



ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER 2K23

VOLUME: 11
ISSUE:2



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

EEE NEWSLETTER 2K23 - VOLUME-11, ISSUE-2

2023-2024- 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 Programmer (B.E) in Electrical and Electronics Engineering and Post-Graduate Programmer (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.

STUDENT PARTICIPATION IN PROFESSIONAL EVENTS

- **J. Julie Clint** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **L. Bhavadharini** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **V. Varshini** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **K. Nivedha** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **G. Yuvashri** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **Akash** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level **from 26.02.2024 to 01.03.2024**.
- **L. Hariharan** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024**.
- **S. Anwar Hussain** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”,

organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024.**

- **S. Dinesh Kumar** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024.**
- **Mohamed Hussain** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024.**
- **S. Karthikeyan** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024.**
- **S. Ponvasanthu** participated in the 5-Day Short Term Course on “**Artificial Intelligence and Machine Learning Techniques for Engineering Applications – Theory and Practice**”, organized by the National Institute of Technology, Puducherry, at the National level from **26.02.2024 to 01.03.2024.**
- **S. Revathi** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Paper Presentation**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024.**
- **S. Revathi** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Technical Quiz**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024.**
- **P. Kalingeswari** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Paper Presentation**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024.**
- **P. Kalingeswari** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Technical Quiz**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024.**

- **R. Ranjani** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Paper Presentation**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024**.
- **R. Ranjani** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Technical Quiz**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024**.
- **N. Ramyadharsini** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Paper Presentation**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024**.
- **N. Ramyadharsini** participated in the National Level Technical Symposium – **DEEKSHI TECHFEST 2024 – Technical Quiz**, organized by Sudharsan Engineering College, Pudukkottai, on **15.03.2024**.
- **K. Sivasankar** secured First Prize in the State Level **Technical Symposium KRYPTO'24**, organized by K. Ramakrishnan College of Engineering, Trichy, on **20.03.2024**.
- **S. Mohamed Irfan** secured **First Prize** in the State Level **Technical Symposium KRYPTO'24**, organized by K. Ramakrishnan College of Engineering, Trichy, on **20.03.2024**.
- **G. Yuvaraj** participated in the State Level **Technical Symposium KRYPTO'24**, organized by K. Ramakrishnan College of Engineering, Trichy, on **20.03.2024**.
- **Kesavan** secured Second Prize in the State Level **Technical Symposium TECHKNOWSAFE-2K24**, organized by National Fire and Safety College, Karaikudi, on **05.04.2024**.
- **Gulzar Ahamed** secured Second Prize in the State Level **Technical Symposium TECHKNOWSAFE-2K24**, organized by National Fire and Safety College, Karaikudi, on **05.04.2024**.
- **Abishegan** secured Second Prize in the State Level **Technical Symposium TECHKNOWSAFE-2K24**, organized by National Fire and Safety College, Karaikudi, on **05.04.2024**.

DETAILS OF STUDENT'S PARTICIPATION IN MOOC/SELF LEARNING COURSES

- **Alparvesh Ibrahim**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **AnshariBasha S**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Baskar N**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Dhanush B**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Harishkumar M**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Kailaskumar V**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Kalantharasan V**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **KamaludeenAhamed H**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Manikandan R**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Mohamed Barvis A**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.

- **Mohammedzaidh F**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Navin P**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Pabitha S**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Pradeesh R**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Pragathiswaran P**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Santhiya R**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Sathick Manzoor S**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Sheik Abdullah S**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Siva V**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Subhashree A**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.

- **Surendran B**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Syed EmadhuDeen M**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Syed Imran S N**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Ushalini R**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Monica A**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.
- **Rogan Prasatham Y**, a Fourth Semester student of the Department of Electrical and Electronics Engineering (EEE), successfully completed the “**Microsoft Essentials – Microsoft**” course under the “**Self-Learning Courses (Naan Mudhalvan)**” category.

