

M.I.E.T.ENGINEERING COLLEGE (AUTONOMOUS), TRICHY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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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 S

ystem 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.

MESSAGES



Er. A. Mohamed Yunus, B.E., M.Sc.(Engg.)
Chairman

Chairman's Message

Being the current world not a hasty track, the responsibility of creating a high-quality educational institution is challenging and embellished with a host of initiatives, which validate them over an extended time span. We at M.I.E.T. motivate and empower our students to be enduring learners, critical thinkers and prolific members of an ever-changing global society.

The students are encouraged to channelize their potential in the pursuit of fineness in a holistic and student-centered environment. I am confident that

M.I.E.T. will always guide the fate of its students, while blistering kindness and compassion in its pursuit of academic excellence and the accomplishment of our motto "Humanize, Equalize, Spiritualize".

Principal's Message

M.I.E.T. strives to make a better world through education, Research and innovation, functioning with a motto of accelerating the nation's industrial development through highly skilled and qualified technocrats.

I extend a warm welcome to all students and scholars who choose M.I.E.T. as a preferred destination for higher education and research — a territory of happy learning with great fun and joy, offering ample opportunities for curricular, co-curricular and extra-curricular growth.

The college has modern infrastructure, state-of-the-art laboratories, and well-qualified, dedicated faculty members committed to the complete satisfaction of the student community, and to developing and motivating young talent to meet the challenges they will face after graduation.



Dr. A. NAVEEN SAIT, M.E., Ph.D.
Principal

DEPARTMENT ACTIVITIES

GUEST LECTURES

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

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 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.

