

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

EEE NEWSLETTER

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**EEE NEWSLETTER 2K24 - VOLUME-12, ISSUE-2****2024-2025- EVEN 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



Resource Person delivering valuable insights



A seminar on the topic “**Government Schemes for Entrepreneurs to Start MSME**” was conducted on **07.05.2025** at the ‘B’ Block Seminar Hall. A total of 60 students participated in the programme. The resource person for the seminar was **Mr. M. Ramalingam, Joint Director/General Manager, District Industry Centre, Tiruchirappalli**, who provided valuable insights into various government schemes and opportunities available for entrepreneurs to establish and develop MSMEs.

VALUE ADDED COURSE



Resource Person training the students



A Hands-On Training on Electrical Software was conducted from **21.05.2025 to 30.05.2025**, from **09:00 AM to 5:00 PM**, at the **Simulation Lab**. A total of 60 students participated in the training programme. The resource person was **Ms. J. Sherrin Banu, Assistant Professor, Department of Electrical and Electronics Engineering**, who provided practical training and hands-on experience in various electrical software tools, enabling the students to enhance their technical skills and practical knowledge.

STUDENTS PARTICIPATION IN PROFESSIONAL ACTIVITIES

- **M. Harish Kumar** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **H. Kamaludeen Ahamed** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **A. Mohamed Barvis** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **S. Sheik Abdullah** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **V. Siva** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **M. Syed Emadhudeen** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **S. N. Syed Imran** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **M. V. Rogan Prasath** – Participated in the **National-level Paper Presentation** at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.

STUDENTS PARTICIPATION IN EXTRA CURICULAR ACTIVITIES

- **R. Santhiya** – Participated in the **National-level State Management Meet, “LAKSHYA 2K25 – Corporate Show”** organized by SCE, Trichy on **22.02.2025**.
- **R. Ushalini** – Participated in the **National-level State Management Meet, “LAKSHYA 2K25 – Corporate Show”** organized by SCE, Trichy on **22.02.2025**.
- **S. Pabitha** – Participated in the **National-level “Sirpika 2K25 – Art & Craft”** event organized by M.I.E.T. Engineering College, Trichy on **07.03.2025**.
- **A. Monica** – Participated in the **National-level “Sirpika 2K25 – Art & Craft”** event organized by M.I.E.T. Engineering College, Trichy on **07.03.2025**.
- **S. Pabitha** – Participated in the **National-level “Sirpika 2K25 – Art & Craft”** event organized by M.I.E.T. Engineering College, Trichy on **07.03.2025**.

- **A. Monica** – Participated in the **National-level “Sirpika 2K25 – Art & Craft”** event organized by M.I.E.T. Engineering College, Trichy on **07.03.2025**.
- **S. Anbuselvan** – Participated in the **National-level TECHFEST–2025, DUMB C** event organized by Oasys Institute of Technology, Trichy on **14.03.2025**.
- **S. Karthikeyan** – Participated in the **National-level TECHFEST–2025, DUMB C** event organized by Oasys Institute of Technology, Trichy on **14.03.2025**.
- **K. Jagadeeswaran** – Participated in the **National-level TECHFEST–2025, IPL Auction** event organized by Oasys Institute of Technology, Trichy on **14.03.2025** and secured **I Prize**.
- **E. Nelson** – Participated in the **National-level TECHFEST–2025, IPL Auction** event organized by Oasys Institute of Technology, Trichy on **14.03.2025**.
- **S. Nishvanth** – Participated in the **National-level TECHFEST–2025, IPL Auction** event organized by Oasys Institute of Technology, Trichy on **14.03.2025**.
- **H. Kamaludeen Ahamed** – Participated in **“Connectricals & Brain Rush”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **S. Sheik Abdullah** – Participated in **“Connectricals & Brain Rush”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **M. Syed Emadhudeen** – Participated in **“Connectricals & Brain Rush”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **S. N. Syed Imran** – Participated in **“Connectricals & Brain Rush”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **M. V. Rogan Prasath** – Participated in **“Connectricals”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **V. Siva** – Participated in **“Connectricals”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.
- **M. Harish Kumar** – Participated in **“Connectricals”** at the National-level Technical Symposium **“AVESHA’25”**, UCE, BIT Campus, AU, Trichy on **25.04.2025**.