STUDENT INTERNSHIPS

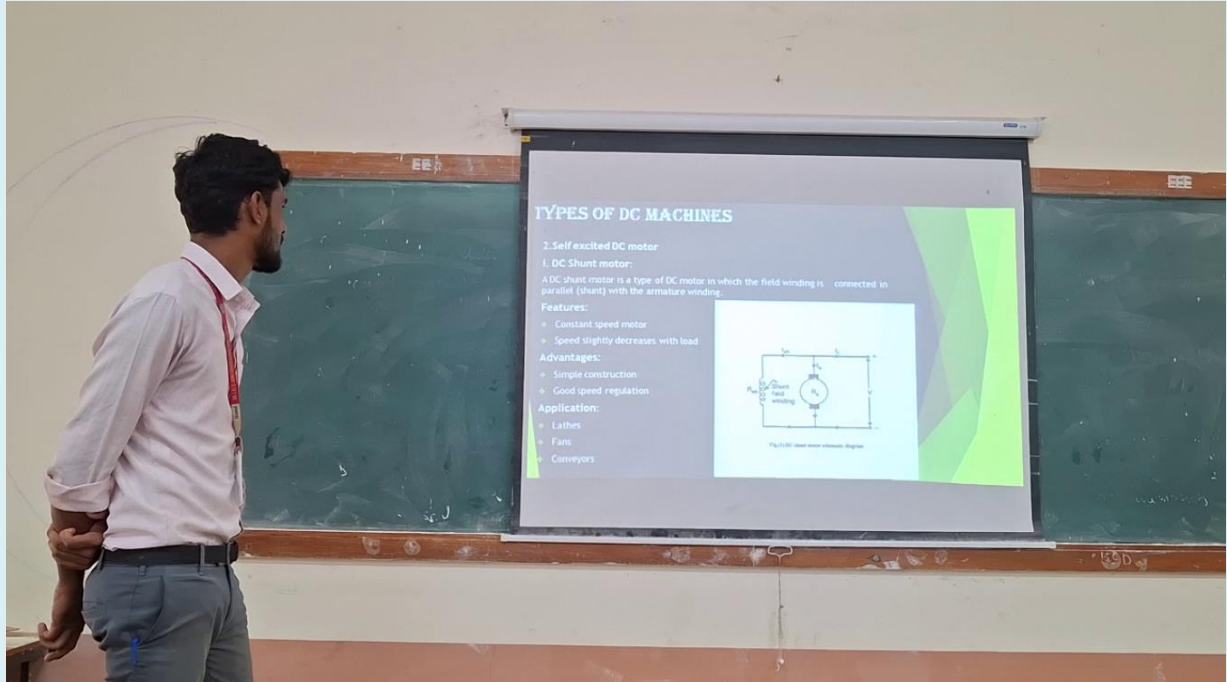
- **M. Mohammed Parvesh** completed an internship at **AVM Engineering Industry, Avarampalayam, Coimbatore**, from **17.07.2023 to 31.07.2023**.
- **R. Mohamed Irfan** completed an internship at **AVM Engineering Industry, Avarampalayam, Coimbatore**, from **17.07.2023 to 31.07.2023**.
- **D. Mohamed Ismail** completed an internship at **AVM Engineering Industry, Avarampalayam, Coimbatore**, from **17.07.2023 to 31.07.2023**.
- **N. Mohamed Hany** completed an internship at **AVM Engineering Industry, Avarampalayam, Coimbatore**, from **17.07.2023 to 31.07.2023**.
- **S. Saddiq Ali** completed an internship at **AVM Engineering Industry, Avarampalayam, Coimbatore**, from **17.07.2023 to 31.07.2023** .

- **K. Nivedha** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**.
- **L. Bhavadharini** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**
- **S. Anwar Hussain** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**.
- **A. Akash** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**.
- **J. Atchaya Deepan** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**
- **J. Julieclinta** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**
- **M. Vigneshwaran** completed an internship at **Lakshmi Electrical Works, PU-1 Electrical & Electronics Industrial Estate, Thuvakudi, Trichy**, from **20.07.2023 to 03.08.2023**.

