



ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

**(Approved by AICTE, New Delhi Permanently Affiliated
to Anna University - Chennai)**

**Accredited by NAAC & National Board of Accreditation
(NBA), New Delhi.) PERUNDURAI, ERODE – 638 057**



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



NEWSLETTER

JULY – DECEMBER 2025

VOLUME 1

A SNIPPET OF

1.DEPARTMENT ENTERPRISE

2.DEPARTMENT VENTURES

3.RESEARCH OUTCOMES

4.KNOWLEDGE DISSMINATION

5.STUDENT ACHIEVEMENT

6.STUDENT PLACEMENT

VISION

- To provide competent and ethical electrical engineers finding solution to problem related to society, environment and industry using innovative technologies.

MISSION

- To make a positive difference among electrical and electronics engineering students through innovative teaching learning methods
- To provide electrical and electronics engineering knowledge base at large for the upliftment of different background people
- To instill research-oriented mindset and to develop well-furnished electrical and electronics engineering research labs
- To inculcate the moral and ethical values among students in order to make them competent and quality electrical and electronics engineers

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- **CORE COMPETENCE:** To impart fundamental electrical and electronics engineering knowledge through collaborative and case study methods of teaching learning process
- **BREADTH:** To produce quality electrical and electronics engineering graduates with in-depth technical knowledge including current issues and challenges in this field
- **LEARNING ENVIRONMENT:** To develop and enhance research-based facilities so as to address the industrial issues and challenges
- **PROFESSIONALISM:** To imbibe effective communication, interpersonal and other managerial skills for the holistic development of EEE students

PROGRAM OUTCOMES (POS)

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

PROGRAM SPECIFIC OUTCOMES (PSOS)

PSO1: Real World Knowledge- Apply the knowledge in solving the real time problems and solutions to issues and challenges in Electrical and Electronics Engineering technologies.

PSO2: Interdisciplinary Skill- Design and develop interdisciplinary and innovative system.

PSO3: Personality Development – Imparting effective communication, team work and leadership skills for a successful career in industry and R&D.

ASSOCIATION ACTIVITIES



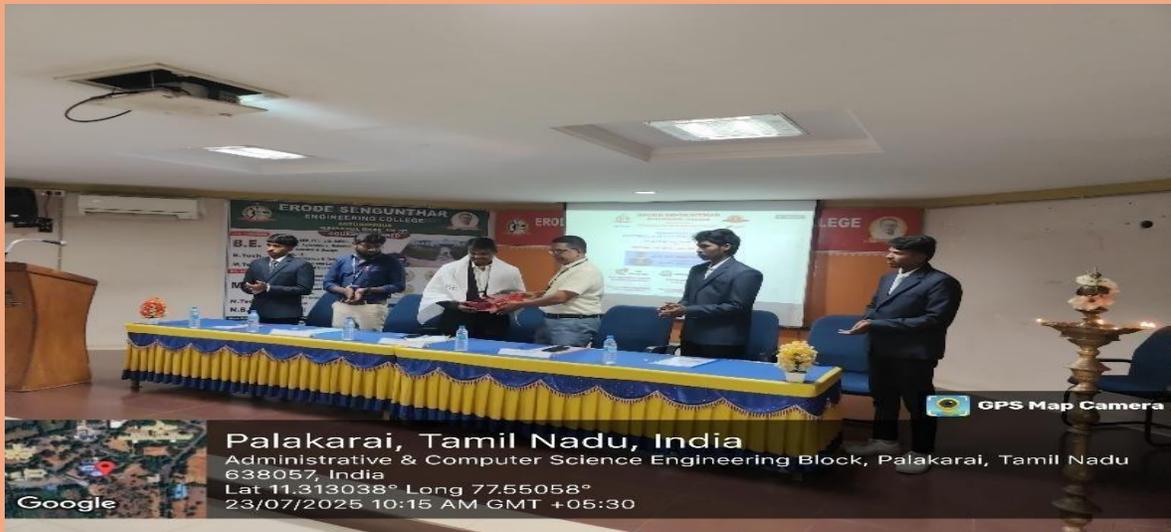
Guest Lecture on "Pathfinder – Navigating Jobs with Confidence"

A guest lecture titled "Pathfinder – Navigating Jobs with Confidence" was organized for students to gain insights into career opportunities and job preparation. The session was delivered by J.C.D. Navaneethakrishnan, Managing Director of Vedha Agencies, Erode. During the session, the speaker shared valuable guidance on career planning, industry expectations, and strategies to approach job opportunities with confidence. Students actively participated and gained useful knowledge about professional development, interview preparation, and workplace skills.



Awareness Program on “Anti-Ragging and Drug Abuse”

An awareness program on “Anti-Ragging and Drug Abuse” was organized for students to create awareness about the harmful effects of ragging and drug usage in educational institutions. The session was delivered by N. Moorthy, Judicial Magistrate of Perundurai. During the program, the speaker explained the legal consequences of ragging and drug abuse and emphasized the importance of maintaining discipline, respect, and a healthy campus environment. Students were encouraged to follow ethical values and support a safe and positive learning atmosphere.



During the lecture, the speaker shared valuable insights about career guidance, job opportunities, and the importance of confidence and skills in the professional world. Students gained useful knowledge about preparing for interviews and building a successful career



The program began with the traditional lamp lighting ceremony, symbolizing the start of the event and the spread of knowledge. Faculty members, guests, and students participated in the ceremony at Erode Sengunthar Engineering College. This ceremonial event marked the beginning of the guest lecture and created a positive and motivating atmosphere for the session.

EEE-Career Guidance Cell

Activities conducted

S.No.	Name of the activity	Name of the resource person	Date	No of students benefitted
1.	Awareness Program on "Higher Education in India and Abroad"	Mrs PRADEEPA MANI Student Counsellor Bluestone Overseas Consultants Erode & Coimbatore	07-10-2025	IV EEE (63)
2.	Awareness Program on "Dreaming of a Government Job?"	Ms.Brindha G Student Counsellor Bluestone Overseas Consultants Erode & Coimbatore	07-10-2025	III EEE (62)

Photographs

Program No. 1 - Awareness Program on "Higher Education in India and Abroad"



Program No. 2 - Awareness Program on "Dreaming of a Government Job?"