FACULTY PARTICIPATED AS A RESOURCE PERSON

- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Cyber Security**” held on **06.04.2025** at **P.A.S College**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Cyber Security for Cloud-Based Applications**” held from **25.03.2025** to **29.03.2025** at **Visakha Institution of Engineering and Technology**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Data Science AI: Transforming Tools for Teaching and Research**” held from **24.03.2025** to **28.03.2025** at **Kongunadu College of Engineering and Technology**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Generative AI Applications in Engineering**” held on **28.03.2025** at **United Institute of Technology**, organized by **Pencil Bitz Organization**.
- **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 **Book Bytes 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 “**AI-Driven Cyber Security for Smart Devices**” held from **03.03.2025** to **07.03.2025** at **Sri Kanya Parameswari Arts and Science College for Women**, organized by **Pencil Bitz Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Business Analytics**” held from **17.02.2025** to **21.02.2025** at **K.G. Reddy College of Engineering and Technology**, organized by **Book Bytes Organization**.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “**Generative Artificial Intelligence in Engineering**” held from **08.03.2025** to **13.03.2025** at **Joginpally B.R. Engineering College**, organized by **Book Bytes 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 Book Bytes Organization.

- **Dr. V. Sivakami** – Participated as a resource person in the “Constitution of Screening & Evaluation Committee for Low-Carbon Footprint Solutions/Technologies Theme” held from 27.06.2025 to 31.07.2025 at M.I.E.T. Engineering College, organized under MSME Idea Hackathon 5.0.
- **Mrs. J. Sherrin Banu** – Participated as a resource person in the STTP/FDP on “AI Tools for Teaching” held on 17.04.2025 at Sengunthar College of Engineering, organized by Pencil Bitz Organization.

CONFERENCE

- **J. Sherrin Banu, M. Kokilavani, Dr. M. Murugesan, and S. Nirmal Kumar** presented a paper on “Intelligence Agriculture Monitoring System using PLC and IoT” at the 2nd International Conference on New Trends in Science, Technology, & Management (ICNTSETM -2025), HELD ON 25th & 26th April 2025 organized by P.S.V. College of Engineering, Technology, Krishnagiri, Tamil Nadu.

PATENT PUBLICATION

- **Mrs. J. Sherrin Banu** – Patent titled “Neural Network-Based Adaptive Power Management System in IoT Devices”, Application No. 202541045290, was published.

BOOKS/BOOK CHAPTERS/PATENT PUBLICATION

- **Dr. A. Suresh Kumar, Dr. S.V. Tresa Sangeetha, Dr. Shiny M.I., J. Sherrin Banu**, published a book on the title “BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING”, in Charulatha Publications with ISBN-“978-93-6260-034-9” in year 2025.

FACULTY NPTEL/MOOCs COURSE

- **Dr. V. Sivakami** successfully completed the course “Advance Power Electronics and Control” offered by Skill India and obtained an ELITE grade.
- **Dr. V. Sivakami** successfully completed the course “Design of Power Electronic Converters” offered by Skill India.
- **Dr. V. Sivakami** successfully completed the course “Machine Learning and Deep Learning – Fundamentals and Applications” offered by AICTE.
- **Dr. V. Sivakami** successfully completed the course “Fundamentals of Artificial Intelligence” offered by AICTE and obtained an ELITE grade.
- **Dr. E. Muthukumaran** successfully completed a course offered by AICTE.
- **Mr. S. Pandiarajan** successfully completed a course offered by AICTE and obtained an ELITE grade.
- **Mrs. B. Muthuselvi** successfully completed a course offered by AICTE and obtained an ELITE grade.

- Mrs. K. Sarasvathi successfully completed a course offered by AICTE.
- Mr. S. Pandiarajan successfully completed the course “Electric Vehicles” offered by AICTE.
- Mrs. B. Muthuselvi successfully completed a course offered by AICTE.
- Dr. E. Muthukumaran successfully completed the course “NBA” offered by AICTE and obtained an ELITE grade.
- Mrs. J. Sherrin Banu successfully completed the course “Solar Panel Installation Technician” offered by Skill India.
- Mrs. J. Sherrin Banu successfully completed the course “Kisan Drone Operator” offered by Skill India.
- Mrs. J. Sherrin Banu successfully completed the course “Web Design & Development” offered by Skill India.
- Mrs. J. Sherrin Banu successfully completed the course “Video Editing Basics” offered by Skill India.
- Mrs. J. Sherrin Banu successfully completed the course “Introduction to Graphic Design with Photoshop” offered by Great Learning.
- Mrs. J. Sherrin Banu successfully completed the course “Arduino Vs Raspberry Pi” offered by Great Learning.
- Mrs. J. Sherrin Banu successfully completed the course “Arduino” offered by Spoken Tutorial.
- Mr. D. Tamilselvan successfully completed the course “NBA Accreditation & Teaching and Learning in Engineering” offered by AICTE and obtained an ELITE grade.