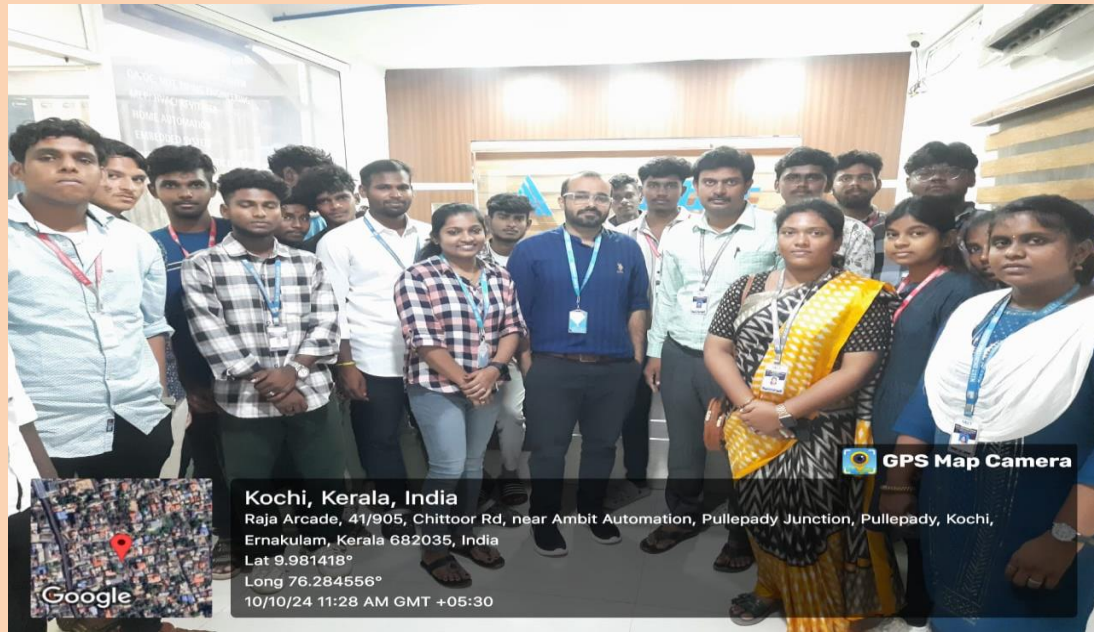


Resource Person delivering valuable insights



INDUSTRIAL VISIT

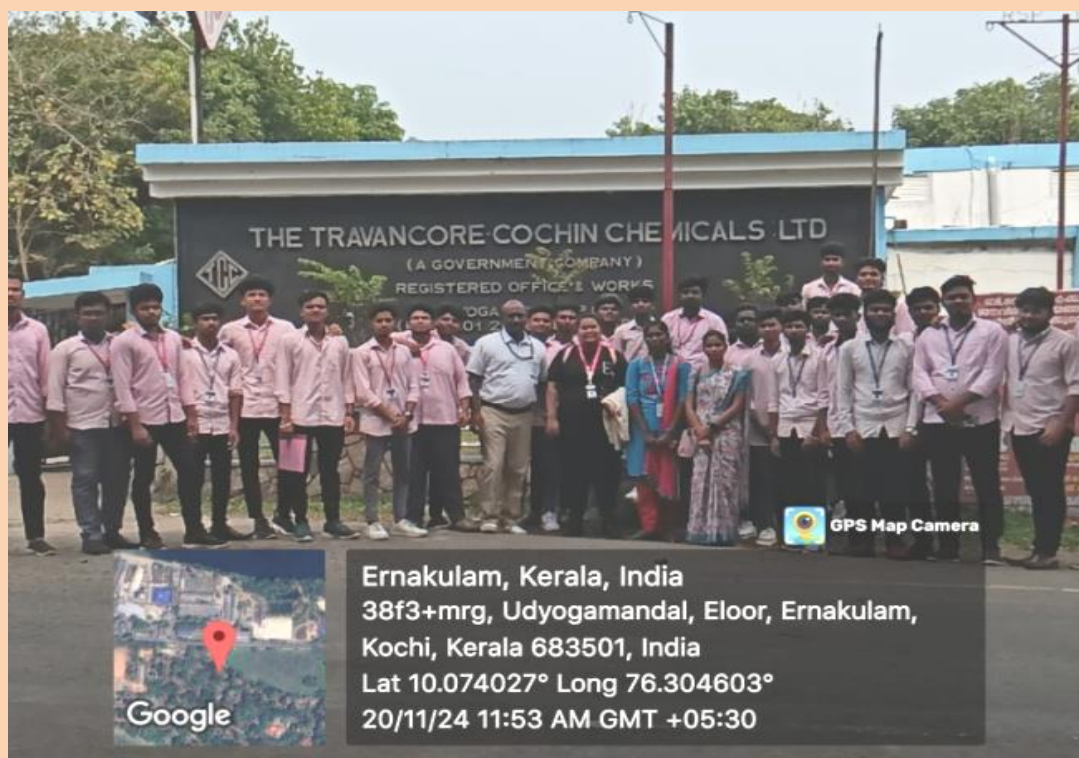
An industrial visit was organized for the III Year, V Semester students on October 9 and 10, 2024, for a duration of two days. A total of 21 students, comprising 18 boys and 3 girls, accompanied by 2 staff members (1 male and 1 female), participated in the visit. The students visited Cochin Shipyard, 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



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 Exhibition Visit and Student Interaction



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

- **Alparvesh Ibrahim, 812422105001**– Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M. Harish Kumar, 812422105005** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **H. Kamaludeen Ahamed, 812422105008**– Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **P. Naveen, 812422105012** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M. Syed Emadhudeen, 812422105022** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **Mohamed Barvis, 812422105025** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **M Y Rogan Prasath, 812422105302** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **R. Manikandan, 812422105009** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **S. Sheik Abdullah, 812422105018** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **S. N. Syed Imran, 812422105022** – Participated in the State-level Seminar on “**Rural Industrialization**” organized by UCE, BIT Campus, AU, Trichy on **25.10.2024**.
- **Monica, 812422105301** – Participated in the National-level Paper Presentation at the Technical Symposium “**Festronix’2K24**”, KRCT, Trichy on **25.10.2024**.
- **S. Pabitha, 812422105013** – Participated in the National-level Paper Presentation at the Technical Symposium “**Festronix’2K24**”, KRCT, Trichy on **25.10.2024**.
- **M. Harish Kumar (812422105005)** 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 (812422105008)** participated in the National-level Paper Presentation at the Technical Symposium “**AVESHA’25**”, UCE, BIT Campus, AU, Trichy on **25.04.2025**.

- **Mohamed Barvis** (812422105025) 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** (812422105018) participated in the National-level Paper Presentation at the Technical Symposium “AVESHA’25”, UCE, BIT Campus, AU, Trichy on 25.04.2025.
- **V. Siva** (812422105019) 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** (812422105022) 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** (812422105023) 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** (812422105302) 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 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 – 812421105001** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Anbuselvan S – 812421105002** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Jagadeeswaran M – 812421105004** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Karthikeyan S – 812421105006** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.
- **Mohamed Aqil R – 812421105007** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024 to 30.09.2024**.