FDP / STTP / Workshop / Special lecture attended

Electrical and Electronics Engineering

- **Dr.P.Karuppusamy, Professor, Department of Electrical and Electronics Engineering has actively participated in DSIR Sponsored Two days National Level Seminar on "Next Generation Energy Efficient Machines for Renewable and Electric Mobility Applications" from 23rd January 2025 to 24th January 2025.**
- **Associate Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Mobility Redefined: Smart Transportation Systems and Autonomous Technologies" organized by Erode Sengunthar Engineering College, Perundurai, Erode from 18th August 2025 to 23rd August 2025.**
- **Dr.L.Anbarasu, Associate Professor, Department of Electrical and Electronics Engineering has successfully completed Five-day online Mode Short Term Course (STC) on "Challenges and Solutions for Power Quality in Modern Power Electronics Driven Power System" organized by Department of Electrical Engineering, Dream Institute of Technology, Kolkata from 25th November 2025 to 29th November 2025.**
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- **Mr.E.Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Mobility Redefined: Smart Transportation Systems and Autonomous Technologies" organized by Erode Sengunthar Engineering College, Perundurai, Erode from 18th August 2025 to 23rd August 2025.**
- **Mr.E.Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Hydrogen Energy Systems for a Clean and Green Future" organized by Avanthi Institute of Engineering And Technology, Hyderabad, from 13th October 2025 to 18th October 2025.**
- **Mr.E.Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Emerging Power Converter Topologies and Control Methods for Electric Vehicles and Renewable Energy Systems" organized by NIT Bhopal, from 17th November 2025 to 22nd November 2025.**

- **Mr.E.Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Powered Optimization Strategies for Sustainable Electric and Fuel Cell Vehicles" organized by ADITYA UNIVERSITY, from 21st December 2025 to 26th December 2025.**
- **Mrs.N.Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Mobility Redefined: Smart Transportation Systems and Autonomous Technologies" organized by Erode Sengunthar Engineering College, Perundurai, Erode from 18th August 2025 to 23rd August 2025.**
- **Mrs.N.Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Hydrogen Energy Systems for a Clean and Green Future" organized by Avanthi Institute of Engineering And Technology, Hyderabad, from 13th October 2025 to 18th October 2025.**
- **Mrs.N.Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Powered Optimization Strategies for Sustainable Electric and Fuel Cell Vehicles" organized by ADITYA UNIVERSITY, from 21st December 2025 to 26th December 2025.**
- **Mr.P.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next-Gen Computing: From Mathematical Models to AI in Computer Vision" organized by National Institute of Technology Hamirpur from 15th September 2025 to 20th September 2025.**
- **Mr.P.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on High-Performance and Intelligent Computing for Next- Generation Communications and Smart Environments" organized by Indian Institute of Information Technology Guwahati from 8th September 2025 to 13th September 2025.**
- **Mrs.K.Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has attended AICTE Training And Learning (ATAL) Academy Faculty Development Program on Demystifying Transformers: The Brains Behind Generative**

- **AI, Vellore Institute of Technology, Vellore from 25th August 2025 to 30th August 2025.**
- **Mrs.K.Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has attended Faculty Development Program on Design of Electrical & Electronic Systems for Wind & Solar, National Institute of Technical Teachers Training and Research, Chennai from 18th August 2025 to 22nd August 2025.**
- **Mrs.K.Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has participated in the event titled "National Workshop on Grid Power Electronics Technology" organized by the PV Research Lab, Department of Electronics and Communication Engineering, Indian Institute of Information Technology, Design & Manufacturing Kancheepuram, Chennai, Sponsored by Anusandhan National Research Foundation, DST, Gov. of India, during 19-20, September 2025.**
- **Mrs.K.Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has attended Faculty Development Program on Smart and Intelligent Systems , National Institute of Technical Teachers Training and Research, Chennai from 15th September 2025 to 19th September 2025.**
- **Mr.V.S.Nivedhan, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Mobility Redefined: Smart Transportation Systems and Autonomous Technologies" organized by Erode Sengunthar Engineering College, Perundurai, Erode from 18th August 2025 to 23rd August 2025.**
- **Mr.V.S.Nivedhan, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Hydrogen Energy Systems for a Clean and Green Future" organized by Avanthi Institute of Engineering And Technology, Hyderabad, from 13th October 2025 to 18th October 2025.**
- **Mr.V.S.Nivedhan, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Emerging Power Converter Topologies and Control Methods for Electric Vehicles and Renewable Energy Systems" organized NIT Bhopal, from 17th November 2025 to 22nd November 2025.**
- **Mr.P.Karpudha Pandi, Assistant Professor, Department of Electrical and Electronics Engineering has attended "AICTE Training And Learning (ATAL) Academy Faculty Development Program on Mobility Redefined: Smart Transportation Systems and**

- **Autonomous Technologies” organized by Erode Sengunthar Engineering College, Perundurai, Erode from 18th August 2025 to 23rd August 2025.**
- **Mr.P.Karpatha Pandi, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Autonomous Mobility and Digital Infrastructure for Future Ready Cities” organized by A.V.C.College of Engineering Mannampandal, Mayiladuthurai District, Tamilnadu from 18th August 2025 to 23rd August 2025.**
- **Mr.P.Karpatha Pandi, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cyber Security & Applications” organized by Vellore Institute of Technology Andhra Pradesh from 1st September 2025 to 6th September 2025.**
- **Mr.P.Karpatha Pandi, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next-Gen Computing: From Mathematical Models to AI in Computer Vision” organized by National Institute of Technology Hamirpur from 15th September 2025 to 20th September 2025.**
- **Mr.K.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Semiconductor Design for Real World AI Applications” organized by Bannari Amman Institute of Technology, Sathyamanagalam from 15th September 2025 to 20th September 2025.**
- **Mr.K.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Climate and Energy: Innovations for a Sustainable Society” organized by Ramgarh Engineering College (Estd. By Govt. Of Jharkhand & Run By Techno India Under PPP) from 17th November 2025 to 22nd November 2025.**
- **Mr.K.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has attended “AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next-Gen AI for Fog and Edge Computing : Building Intelligent, Decentralized IoT Networks” organized by Kongu Engineering College, Perundurai from 15th December 2025 to 20th December 2025.**

Paper Presentation by Faculty Members

Electrical and Electronics Engineering

- **Dr.P.Selvan, Professor, Department of Electrical and Electronics Engineering has attended an oral presentation on the paper entitled Power Factor Correction in EV Battery Systems using and effective BLCSC Converter at the IEEE conference - Jointly organized by TMU, Moradabad, UP, India on November 2025.**
- **Dr.P.Selvan, Professor, Department of Electrical and Electronics Engineering has attended an oral presentation on the paper entitled a National conference on AI- driven innovation in Engineering and Technology- jointly organized by the department of computer science and engineering in association with Indian society for technical education(ISTE) at SNS College of Technology, Coimbatore, Tamil Nadu, India on 28th November 2025.**
- **Dr.L.Anbarasu, Associate Professor, Department of Electrical and Electronics Engineering has published a IEEE conference paper on the topic " Advanced Harmonic Mitigation in PV-Driven Grid through ANN-Controlled Universal Active Power Filter and Modified", 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), on 07 & 08th August 2025.**
- **Dr.L.Anbarasu, Associate Professor, Department of Electrical and Electronics Engineering has published a IEEE conference paper on the topic " Dynamic Voltage Boost 9L Common Ground Inverter with Low Voltage Stress", 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), 07 & 08th August 2025.**
- **Dr.L.Anbarasu, Associate Professor, Department of Electrical and Electronics Engineering has participated as a 'Paper Presenter' and successfully presented a paper titled Multifunctional Onboard Charger for Electric Vehicles Integrating a Low- Voltage DC-DC Converter and Solar Roof at the Technical (Paper Presentations) Sessions in the International Conference on Multidisciplinary Sciences and Technologies (ICMST'25) organized by Lunar Publications, Gudiyatham held on 14th and 15th November 2025.**
- **Mr.E.Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has participated as a 'Paper Presenter' and successfully presented a paper titled Dynamic Performance Improvement of Standalone Microgrids via Battery-Assisted Wind Generator Integration at the Technical (Paper Presentations)Sessions in the International Conference on Multidisciplinary Sciences and Technologies (ICMST'25) organized by Lunar Publications, Gudiyatham held on 14th and 15th**