SEMINAR PRESENTED BY STUDENTS

- **S. Revathi** presented a seminar on “**Wireless Power Transmission Technology**”, explaining the principles, methods, applications and recent developments in wireless power transfer systems.
- **P. Kalingeswari** presented a seminar on “**Rooftop Solar Power**”, focusing on solar photovoltaic systems, rooftop installation, energy generation, advantages and applications in residential and commercial buildings.
- **R. Ranjani** presented a seminar on “**Renewable Energy Sources**”, covering solar, wind, biomass, hydro and other renewable energy technologies and their importance in sustainable power generation.
- **N. Ramyadharsini** presented a seminar on “**Generative AI in Electronics**”, highlighting the applications of artificial intelligence in electronic system design, automation, circuit development and intelligent engineering solutions.
- **K. Sivasankar** presented a seminar on “**Nanocrystalline Cores**”, explaining their properties, advantages, applications in transformers and power electronic devices, and their role in improving magnetic performance.

- **S. Mohamed Irfan** presented a seminar on “**Humanoid Robots**”, discussing robotic structure, sensors, control systems, artificial intelligence and applications of humanoid robots in various sectors.
- **G. Yuvasbri** presented a seminar on “**Li-Fi Technology**”, explaining visible light communication, data transmission using LED light, advantages over conventional wireless communication and its applications.
- **B. Kesavan** presented a seminar on “**Solar Mobile Charger**”, describing the use of solar photovoltaic energy for portable charging applications and highlighting its benefits as an eco-friendly power source.
- **B. Gulzar Ahamed** presented a seminar on “**FinFET Transistor Technology**”, focusing on FinFET structure, working principle, advantages, reduced leakage current and its applications in modern semiconductor devices.
- **D. Abishegan** presented a seminar on “**Witricity – Wireless Electricity**”, explaining resonant wireless power transfer, its operating principle, advantages and potential applications in electric vehicle charging and consumer electronics.



Students presenting technical seminar topics

LIST OF FACULTY MEMBER'S AS RESOURCE PERSON IN STTP/FDP EVENTS

- **Dr. V. Sivakami** served as a resource person for the programme on **“Entrepreneurship Promotion Activity on Pillars of Design Thinking”** held on **30.04.2024** at **M.I.E.T. Engineering College**, organized by the **Institution Innovation Council**.
- **Mrs. T. Jayanthi** served as a resource person for the programme on **“Recent Trends in Control System and Its Applications”** held on **02.02.2024** at **Er. Perumal Manimekalai College of Engineering**.
- **Mrs. B. Muthuselvi** served as a resource person for the STTP/FDP on **“Cloud Computing and AI Integration”** held from **10.02.2024** to **14.02.2024** at **Sathyabama Institute of Science and Technology**, organized by **Marcello Tech**.

PATENT PUBLICATION

1. **Mrs. J. Sherrin Banu** has completed and published the project titled **“Solar Powered Multi-Stage Protection for Electrical Yard or Panel Room Using IoT – A Low-Cost Solution.”**
2. **Mrs. J. Sherrin Banu** has completed and published the project titled **“IoT Driven Smart Irrigation System with Predictive Water.”**
3. **Mrs. J. Sherrin Banu** has completed and published the project titled **“Neural Network-Based Adaptive Power Management System in IoT Devices.”**
4. **Dr. E. Muthukumaran** has completed and published the project titled **“Design and Fabrication of Emergency Water Line Pipe Connector for Industrial Water Line Pipes.”**

GUEST LECTURES / WORKSHOPS / VALUE ADDED COURSES

- Guest Lecture on “Recent Trends in Power Generation, Transmission and Distribution” was conducted with Er. S. Samivel, M.E., Assistant Engineer, Kuttalam Gas Power Plant TNEB as the resource person.



Inaugural Address by Dr.E. Muthukumaran, HoD/EEE



**Chief Guest address by Er. S. Samivel, M.E., Assistant Engineer,
Kuttalam Gas Power Plant TNEB as the resource person.**



Interaction with students in Guest lecture

- Inauguration of IETE Professional Society and One-Day Seminar on “Applications of Motor in Industries & Home Appliances” was conducted on 14.03.2024, with the CEO, AVM Pumps / Director-IQAC, Park College of Engineering and Technology, Coimbatore as the resource person.