- **Mohamed Hasan J – 812421105008** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Mohamed Jameel M – 812421105009** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Mohamed Nowsath Ali A – 812421105010** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Mohamed Rizvan M – 812421105011** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Nelson E – 812421105012** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Nishvanth S – 812421105013** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Ponvasanthu S – 812421105014** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Senthamilselvan S – 812421105018** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Sevakraj P – 812421105019** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Sridhar M – 812421105020** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Vasith Rahuman M – 812421105021** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Vigneshwaran T – 812421105022** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry**, from **01.09.2024** to **30.09.2024**.
- **Abdul Jabbar A – 812421105301** – Completed an internship at **Lenova (India)**

Private Limited, Cuddalore Main Road, Pondicherry, from 01.09.2024 to 30.09.2024.

• **Asif Mohamed R – 812421105304** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry, from 01.09.2024 to 30.09.2024.**

• **Gowtham M – 812421105305** – Completed an internship at **Lenova (India) Private Limited, Cuddalore Main Road, Pondicherry, from 01.09.2024 to 30.09.2024.**

STUDENTS PARTICIPATION IN EXTRA CURRICULAR 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**.
- **Mr. V. Siva** participated in “**Connectricals**”, organized as part of the National-Level Technical Symposium “**AVESHA’25**” at UCE, BIT Campus, Anna University, Trichy, on **25.04.2025**.
- **Mr. M. Harish Kumar** participated in “**Connectricals**”, organized as part of the National-Level Technical Symposium “**AVESHA’25**” at UCE, BIT Campus, Anna University, Trichy, on **25.04.2025**.

STUDENT NPTEL/MOOC COURSE/ NAAN MUDHALVAN COURSE

- **Ajay E** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.

- **Amit Nath** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Aswin Raj V V** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Bavadharani R** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Dawson Sanjoz Fernando S** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Deivaprabhu M** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Imran A** successfully completed the **QCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Jayavarshini G** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Lakshmi B** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Madesh K** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Marzooq Ahammed M** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Apsar M** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Harith S** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Sabeen N** successfully completed the **ESim** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Shaker S** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamedhalithu N** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Mohammed Saleem S** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Nallusamy G** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.

- **Nirmala B** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Nivesh R** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Sargunan A** successfully completed the **SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Sibin Sanjeev D** successfully completed the **NGSpice** course under the MOOC Course (Spoken Tutorial) category.
- **Vishwa K** successfully completed the **NGSpice** course under the MOOC Course (Spoken Tutorial) category.
- **In Ammul Hasan S** successfully completed the **NGSpice** course under the MOOC Course (Spoken Tutorial) category.
- **Mahalakshmi B** successfully completed the **NGSpice** course under the MOOC Course (Spoken Tutorial) category.
- **Sharkesh Raj S** successfully completed the **NGSpice** course under the MOOC Course (Spoken Tutorial) category.
- **Alparvesh Ibrahim A** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Ansharibasha S** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Baskar N** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Dhanush B** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Harishkumar M** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Kailash Kumar V** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Kalatharasan V** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Kamaludeen Ahamed H** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.
- **Manikandan R** successfully completed the **GUI in SciLab** course under the MOOC Course (Spoken Tutorial) category.

- **Mohamed Barvis A** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Mohammed Zaidh F** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Navin P** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Pabitha S** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Pradeesh R** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Pragathiswaran P** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Santhiya R** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Sathik Manzoor S** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Sheik Abdullah S** successfully completed the **KiCAD** course under the MOOC Course (Spoken Tutorial) category.
- **Siva V** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Subhashree A** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Surendran B** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Syed Emadhu Deen M** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Syed Imran S N** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Ushalini R** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Monica A** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.
- **Rogan Prasath M Y** successfully completed the **OpenPLC with LD Micro** course under the MOOC Course (Spoken Tutorial) category.