November 2025.

- **Mrs.S.Tamil Selvi, Assistant Professor, Department of Electrical and Electronics Engineering has presented a paper on the topic " Automatic Charging E-Vehicle Using Electrical Generator", in 8th international Conference on Circuit, Power and Computing Technologies, organized by the Baseliros Mathews II College of Engineering held on 7th and 8th of August 2025.**
- **Mrs.S.Tamil Selvi, Assistant Professor, Department of Electrical and Electronics Engineering has participated as a 'Paper Presenter' and successfully presented a paper titled Hybrid Energy Sources for Next-Generation Electric Vehicles at the Technical (Paper Presentations) Sessions in the International Conference on Multidisciplinary Sciences and Technologies (ICMST'25) organised by Lunar Publications, Gudiyatham held on 14th and 15th November 2025.**
- **Mrs.N.Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has participated as a 'Paper Presenter' and successfully presented a paper titled Multifunctional Onboard Charger for Electric Vehicles Integrating a Low- Voltage DC-DC Converter and Solar Roof at the Technical (Paper Presentations) Sessions in the International Conference on Multidisciplinary Sciences and Technologies (ICMST'25) organized by Lunar Publications, Gudiyatham held on 14th and 15th November 2025.**
- **Mrs.N.Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has presented paper entitled A Hybrid Approach for Efficient EV Charging: Honey Badger Algorithm-Optimized ANN for Harmonic Mitigation in Solar PV and Grid**
- **Connected Systems in 2025 IEEE International Conference on Emerging Trends in Computing and Communication (ETCOM) during 28th to 29th November 2025.**
 - **Mr.P.Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has participated as a 'Paper Presenter' and successfully presented a paper titled Series resonant convertor based full bridge DC DC partial power convertor for solar PV at the Technical (Paper Presentations) Sessions in the International Conference on Multidisciplinary Sciences and Technologies (ICMST'25) organized by Lunar Publications, Gudiyatham held on 14th and 15th November 2025.**
- **Mrs.K.Preetha. Assistant Professor, Department of Electrical and Electronics Engineering has successfully made Oral presentation in "NCAIDIET'25 - A National Conference on AI-Driven Innovation in Engineering and Technology" organized by the Department of Computer Science and**

Engineering in association with Indian Society for Technical Education (ISTE) at SNS College of Technology, Coimbatore, on 28th November 2025.

- **Mr. V. S. Nivedhan, Assistant Professor, Department of Electrical and Electronics Engineering has attended an oral presentation on the paper entitled a National conference on AI-driven innovation in Engineering and Technology- jointly organized by the department of computer science and engineering in association with Indian society for technical education (ISTE) at SNS College of Technology, Coimbatore, Tamil Nadu, India on 28th November 2025.**
- **Mr. P. Karthikeyan and Mr. P. Karputha Pandi, Assistant Professor, Department of Electrical and Electronics Engineering have successfully presented the paper titled Design and Performance Analysis of a High-Gain DC-DC Converter Employing an Active Switched Network at the 2nd International Conference on Electronic Circuits and Signaling Technologies ICECST 2025 organised by Lincoln University College Petaling Jaya, Malaysia during 23rd -25th, October 2025.**
- **Mr.P.Karthikeyan Assistant Professor, Department of Electrical and Electronics Engineering has attended an oral presentation on the paper entitled a National conference on AI-driven innovation in Engineering and Technology- jointly organized by the department of computer science and engineering in association with Indian society for technical education(ISTE) at SNS College of Technology, Coimbatore, Tamil Nadu, India on 28th November 2025.**

Books/Book Chapter Authored, Edited & Patents Published

Books / Book Chapters Authored & Edited

Electrical and Electronics Engineering

- **Dr. R. Muthukumar, Professor, Department of Electrical and Electronics Engineering has published a book chapter entitled "Analog VLSI Circuits and Visual Motion Perception in Smart Healthcare Systems", in Innovations in Power Systems and Applications, August 2025.**
- **Dr. R. Muthukumar, Professor, Department of Electrical and Electronics Engineering has published a book entitled "Integrating IoT and Machine Learning for Advanced Nuclear Structure Analysis", in IGI global publisher, August 2025.**
- **Dr. S. Karthick, Professor, Department of Electrical and Electronics Engineering has published a book entitled "Big Data Technologies", in AIP Publishing Company, December 2025.**
Dr. S. Karthick, Professor, Department of Electrical and Electronics Engineering has published a book entitled

“Foundations of Data Science”, in BR Publications, December 2025.

- **Mrs. K. Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has published a book chapter entitled “Assessment of Grid Impact Analysis for EV Charging. Book- Modern Power Converters for Renewable Energy Applications”, eBook, CRC Press, Taylor & Francis, September 2025.**
- **Mr. V. S. Nivedhan, Assistant Professor, Department of Electrical and Electronics Engineering has published a book chapter entitled “IoT-based smart energy meter for power theft monitoring and cost detection using ESP8266”, eBook, CRC Press, Taylor & Francis, September 2025.**

Patents Published by Faculty

Electrical and Electronics Engineering

- **Mr. E. Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent titled “Collaborative Robotic Arm For Precision Assembly ”on 07.08.2025. Design No. 456814-001. The Patent Office Journal No.32/2025 Dated 08.08.2025.**
- **Mrs. N. Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent titled “Machine Learning – Enabled Intelligent Battery Management System for Optimizing Performance and Extending the Lifespan of Electric Vehicles” on 14.11.2025. Application No. 202521088584.**
- **Mrs. K. Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent titled “Smart Power Distribution System with Adaptive Load Balancing and Fault Isolation for Urban Grids” on 05.09.2025. Application No. 202521075988.**
- **Mrs. K. Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent titled “Air Quality Control System” Design No. 463188-001. on 02.09.2025. The Patent Office Journal No.36/2025 Dated 05.09.2025.**
- **Mr. P. Karpathapandi, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent titled “Adaptive Boost Converter with Hybrid Incremental Conductance MPPT for Enhanced Power Management in Solar Electric Vehicles” on 05.09.2025. Application No. 202541075820.**