FACULTY PARTICIPATION IN FDP'S AND STTP'S

- Mrs. J. Sherrin Banu – Participated as a resource person in the STTP/FDP on “Cyber Security” held on 06.04.2025 at P.A.S College, organized by Pencil Bitz Organization.
- Mrs. J. Sherrin Banu – Participated as a resource person in the STTP/FDP on “Cybersecurity for Cloud-Based Applications” held from 25.03.2025 to 29.03.2025 at Visakha Institution of Engineering and Technology, organized by Pencil Bitz Organization.
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- Mrs. J. Sherrin Banu – Participated as a resource person in the STTP/FDP on “Generative AI Applications in Engineering” held on 28.03.2025 at United Institute of Technology, organized by Pencil Bitz Organization.
- Dr. E. Muthukumaran – Participated as a resource person in the STTP/FDP on “Artificial Intelligence & Machine Learning Models for Real World Application using Altair AI Studio

Tools” held from 06.02.2025 to 10.02.2025 at Sri Bharathi Engineering College for Women, organized by Marcello Tech, Trichy.

- **Mrs. B. Muthuselvi – Participated as a resource person in the STTP/FDP on “Artificial Intelligence & Machine Learning Models for Real World Application using Altair AI Studio Tools” held from 06.02.2025 to 10.02.2025 at Sri Bharathi Engineering College for Women, organized by Marcello Tech, Trichy.**
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- **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.**
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- **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 Book Bytes Organization.**
- **Dr. V. Sivakami – Participated as a resource person in the “Internal Hackathon” held on 06.09.2024 and 09.09.2024 at M.I.E.T. Engineering College, organized under Smart India Hackathon 24.**
- **Dr. V. Sivakami – Participated as a resource person in the “Constitution of Screening & Evaluation Committee for Low-Carbon Footprint Solutions/Technologies Theme” held from 27.06.2025 to 31.07.2025 at M.I.E.T. Engineering College, organized under MSME Idea Hackathon 5.0.**

- **Dr. S. Sarojini Mary** – Participated as a resource person in the STTP/FDP on “**Enhanced Power Generation from Plants: Plant-e Technology Using High Voltage Gain DC-DC Converter Topology**” held on **26.12.2024** at **Senguthar Engineering College**.

FACULTY MEMBER'S PARTICIPATION IN STTP'S/FDP'S

- **Mrs. J. Sherrin Banu** – Participated in the FDP on “**Exploring Sustainable Horizons in Renewable Energy and Electric Vehicles**” organized by **PSNA College of Engineering and Technology** from **01.04.2024** to **05.04.2024**.
- **Mrs. J. Sherrin Banu** – Participated in the FDP on “**Applied Cloud Computing for Full Stack Web Development**” organized by **ATAL** from **05.02.2024** to **09.02.2024**.
- **Mr. S. Nirmal Kumar** – Participated in the FDP on “**Exploring Sustainable Horizons in Renewable Energy and Electric Vehicles**” organized by **PSNA College of Engineering and Technology** from **01.04.2024** to **05.04.2024**.
- **Ms. K. Bhuvaneswari** – Participated in the FDP on “**Exploring Sustainable Horizons in Renewable Energy and Electric Vehicles**” organized by **PSNA College of Engineering and Technology** from **01.04.2024** to **05.04.2024**.
- **Ms. D. Akshayaa** – Participated in the FDP on “**Exploring Sustainable Horizons in Renewable Energy and Electric Vehicles**” organized by **PSNA College of Engineering and Technology** from **01.04.2024** to **05.04.2024**.

Editorial Board**Chief Editor:** Dr.E.Muthukumaran**Co-Editors:** J.Sherrin Banu
K.Bhuvaneswari**Student's Team**

Sibin Sanjeev D	II YEAR
Lakshmi B	II YEAR
Syed Imran S N	III YEAR
Santhiya R	III YEAR
Gowtham M	IV YEAR
Abusheik	IV YEAR

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