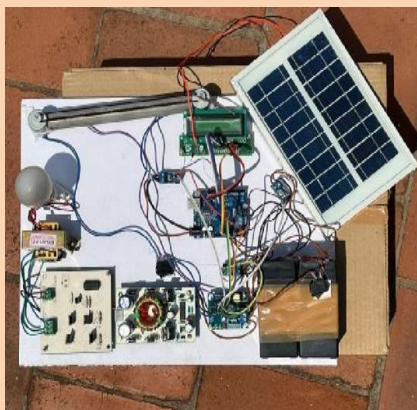
- **Allwin Albert J** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Anbuselvan S** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Hanas Sheik Abdullah Q** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Jagadeeswaran M** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Karthikeyan S** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Aqil R** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Hasan J** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Jameel M** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Nowsath Ali A** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Rizvan M** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Nelson E** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Nishvanth S** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Ponvasanthu S** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Ramya Dharshini N** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Ranjani R** successfully completed the **PHP/MySQL** course under the MOOC Course (Spoken Tutorial) category.
- **Senthamilselvan S** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Sevakraj P** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.

- **Sridhar M** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Vasith Rahuman M** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Vigneshwaran T** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Abdul Jabbar A** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Abdul Siddiq S** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Abushiek** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Asifmohamed R** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Gowtham M** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Janarthanan G** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Kalingeswari P** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Karthikeyan M. S** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Lawrence G** successfully completed the **Single Board Heater System (SBHS)** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Faiyaz J** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Rasath S** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Sameer S** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.
- **Mohamed Yousuf M** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.
- **Muthamilan T** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.

- **Praveen T** successfully completed the **Gnuplot** course under the MOOC Course (Spoken Tutorial) category.

STUDENT PROJECT ACTIVITIES

- **Allwin Albert J, Anbuselvan S, Mohamed Newsath Ali A, and Abdul Jabbar A** successfully completed the project titled **“Hybrid Renewable Energy Based Grid Connected System”** under the guidance of **Mr. D. Tamilselvan**.
- **Hanas Sheik Abdullah Q, Nelson E, Ponvasanthu S, and Mohamed Yousuf M** successfully completed the project titled **“Optimized Thermoelectric Energy Harvesting using Peltier Modules”** under the guidance of **Dr. V. Sivakami**.
- **Jagadeeswaran M, Mohamed Hasan J, Mohamed Jameel M, and Nishvanth S** successfully completed the project titled **“Dual Axis Solar Tracker”** under the guidance of **Mrs. B. Muthuselvi**.
- **Karthikeyan S, Sevakraj P, Vigneshwaran T, and Karthikeyan M. S** successfully completed the project titled **“Automatic Vehicle Control by Identifying Alcohol in a Motorist’s Breath”** under the guidance of **Mr. S. Pandiarajan**.
- **Mohamed Aqil R, Mohamed Rizvan M, Sridhar M, and Vasith Rahuman M** successfully completed the project titled **“Enhanced Power Generation from Piezoelectric Technology using DC-DC Converter”** under the guidance of **Dr. S. Sarojini Mary**.
- **Ramya Dharshini N and Ranjani R** successfully completed the project titled **“Optimal Economic Dispatch Including Load Shedding using ANN”** under the guidance of **Dr. E. Muthukumaran**.
- **Senthamilselvan S, Gowtham M, Mohamed Sameer S, and Muthamilan T** successfully completed the project titled **“Power Factor Improvement Technique in Photovoltaic Grid-Connected Inverter by Using Boost Converter”** under the guidance of **Mrs. T. Jayanthi**.
- **Abushiek K, Asif Mohamed R, Mohamed Rasath S, and Praveen T** successfully completed the project titled **“Optimal Load Commitment using Fuzzy Logic for Home Appliances”** under the guidance of **Mr. D. Jayaraj**.
- **Abdul Siddiq S, Janarthanan G, Lawrence G, and Mohamed Faiyaz J** successfully completed the project titled **“Electronic Medicine Dispenser”** under the guidance of **Mrs. J. Sherrin Banu**.



FACULTY PARTICIPATION AS 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**.
- **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/ JOURNAL/ PUBLICATION

1. 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.
2. **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.
3. **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.
4. **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 – 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.
- **Mrs. J. Sherrin Banu – Patent titled “Neural Network-Based Adaptive Power Management System in IoT Devices”**, Application No. 202541045290, was published.

FACULTY NPTEL/MOOCs COURSE

- **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. Bhuvaneshwari** – 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**.

- **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.
- **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 “**Fundamentals of Artificial Intelligence**” 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** 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**.
- **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 Blitz 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**.

- **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.
- **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**.
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- **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 “**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**.

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/-.