Publications by the Faculty Electrical and Electronics Engineering

- **Dr. R. Muthukumar, Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Intelligent Decision – Making Systems (IDMS) for Detection and Recognition of Alzheimer Disease and Persistence Monitoring of Patients", in Journal of Mechanics in Medicine and Biology, August 2025.**
- **Dr. R. Muthukumar, Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Polymer-Nanowire Hybrid Composites Based on PEDOT: PSS and AgNWs for High-Performance Conductive Films in Flexible Devices", in Journal of Polymer and Composites, Vol. 13, No. 05, pp. 236 to 250, September 2025.**
- **Dr. S. Karthik, Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Design and implementation of solar-grid based charging station for electric vehicle with fault detection method using R-Pi and IoT processor", in International Journal of Applied Power Engineering (IJAPE), Vol. 14, No. 04, pp. 794 to 802, December 2025.**
- **Dr. P. Karuppusamy, Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Design and analysis of multiphase buck–boost chopper fed DC motor drive system for sustainable development", in AIP Advances Journal, Vol. 15, No. 9, pp. 095134-1to 095134-13, September 2025.**
- **Dr. A. Johny Renoald, Associate Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Optimizing cloud service cryptography via fuzzy graph theory neural networks: A data model perspective", in AIP Advances Journal, Vol. 15, No. 10, pp. 105318-1to 095134-13, October 2025.**
- **Dr. A. Johny Renoald, Associate Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Privacy-enhanced data compression using quantum zk-SNARKs and variational auto-encoders in cloud-IoT based healthcare sensor data for medical applications", in AIP Advances Journal, Vol. 15, No. 10, pp. 105131-1to 095134-13, October 2025.**
- **Dr. L. Anbarasu, Associate Professor, Department of Electrical and Electronics Engineering has published a paper entitled "Nanophotonic-Enhanced Photoacoustic Fusion with Transformers for Brain Tumor Classification" in International Journal of Electrical and Electronics Research (IJEER), Vol. 13, No. 04, pp. 870 to 877, December 2025.**
- **Mr. E. Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled "PSO-PI Controlled**

Hybrid Energy Management System for Fuel Cell Driven Electric Vehicle Applications”, in International Journal of Advanced Trends in Engineering and Management, Vol. 04, No. 07, pp. 13 to 24, August 2025.

- **Mr. E. Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Implementation of Interleaved Boost Converter for Improving Performance of PV-Grid System”, in International Journal of Advanced Trends in Engineering and Management, Vol. 04, No. 06, pp. 33 to 43, August 2025.**
- **Mr. E. Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Comparative Analysis of Conventional and Metaheuristic-Tuned PI Controllers for PV-Powered SEPIC Converter”, in International Journal of Advanced Trends in Engineering and Management, Vol. 04, No. 07, pp. 25 to 36, August 2025.**
- **Mr. E. Immanuel Bright, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Efficient Channel Attention Network for Accurate Carrot Disease Detection and Classification”, in International Journal of Advanced Trends in Engineering and Management, Vol. 04, No. 07, pp. 01 to 12, August 2025.**
- **Mrs. S. Tamilselvi, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Solar System Integrated Smart Grid Utilizing Hybrid Coot-Genetic Algorithm Optimized ANN Controller”, in Iranian Journal of Science and Technology, Transactions of Electrical Engineering, pp. 01 to 21, November 2025.**
- **Mrs. S. Tamilselvi, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Adaptive sliding mode control of multilevel grid-connected inverters using reinforcement learning for enhanced LVRT performance”, in Electric Power Systems Research, Vol. 253, No 07, pp.112428, November 2025.**
- **Mrs. N. Jothipriya, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Enhanced PH Neutralization Process Control Using Firefly-Optimized Artificial Neural Network Predictive Controller”, in International Journal of Basic and Applied Sciences, Vol. 14, No. 6, pp. 374 to 383, October 2025.**
- **Mr. P. Karthikeyan, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Design and Performance Analysis of a High- Gain DC-DC Converter Employing an Active Switched Network”, December 2025.**
- **Mrs. K. Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Artificial**

intelligence-based adaptive control for vehicle-to-grid and grid-to-vehicle operations in electric vehicle charging stations”, in Journal of Renewable Energy, Vol. 257, Article No:124769, November 2025.

- Mrs. K. Preetha, Assistant Professor, Department of Electrical and Electronics Engineering has published a paper entitled “Power Quality Improvement on 11kV/440V Distribution System Using DSTATCOM”, in GMSARN International Journal, Vol. 19, pp. 572 to 580, December 2025.

AWARDS RECEIVED

Electrical and Electronics Engineering

- Mr. P. Karthikeyan, Assistant Professor of Electrical and Electronics Engineering received “Best Engineer – Academics” award in 58th Engineers Day Celebration in commemoration of the 165th Birth Anniversary of Bharat Ratna Dr, M .Visvesvara, presented by The Institute of Engineers (IEI) Erode Local Centre on 17.09.2025.



- **Dr.P. Selvan, Professor & Head of Electrical and Electronics Engineering** received an award in the category of NPTEL Believer for July - December 2025.



- **Dr.S.Karthick, Associate Professor of Electrical and Electronics Engineering** received an award in the category of NPTEL Enthusiast for July - December 2025.



- **Dr.S.Karthick, Associate Professor of Electrical and Electronics Engineering received an award in the category of NPTEL Discipline Star for July - December 2025.**



- **Mr.E.Immanuelbright, Assistant Professor of Electrical and Electronics Engineering received an award in the category of NPTEL Believer for July - December 2025.**



- Mrs.K.Preetha, Assistant Professor of Electrical and Electronics Engineering received an award in the category of NPTEL Believer for July - December 2025.



- Mrs.K.Preetha, Assistant Professor of Electrical and Electronics Engineering received an award in the category of NPTEL Discipline star for July - December 2025.