Head of the Department addressing the students



Students receiving IETE membership certificate

- Guest Lecture on “Renewable Energy Concepts and Applications in Industry & Domestic Sector” was conducted on 05.04.2024, with Dr. N. Stalin, Anna University – BIT Campus, Trichy as the resource person.



Inaugural Address by Dr.E. Muthukumaran, HoD/EEE



Chief Guest address by Dr. N.Stalin, M.Tech., Ph.D.,



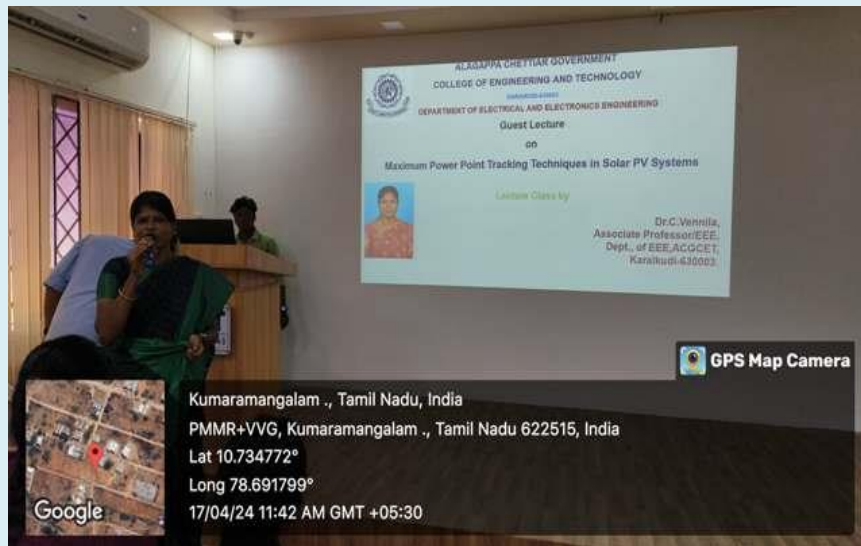
Interaction with students in Guest lecture

Dr. N. Stalin Anna University BIT Campus, Trichy as the resource person.

- **Guest Lecture on “Maximum Power Point Tracking Techniques in Solar PV Systems”** was conducted on **17.04.2024**, with **Dr. C. Vennila, Alagappa Chettiar Government College of Engineering and Technology, Karaikudi** as the resource person.



Inaugural Address by Dr.E. Muthukumaran, HoD/EEE



Chief Guest address by Dr.C.Vennila, M.E., Ph.D

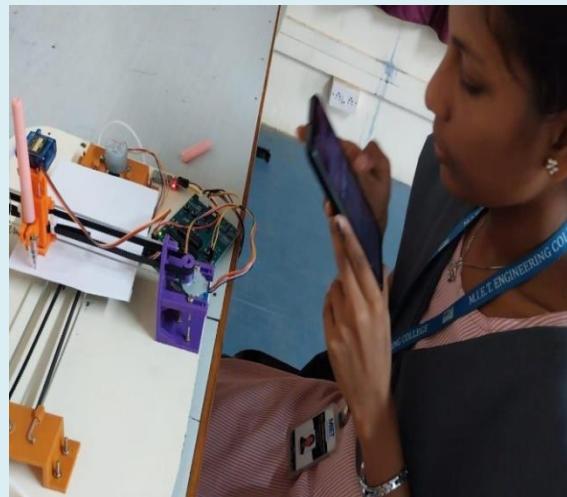
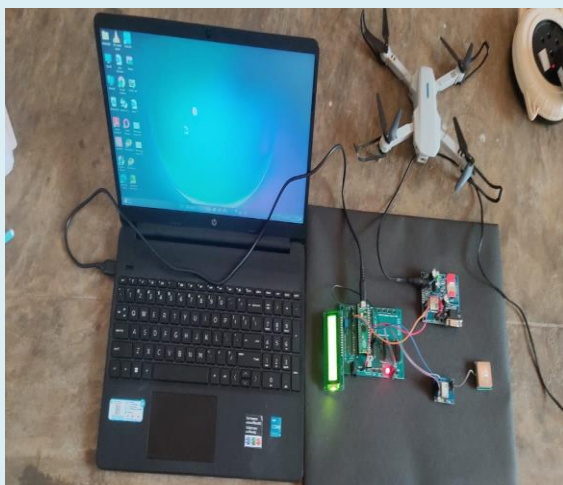