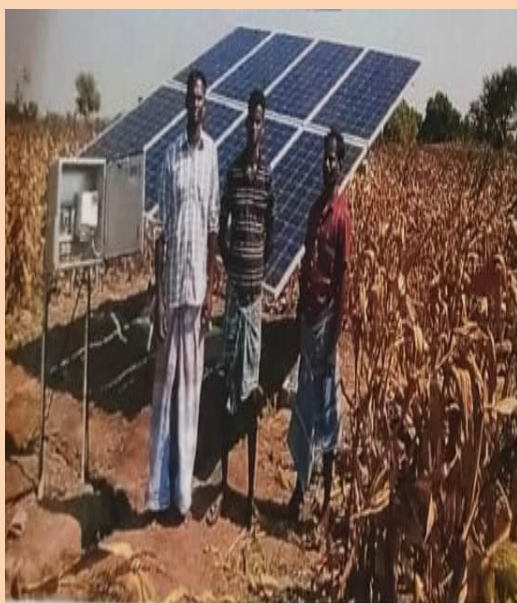


CONSULTANCY WORK

- **Dr. E. Muthukumaran**, Principal Investigator (PI), with **D. Tamilselvan** as Co-PI, from the **Department of Electrical and Electronics Engineering (EEE)**, undertook a consultancy project titled “**Electrification Work & Design of Circuit Systems in Super Market**” for **Kannan Super Market, Kallakurichi**. The project had a duration of **one year** with a consultancy value of **₹4,00,000**. The project involved electrical electrification works and the design of suitable electrical circuit systems for the supermarket, with emphasis on safe, reliable, and efficient electrical installation and distribution.



- **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/-.

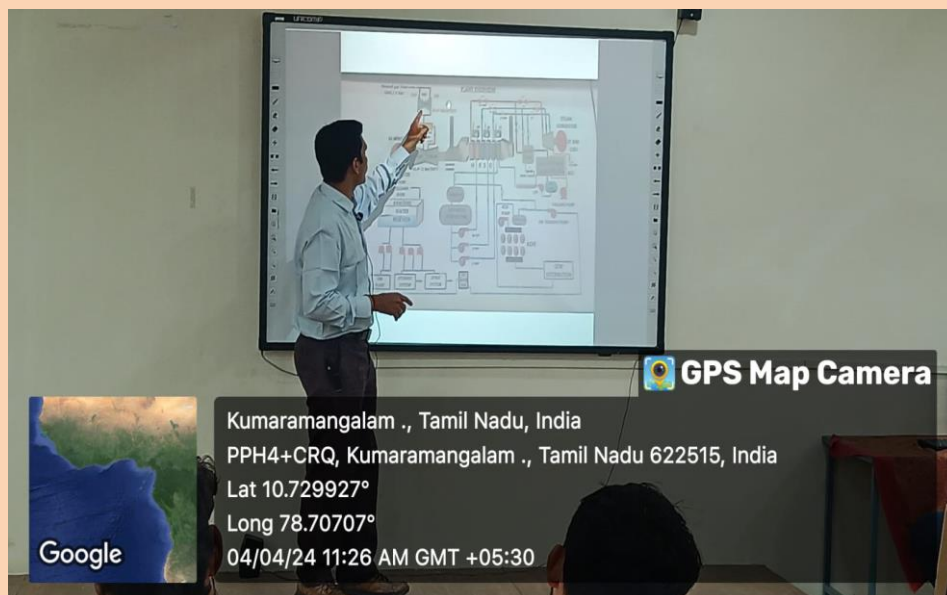


SEED MONEY

- **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.



- 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.



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.E, Ph.D.