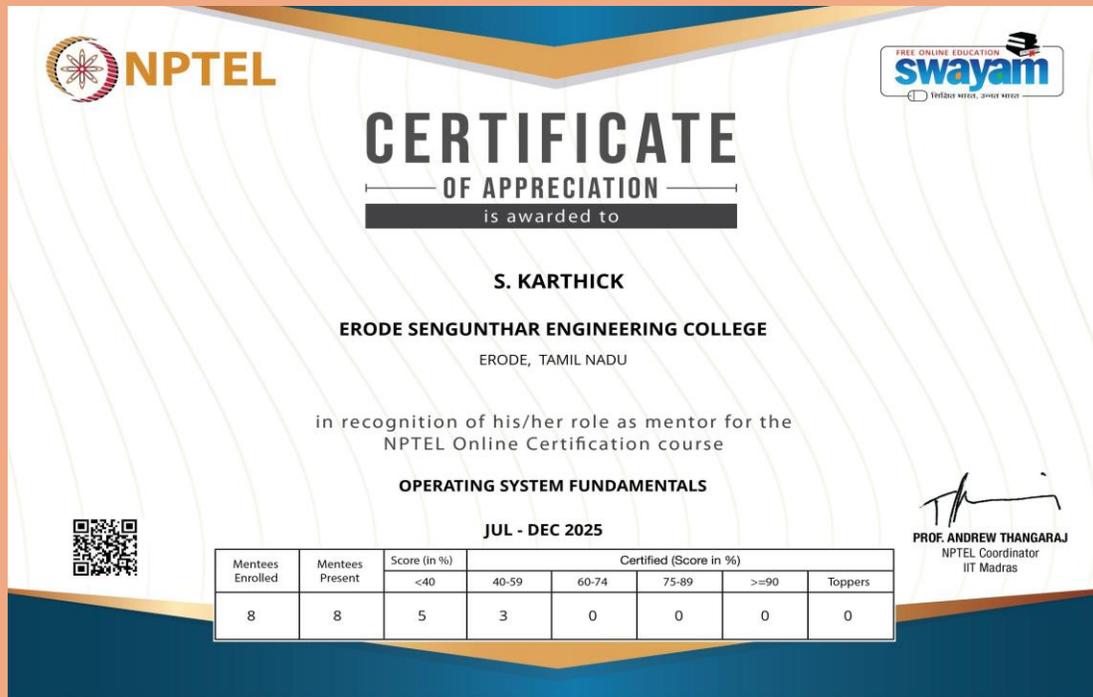
- Mrs.K.Preetha, Assistant Professor of Electrical and Electronics Engineering received an award in the category of NPTEL Motivated Learner for July - December 2025.



- Dr.P.Selvan, Professor and Head of Electrical and Electronics Engineering received Mentor award in Operating System Fundamentals - NPTEL exam for Jun - Dec 2025.



- **Dr.S.Karthick, Associate Professor of Electrical and Electronics Engineering received Mentor award in Operating System Fundamentals - NPTEL exam for Jun - Dec 2025.**



NPTEL FREE ONLINE EDUCATION
swayam
विद्यया ऽ मृतमश्नुते

CERTIFICATE OF APPRECIATION

is awarded to

S. KARTHICK
ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

in recognition of his/her role as mentor for the
NPTEL Online Certification course

OPERATING SYSTEM FUNDAMENTALS
JUL - DEC 2025

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
8	8	5	3	0	0	0	0


PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

- **Dr.L.Anbarasu, Associate Professor of Electrical and Electronics Engineering received Mentor award in Introduction to Industry 4.0 Industrial Internet of Things - NPTEL exam for Jun - Dec 2025.**



NPTEL FREE ONLINE EDUCATION
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CERTIFICATE OF APPRECIATION

is awarded to

L ANBARASU
ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

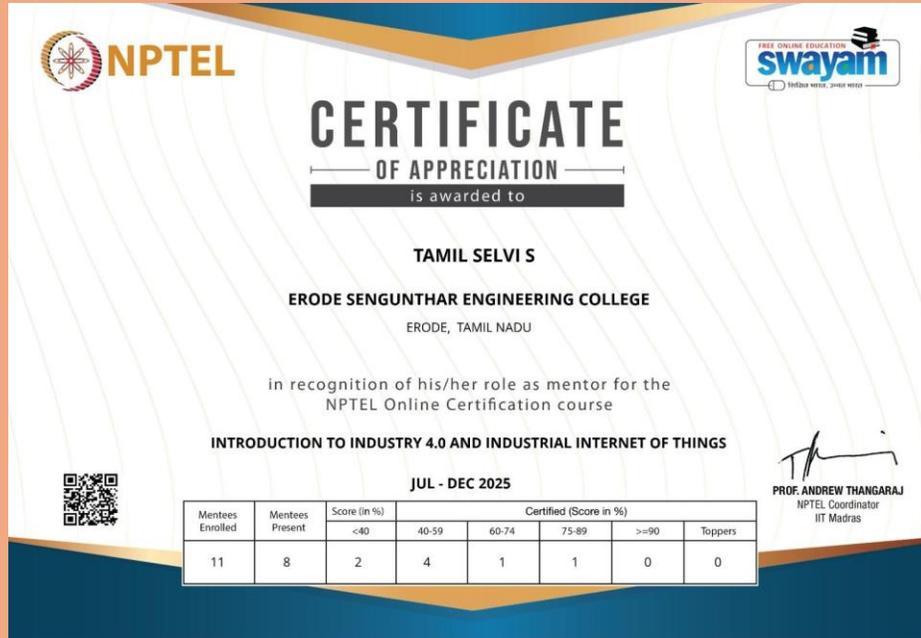
in recognition of his/her role as mentor for the
NPTEL Online Certification course

INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS
JUL - DEC 2025

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
11	7	4	1	2	0	0	0


PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

- **Mrs.S.Tamilselvi, Assistant Professor of Electrical and Electronics Engineering received Mentor award in Introduction to Industry 4.0 Industrial Internet of Things - NPTEL exam for Jun - Dec 2025.**



NPTEL FREE ONLINE EDUCATION
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विद्यया ऋतेः श्रेयः कुरुते

CERTIFICATE OF APPRECIATION

is awarded to

TAMIL SELVI S
ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

in recognition of his/her role as mentor for the
NPTEL Online Certification course

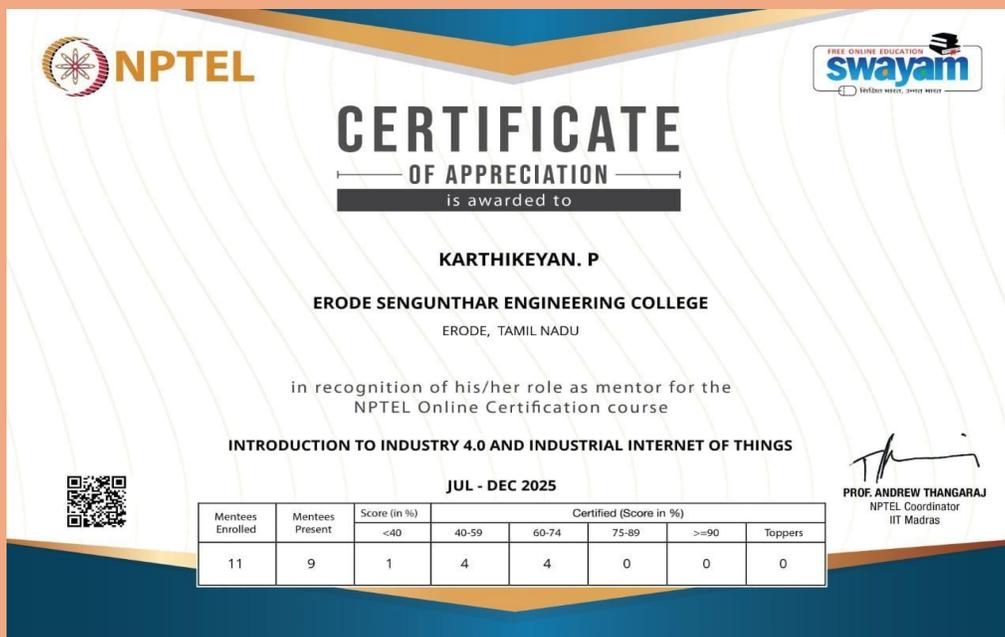
INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS

