Hyderabad**, from **04.11.2024 to 09.11.2024**.
- **Mrs. B. Muthuselvi** – Participated in the event “**Robotics and Industrial Automation**” organized by **Chaitanya Bharathi Institute of Technology (A), Hyderabad**, from **04.11.2024 to 09.11.2024**.

- **Mrs. T. Jayanthi** – Participated in the event “**Robotics and Industrial Automation**” organized by **Chaitanya Bharathi Institute of Technology (A), Hyderabad**, from **04.11.2024 to 09.11.2024**.

SPONSORED RESEARCH

- ❖ Mrs. J. Sherrin Banu successfully completed the project titled “**Neural Network Based Adaptive Power Management System in IoT Devices**” in the EEE Department with the support of Marcello Tech for a duration of six months, with a sanctioned amount of Rs. 1,50,000/-.
- ❖ Mrs. J. Sherrin Banu successfully completed the project titled “**Solar Powered Multi-Stage Protection for Electrical Yard or Panel Room using IoT – A Low-Cost Solution**” in the EEE Department with the support of Sri Chellam Industries for a duration of six months, with a sanctioned amount of Rs. 1,50,000/-.



CONSULTANCY WORK

- ❖ Dr. E. Muthukumaran and D. Tamilselvan successfully completed the project titled “Electrification Work & Design of Circuit Systems in Super Market” in the EEE Department with the support of Kannan Super Market, Kallakurichi, for a duration of one year, with a sanctioned amount of Rs. 4,00,000/-.
- ❖ Dr. E. Muthukumaran and B. Muthuselvi successfully completed the project titled “Solar Power Irrigation System for Sustainable Agriculture” in the EEE Department with the support of Mr. Sivalingam, Agriculturist, for a duration of six months, with a sanctioned amount of Rs. 1,00,000/-.



SEED MONEY

- Mrs. J. Sherrin Banu successfully completed the project titled “Electronic Medicine Dispenser” over a period of six months, with a sanctioned amount of Rs. 60,000/-, of which Rs. 52,530/- was utilized, resulting in the successful development of a working model.
- Mr. S. Pandiarajan successfully completed the project titled “Automatic Vehicle Control by Identifying Alcohol in a Motorist’s Breath” over a period of six months, with a sanctioned amount of Rs. 50,000/-, of which Rs. 49,900/- was utilized, resulting in the successful development of a prototype.
-

- Dr. S. Sarojini Mary successfully completed the project titled “Enhanced Power Generation from Piezoelectric Technology using DC-DC Converter” over a period of six months, with a sanctioned amount of Rs. 50,000/-, of which Rs. 48,490/- was utilized, resulting in the successful development of a prototype.



EDITORIAL BOARD**CHIEF EDITOR: Dr.E. Muthukumaran****CO-EDITORS: J.Sherrin Banu****K. Bhuvaneswari****STUDENTS EDITOR****D.Sibin Sanjeevi II YEAR****B.Lakshmi IIEAR****S.N.Syed Imran III YEAR****R.Santhiya III YEAR****M.Gowtham IV YEAR****Abusheik IV YEAR****PUBLISHED DATE: 20 MAY 2025**