- 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



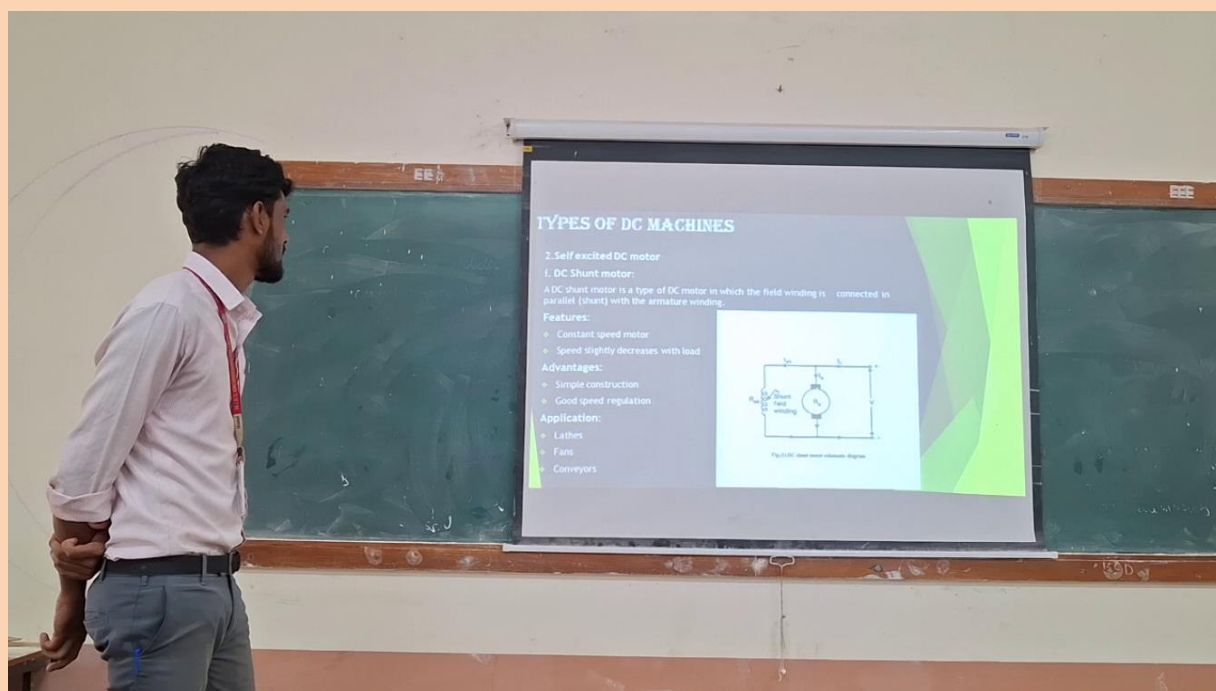
Chief Guest address by Dr.C.Vennila,M.E, Ph.D.



Interaction with students in Guest lecture

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. Yuvashri** 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

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

- **Dr. V. Sivakami** served as a resource person for “**Agriculture Robotics – The Future of Farming**” at **M.I.E.T. Engineering College** on 23.11.2023.
- **Mr. D. Tamilselvan** served as a resource person for “**Recent Trends in Hybrid Renewable Energy Sources**” at **C.K. Engineering College** on 27.12.2023.
- **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.”**

FACULTY BOOK CHAPTER / BOOK PUBLICATION

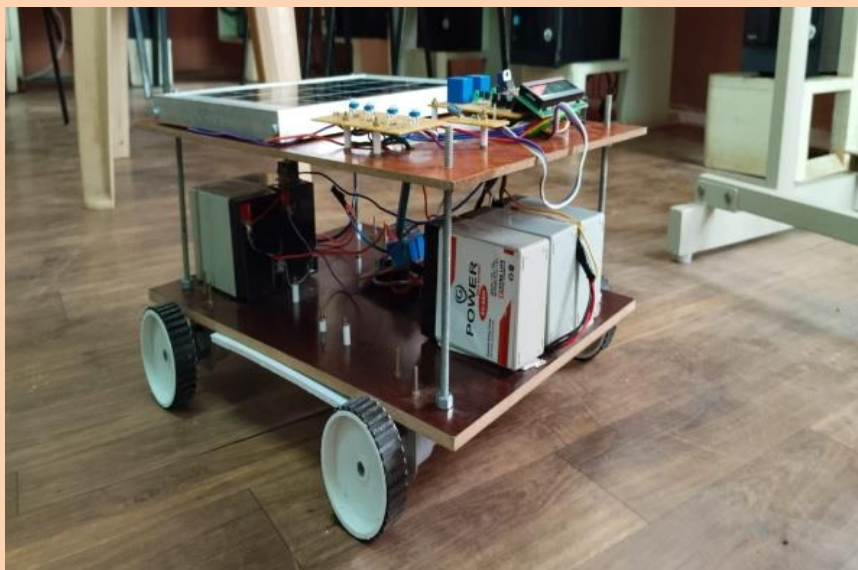
- **Dr. S. Sarojini Mary** authored the book **“Internet of Things”**, published by **Charulatha Publications** in **November 2024**, with **ISBN-13: 978-93-6260-970-0**.
- **J. Sherrin Banu** authored the book **“Basic Electrical and Electronics Engineering”**, published by **Charulatha Publications**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

SPONSORED RESEARCH PROJECTS

- The Department of Electrical and Electronics Engineering received **₹3,00,000** as **sponsored research funding** for two innovative research projects. **Dr. V. Sivakami, EEE**, served as the faculty member associated with the projects. The first project, titled **“Design of Solar Car with Battery and Real-Time Access,”** was sponsored by **Sri Chellam Industries** for a duration of **4 months**, with a sanctioned amount of **₹1,75,000**.