JUL - DEC 2025

Mentees Enrolled	Mentees Present	Score (in %)	Certified (Score in %)				Toppers
		<40	40-59	60-74	75-89	>=90	
11	8	2	4	1	1	0	0


PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

- **Mr.P.Karthikeyan, Assistant Professor of Electrical and Electronics Engineering received Mentor award in Introduction to Industry 4.0 Industrial Internet of Things - NPTEL exam for Jun - Dec 2025.**



NPTEL FREE ONLINE EDUCATION
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विद्यया ऋतेः श्रेयः कुरुते

CERTIFICATE OF APPRECIATION

is awarded to

KARTHIKEYAN. P
ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

in recognition of his/her role as mentor for the
NPTEL Online Certification course

INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS

JUL - DEC 2025

Mentees Enrolled	Mentees Present	Score (in %)	Certified (Score in %)				Toppers
		<40	40-59	60-74	75-89	>=90	
11	9	1	4	4	0	0	0


PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

- Mrs.K.Preetha, Assistant Professor of Electrical and Electronics Engineering received Mentor award in Operating System Fundamentals - NPTEL exam for Jun - Dec 2025.

NPTEL

CERTIFICATE OF APPRECIATION
is awarded to

K. PREETHA

ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

in recognition of his/her role as mentor for the
NPTEL Online Certification course

OPERATING SYSTEM FUNDAMENTALS

JUL - DEC 2025

PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
15	14	2	9	3	0	0	0

- Mrs.K.Preetha, Assistant Professor of Electrical and Electronics Engineering received Mentor award in Fundamentals of Electronic Device fabrication - NPTEL exam for Jun - Dec 2025.

NPTEL

CERTIFICATE OF APPRECIATION
is awarded to

K. PREETHA

ERODE SENGUNTHAR ENGINEERING COLLEGE
ERODE, TAMIL NADU

in recognition of his/her role as mentor for the
NPTEL Online Certification course

FUNDAMENTALS OF ELECTRONIC DEVICE FABRICATION

JUL - DEC 2025

PROF. ANDREW THANGARAJ
NPTEL Coordinator
IIT Madras

Mentees Enrolled	Mentees Present	Score (in %)					
		<40	40-59	60-74	75-89	>=90	Toppers
36	15	7	4	4	0	0	0

Electrical and Electronics Engineering

- Mrs. K. Preetha, Assistant Professor of Electrical and Electronics Engineering reviewed a manuscript for Scientific Reports of Springer Nature during 2025.
- Mrs. K. Preetha, Assistant Professor of Electrical and Electronics Engineering acted as a reviewer in 5th IEEE International conference on Advancement in Electronics and Communication Engineering (AECE – 2025) at Raj Kumar Goel Institute of Technology, Ghaziabad, UP, India dated 21st & 22nd November 2025.

The details of programmes organized by various departments for the welfare of the students under the banner of Guest lecture, Workshop, Seminar, Leaders' talk and Seminar by Industrial experts are given below:

Electrical and Electronics Engineering

- The Department of Electrical and Electronics Engineering has organized a Guest Lecture on "Pathfinder – Navigating Jobs with Confidence" on 23.07.2025 with the resource person Mr. JC. D. Navaneethakrishnan Managing Director, Vedha Agencies, Erode.
- The Department of Electrical and Electronics Engineering has organized a Awareness Program on "Anti – Ragging and Drugs usage" on 31.07.2025 with the resource person Thiru. N. Moorthy, B.Com., B.L., Judicial Magistrate Perundurai.
- The Department of Electrical and Electronics Engineering has organized a Two Days Workshop on "Smart Control and Monitoring of Real Time Electrical Application Using Embedded Controller" on 11.09.2025 & 12.09.2025 with the resource person Mr. M. Sujith B.E., Research and Development Engineer, AB Technologies, Chennai.
- The Department of Electrical and Electronics Engineering has organized a Guest Lecture on "Unlocking Opportunities Through GATE" on 17.09.2025 with the resource person Mr. T. Ravisankar, Planning Engineer, Nuclear Power Project Kudankulam (Unit 1-6), Kanniyakumari.
- The Department of Electrical and Electronics Engineering has organized Awareness Program on "Energy Conversation" on 19.12.2025 with the resource person Tmt. M. KalaiSelvi, ME, MCA. Superintending Engineering / EEDC / Tamilnadu Power Distribution Corporation Limited/Erode.

STUDENTS ACHIEVEMENTS AND AWARDS

Electrical and Electronics Engineering

- Selvan Harish Kumar. U, Selvan Hariprasad. P, Selvan Maheshraj. M.E of III year Electrical and Electronics Engineering have participated in National level Technical

Symposium – Treasure Hunt organized by Roever Engineering College, Perambalur on 20.09.2025 and won First Prize.

- Selvan Sugeshwaran. R, Selvan Tamilselvan. M, of III year Electrical and Electronics Engineering have participated in National level Technical Symposium – Treasure Hunt organized by Roever Engineering College, Perambalur on 20.09.2025 and won Second Prize
- Selvan Navaneetha Krishnan of III year Electrical and Electronics Engineering have participated in National level Technical Symposium– Flash Frame organized by Kongu Engineering College, Perundurai on 26.09.2025 and won Second Prize

CO-CURRICULAR ACTIVITIES

VALUE ADDED COURSES TO STUDENTS - Nil

WORKSHOP / SEMINAR / PAPER PRESENTATION BY THE STUDENTS – Electrical and Electronics Engineering

- TamilSelvan R of II Year Electrical and Electronics Engineering have Participated in National Level Technical Symposium (Symtron'25 & Silizium'25) Organized by Muthayammal Engineering College, Namakkal on 14.08.2025.
- Selvan A Arinseyan, Selvan M Dharsan, Selvan M G Nitheeskumar , Selvan P Rohith , Selvan M Santhosh , Selvan C Sarvanakumar , Selvan A Thomasraj of IV Year Electrical and Electronics Engineering have Participated in Two-Day Workshop on "Simulation of Recent IEEE Transaction Papers Using MATLAB / SIMULINK" Organized by Dr. Mahalingam College of Engineering and Technology, Pollachi on 22.08.2025 & 23.08.2025.
- Selvan Moses Vasanthan G, Selvan Anshu Kumar B of II Year Electrical and Electronics Engineering have Participated in National Level Technical Symposium "NOVASPARK – 2K25" Organized by Vivekanandha Arts and Science College for Women, Sankagiri on 22.08.2025.
- Selvan Harish Kumar. U, Selvan Hariprasad. P, Selvan Maheshraj. M.E, Selvan Sugeshwaran. R, Selvan Tamilselvan, M of II Year Electrical and Electronics Engineering have Participated in National level Technical Symposium – Treasure Hunt Organized by Roever Engineering College, Perambalur on 20.09.2025.