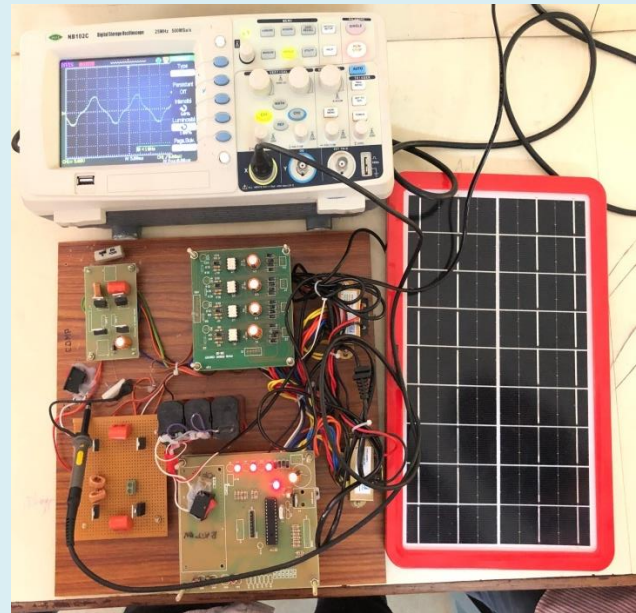
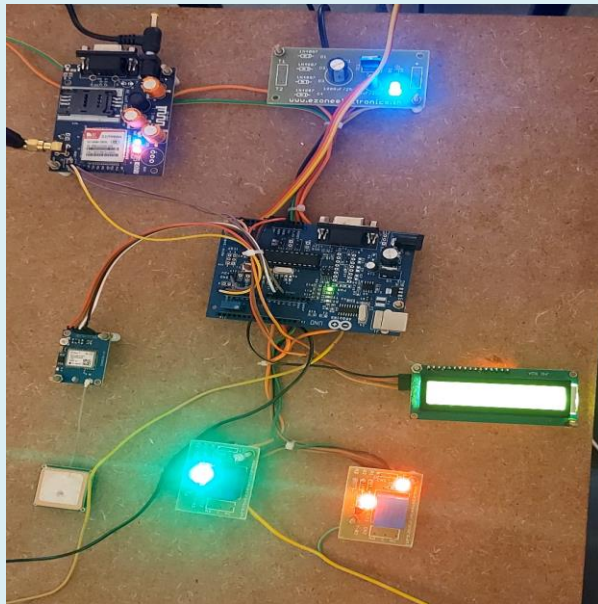
Interaction with students in Guest lecture