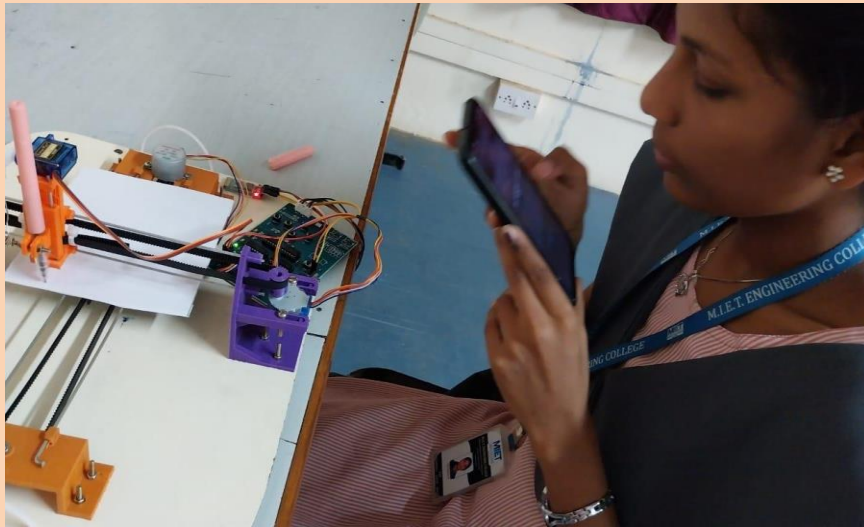
The second project, titled “**Design of Railway Platform for Accident Prevention,**” was sponsored by **AVM Engineering Industry, Coimbatore** for a duration of **6 months**, with a sanctioned amount of **₹1,25,000**. Thus, the department received a total sponsored research amount of **₹3,00,000**, supporting the development of innovative solutions in renewable energy, electric mobility, and railway safety.

- **Dr. V. Sivakami, Department of Electrical and Electronics Engineering,** was associated with the sponsored research project titled “**Design of Railway Platform for Accident Prevention.**” The project was sponsored by **AVM Engineering Industry, Coimbatore** for a duration of **6 months**, with a total sponsored research amount of **₹1,25,000**. The project focused on the design and development of an innovative railway platform system aimed at improving passenger safety and preventing accidents. The project contributed towards the development of practical safety-oriented engineering solutions for railway applications.



SEED MONEY FUNDED PROJECTS

- **Ms. B. Muthuslevi, Department of Electrical and Electronics Engineering,** received **Seed Money funding** for the project titled “**Design and Development of Writing Robot Using Speech Process.**” The project was carried out for a duration of **6 months** with a sanctioned seed money amount of **₹50,000**, out of which **₹46,540** was utilized. The project resulted in the development of a **working model** and the filing of a **patent**, demonstrating the successful translation of an innovative idea into a functional engineering prototype.



- **Dr. E. Muthukumaran, Department of Electrical and Electronics Engineering,** received **Seed Money funding** for the project titled **“Hand Gesture Control Wheelchair with Obstacle and Fall Detection.”** The project was carried out for a duration of 6 months with a sanctioned seed money amount of **₹50,000**, out of which **₹49,841** was utilized. The project focused on developing an assistive wheelchair controlled through hand gestures with additional obstacle detection and fall detection features to improve user safety and mobility. The project resulted in the development of a working model and the filing of a patent.



- **Mr. D. Tamilselvan, Department of Electrical and Electronics Engineering,** received **Seed Money funding** for the project titled **“Detachable Conversion Kit for Manual Wheel Chair to Electrical Trike.”** The project was carried out for a duration of **6 months** with a sanctioned seed money amount of **₹50,000**, out of which **₹49,610** was utilized. The project focused on developing a detachable conversion kit to transform a conventional manual wheelchair into an electrically powered trike, providing enhanced mobility and ease of use. The project resulted in the development of a **working model** and the filing of a **patent**.



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

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