Selvan Navaneetha Krishnan of II Year Electrical and Electronics Engineering has Participated in National level Technical Symposium – Flash Frame Organized by Kongu Engineering College, Perundurai on 26.09.2025.

- Selvan ROHITH P, Selvan SARAVANAKUMAR C, Selvan THOMASRAJ A, Selvan NITHEESKUMAR M.G, Selvan SANTHOSH. M, Selvan ARINSEYAN. A, Selvan

DHARSAN. M of IV Year Electrical and Electronics Engineering have Participated in Workshop - on Simulation of recent IEEE Transaction Papers using MATLAB / SIMULINK Organized by Dr. Mahalingam College of Engineering, Pollachi on 22.08.2025 & 23.08.2025.

- Selvan Salman Butt. S, Selvi Thangamalar. S, Selvan Hariprasad. P, Selvi Jayavarthini. V, Selvi Aswini. M, Selvi Sandhiya. M, Selvi Vaishnavi. M, Selvan Kishore. M, Selvan Maheshraj. M.E, Selvan Harish Kumar. U, Selvi Narmatha .M , Selvan Seran. P, Selvan Harish. L, Selvan Suriya Prakesh. M, Selvan Antony Ronald. M, Selvan Rohith. G, Selvan Karthigaiselvan. S, Selvan Gopi. V, Selvan Kavin. C, Selvan Gokul. S, Selvan Gokul. S, Selvi Sandhiya. S, Selvi Iniya. S, Selvi Kanimozhi. M, Logesh. R of III Year Electrical and Electronics Engineering have Participated in Workshop – on Smart Control & Monitoring of Real Time Electrical Application using Embedded Controller organized by Erode Sengunthar Engineering College, Perundurai on 11.09.2025 & 12.09.2025.
- Selvan Jeevarajan. M, Selvan Joseph. M, Selvan Mohanlal. T, Selvan Mathavan. V, Selvi Rengua Devi. M, Selvan Soundar. S, Selvan Sursh Kumar. S, Selvan Maria Vasanth. M, Selvi Mohana. V, Selvi Vishnudevi. A, Selvan Kamalesh. Y, Selvan Kowsik. V, Selvan Mohammed Sulaiman. S.M, Selvan Ragul S, Selvan Kamalesh T R of II Year Electrical and Electronics Engineering have Participated in Workshop – on Smart Control & Monitoring of Real Time Electrical Application using Embedded Controller organized by Erode Sengunthar Engineering College, Perundurai on 11.09.2025 & 12.09.2025.
- Selvan Sedhupathi. K.K, Selvan Syedh Shahith. S, Selvan Manibharathi. A, Selvan Suriya Krishna. R.B, Selvan Harish. R, Selvan Moses. S of IV Year Electrical and Electronics Engineering have Participated in Workshop – on Smart Control & Monitoring of Real Time Electrical Application using Embedded Controller organized by Erode Sengunthar Engineering College, Perundurai on 11.09.2025 & 12.09.2025
- Selvi Samvardhini. S have Participated in Workshop organized by KPR Institute of Engineering and Technology, Coimbatore on 27.09.2025.
- Selvan Yuvaraj. S, Selvi Srijanapriya. V of II Year Electrical and Electronics Engineering have Participated in Workshop – on Motor Design using Software Tools organized by KPR Institute of Engineering and Technology, Coimbatore on 29.09.2025.

- Selvi Iniya. A, Selvi Thangamalar. S, Selvan Manikandan. P, of III Year Electrical and Electronics Engineering have Participated in Workshop - on Exploring IoT Technology organized by Kongu Engineering College, Perundurai on 11.10.2025.
- Selvi Sowbakiya. B of II Year Electrical and Electronics Engineering have Participated in Workshop - on Pentest Pro organized by Paavai Engineering College, Namakkal on 11.10.2025.
- Selvan Moses Vasanthan. G, Selvan Anshu Kumar. B of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Vivekananda Arts and Science College For Women, Sankagiri on 22.08.2025.
- Selvan Mohan Lal. T, Selvi Sathya Priya. G, Selvi Pavithra. C, Selvi Renuga Devi. M , Selvan Mathavan. V of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Sri Sai Ranganathan Engineering College, Coimbatore on 19.09.2025.
- Selvan Dharani Tharan. C S, Selvan Nandha Kumar M, of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Indra Ganesan College of Engineering , Tiruchirapalli on 19.09.2025.
- Selvan Sugeshwaran.R, Selvan Tamil Selvan. M, Selvan Harish Kumar . U, Selvan Mahesh Raj. M.E, Selvan Kishore. M, Selvan Kavin. C, Selvan Hariprasad . P, Selvan Logesh. R, Selvan Gokul. S, Selvan Kavin. C of III Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Roever Engineering College, Perambalur on 20.09.2025.
- Selvi Puja Sri. N, Selvi Akalya. O of III Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Anna University Regional Campus, Madurai on 27.09.2025.
- Selvi Samvardhini S of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by KPR Institute of Technology, Coimbatore on 27.09.2025.
- Selvan Tamil Selvan. C, Selvan Yuvaraj. S of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by KPR College of Engineering, Thiruchengode on 10.10.2025.
- Selvi Srijanapriya. V, Selvan Soundar. A, Selvan Bagavathi. S, Selvan Yuvaraj, Selvan Moses Vasanthan. J, Selvan Anshu Kumar. B of II Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by NIT, Srinagar on 11.10.2025.