STUDENT PROJECTS

- **J. Julieclinta** developed the project “**AI Enabled Drone to Track the Human Movement during Disaster**” under the guidance of **Dr. E. Muthukumaran**. The project was categorized as an **Application**.
- **V. Varshini, G. Yuvashri and K. Anusuya** developed the project “**Design and Development of Writing Robot using Speech Process**” under the guidance of **B. Muthuslevi**. The project was categorized as a **Product**.
- **K. Nivedha, M. Sangavi, L. Bhavadharini and V. Lakshmi** developed the project “**Vortex Type Bladeless Windmill**” under the guidance of **S. Pandiarajan**. The project was categorized as **Research**.
- **R. Rajasri, P. Poorani and N. Mohamed Hany** developed the project “**Hand Gesture Control Wheelchair with Obstacle and Fall Detection**” under the guidance of **Dr. E. Muthukumaran**. The project was categorized as a **Product**.
- **S. Thirumurugan, M. Vigneshwaran, G. Ramkumar and R. Mohamed Mukthar** developed the project “**Power Generation using Speed Breaker and Charging the EVs through Non-Touch Mode**” under the guidance of **B. Muthuslevi**. The project was categorized as **Research**.
- **S. Dhinesh Kumar, L. Rajasekar, G. Veeramanikandan, J. Atchaya Deepan, L. Hariharan and A. Kumaran** developed the project “**Digital Twin Based Real-Time Vision System for Transformer Monitoring and Rectification**” under the guidance of **D. Jayaraj**. The project was categorized as an **Application**.
- **A. Mohamed Sikkandar and A. Akash** developed the project “**An Enhanced Model for Detecting Overhead Transmission Line Faults**” under the guidance of **S. Pandiarajan**. The project was categorized as **Research**.
- **A. Mohamed, M. Mohamed Parvesh, A. S. Ubayathulla and D. Mohammed Ismail** developed the project “**Fuzzy Logic Controlled Boost Inverter with STATCOM to Improve Power Quality in Grid**” under the guidance of **D. Jayaraj**. The project was categorized as **Research**.
- **S. Mohamed Irfan, U. Ragunathan, K. Sivasankar and J. Abdul Jamees** developed the project “**Transmission of Video Over Visible Light using Li-Fi**” under the guidance of **K. Sarasvathi**. The project was categorized as an **Application**.

- **B. Abdulrahman, A. Syeedkhan, Shaikh Majid Selva, S. Mohamed and A. Saravanakumar** developed the project “**Distribution Systems Reconfiguration using PSO Based Simulation on Python**” under the guidance of **D. Tamilselvan**. The project was categorized as **Research**.
- **T. Suriya, B. Suriya Prakash, S. Dinesh and J. Aabith Hussain** developed the project “**An Automated Solar Tracking for Irrigation System**” under the guidance of **T. Jayanthi**. The project was categorized as an **Application**.
- **S. Shaik Salman, S. Sheik Dawood, S. Shifaeth Ali and D. Abishegan** developed the project “**Design of Railway Platform for Accident Prevention**” under the guidance of **Dr. V. Sivakami**. The project was categorized as an **Application**.
- **B. Gulzar Ahamed, J. Joswarajan, B. Kesavan and B. Ayyappan** developed the project “**Design of Solar Car with Battery and Real-Time Access**” under the guidance of **Dr. V. Sivakami**. The project was categorized as a **Product**.
- **S. Keerthi Kumar, R. Praveen Kumar, T. Steephan and P. Arshath Mohamed** developed the project “**Detachable Conversion Kit for Manual Wheelchair to Electrical Trike**” under the guidance of **D. Tamilselvan**. The project was categorized as a **Product**.
- **V. Prabakaran, M. S. Saadiq Ali, R. Sriram Kumar and R. Manoj** developed the project “**Smart City Energy Management System**” under the guidance of **J. Sherrin Banu**. The project was categorized as an **Application**.





Students Project Prototype

Faculty Book Chapter / Book publication

- **Dr. S. Sarojini Mary** authored the book “**Internet of Things**”, published by **Charulatha Publications** in **November 2024**, with **ISBN-13: 978-93-6260-970-0**.
- **J. Sherrin Banu** authored the book “**Basic Electrical and Electronics Engineering**”, published by **Charulatha Publications** in **February 2025**, with **ISBN: 978-93-6260-034-9**.
- **J. Sherrin Banu** also authored the book “**Internet of Things**”, published by **Charulatha Publications** in **November 2024**, with **ISBN-13: 978-93-6260-970-0**.

EDITORIAL BOARD

CHIEF EDITOR: Dr.E.Muthukumaran

CO-EDITORS: Dr.V.Sivakami

S.Pandiarajan

STUDENT EDITOR

S.Sathik Manzoor	II YEAR
V.Siva	II YEAR
P.Sevakraj	III YEAR
R.Mohamed Aqil	III YEAR
K.Anusuya	IV YEAR
B. Abdul Rahman	IIVYEAR

DATE OF PUBLICATION: 23.09.2024