- Selvi Akalya. O, Selvi Pujasri. N of III Year Electrical and Electronics Engineering have Participated in Paper Presentation organized by Hindustan Institute of Technology, Coimbatore on 15.10.2025.
- Selvan Tamilselvan. R of III Year Electrical and Electronics Engineering have Participated in Circuit Debugging organized by Muthayammal Engineering College, Namakkal on 14.08.2025.
- Selvan Rohith. G, Selvan Rahul Das. R, Selvan Salman Butt. S, Selvan Gopi. V, Selvi Selvalakshmi. S of III Year Electrical and Electronics Engineering have Participated in Circuit Debugging organized by Sri Sai Ranganathan Engineering College, Coimbatore on 19.09.2025.
- Selvi Pujasri .N , Selvi Akalya. O of III Year Electrical and Electronics Engineering have Participated in Spark Squad organized by Anna University Regional Campus, Madurai on 27.09.2025.
- Selvan Samvardhini.S of II Year Electrical and Electronics Engineering have Participated in Quiz Whizzes organized by KPR Institute of Engineering and Technology, Coimbatore on 27.09.2025
- Selvi Narmatha. M , Selvi Kani Mozhi. M, Selvi Sandhiya. M, Selvi Aswini. M, Selvi Vaisha. R, Selvi Subashree. P of II Year Electrical and Electronics Engineering have Participated in Circuit Debugging organized by KSR College of Engineering, Thiruchengode on 10.10.2025.
- Selvi Akalya. O, Selvi Pujasri. N of III Year Electrical and Electronics Engineering have Participated in Treasurehunt organized by Hindustan Institute of Technology, Coimbatore on 15.10.2025.
- Selvi Akalya. O, Selvi Pujasri. N of III Year Electrical and Electronics Engineering have Participated in Quiz organized by Hindustan Institute of Technology, Coimbatore on 15.10.2025.
- Selvan Prabhu. K, Selvan Thivya Prasad. B.R, Selvan Loganathan. S of II Year Electrical and Electronics Engineering have Participated in Circuit Debugging organized by Sairam Institute of Technology , Chennai on 14.10.2025 & 15.10.2025

I.9.2.3. INFOSYS SPRINGBOARD COURSE COMPLETION DETAILS

S.No.	Class	Name of the Student	Name of the Infosys Springboard course completed
1.	IV EEE	ANANTHI C	Robotics course
2.	IV EEE	DEEPA V	Robotics course

3.	IV EEE	DHANUSHKUMAR R	Robotics course
4.	IV EEE	DHARSAN M	Programming using JAVA
5.	IV EEE	DHIVYA S	Robotics course
6.	IV EEE	GEETHA V	Introduction to python
7.	IV EEE	GOWRI A.A	Robotics course
8.	IV EEE	HARISH R	Robotics course
9.	IV EEE	ILAMATHI R	Robotics course
10.	IV EEE	KANIMOZHI R	Robotics course
11.	IV EEE	KAVIYA K	Robotics course
12.	IV EEE	KAVIYA S	Robotics course
13.	IV EEE	KEERTHANA S	Robotics course
14.	IV EEE	MANIBHARATHI A	Robotics course
15.	IV EEE	NARESH S	Robotics course
16.	IV EEE	NAVEENBAIRAVAN B	Robotics course
17.	IV EEE	NISHANTH V	Robotics course
18.	IV EEE	PERARASAN.V	Introduction to natural language processing
19.	IV EEE	PUVANESAN R M	Robotics course
20.	IV EEE	RAHUL KUMAR	AutoCAD Case Study -Solar electric panel design
21.	IV EEE	RAJASHREE N	Robotics course
22.	IV EEE	ROHITH P	Introduction to natural language processing
23.	IV EEE	SANTHOSH M	Blockchain 101
24.	IV EEE	SARAVANAKUMAR C	Robotics course
25.	IV EEE	SHANDRU P	Robotics course
26.	IV EEE	SRI RAM T	Robotics course

27.	IV EEE	SRIDHAR M	Robotics course
28.	IV EEE	SRIKARAN P B	Robotics course
29.	IV EEE	SURAJ KUMAR RAM	AutoCAD Case Study -Solar electric panel design
30.	IV EEE	SURIYAKRISHNA R B	Robotics course
31.	IV EEE	Syadh Shahith S	Robotics course
32.	IV EEE	THOMASRAJ A	Robotics course
33.	IV EEE	VANITHA K	Robotics course
34.	IV EEE	VISHVA J	Robotics course
35.	IV EEE	DEVASUDHARSANA M	Robotics course
36.	IV EEE	KIRTHICK SARAN	Robotics course
37.	IV EEE	RAJESH C	Robotics course
38.	IV EEE	SOMESHWARAN P	Robotics course
39.	III EEE	AKALYA O	Drone
40.	III EEE	ANUVIDHYA S	Drone
41.	III EEE	ASWIN P	NCERT Class 6 Physics - Electricity and Circuits
42.	III EEE	ASWINI M	NCERT Class 6 Physics - Electricity and Circuits
43.	III EEE	ATHITHYAN S	NCERT Class 6 Physics - Electricity and Circuits
44.	III EEE	DEEPAK K	NCERT Class 6 Physics - Electricity and Circuits
45.	III EEE	Elamurugan K	NCERT Class 6 Physics - Electricity and Circuits
46.	III EEE	GOKUL S	Drone
47.	III EEE	HARI PRASAD P	NCERT Class 6 Physics - Electricity and Circuits
48.	III EEE	HARISH KUMAR U	NCERT Class 6 Physics - Electricity and Circuits
49.	III EEE	HEMACHANDRAN P D	IoT & Electronics circuits
50.	III EEE	ILANDEVAN M	NCERT Class 6 Physics - Electricity and Circuits

51.	III EEE	INIYA S	NCERT Class 6 Physics - Electricity and Circuits
52.	III EEE	KANIMOZHI M	Introduction of cloud computing
53.	III EEE	KANNAN A	NCERT Class 6 Physics - Electricity and Circuits
54.	III EEE	KAVIN C	IoT & Electronics circuits
55.	III EEE	KISHORE M	NCERT Class 6 Physics - Electricity and Circuits
56.	III EEE	LOGESH R	Introduction to Automation testing
57.	III EEE	MANIKANDAN K	NCERT Class 6 Physics - Electricity and Circuits
58.	III EEE	MANIKANDAN P	NCERT Class 6 Physics - Electricity and Circuits
59.	III EEE	MONISH S	NCERT Class 6 Physics - Electricity and Circuits
60.	III EEE	NARMATHA M	Introduction to Automation testing
61.	III EEE	PRIARANJAN J	NCERT Class 6 Physics - Electricity and Circuits
62.	III EEE	PUGAZHENTHI N	Internet of things
63.	III EEE	PUJASRI N	Basics of electronics & programming
64.	III EEE	RAJA G	NCERT Class 6 Physics - Electricity and Circuits
65.	III EEE	SANDHIYA M	Introduction to Automation testing
66.	III EEE	SANDHIYA S	IoT & Electronics circuits
67.	III EEE	SANTHOSH V	NCERT Class 6 Physics - Electricity and Circuits
68.	III EEE	SERAN P	NCERT Class 6 Physics - Electricity and Circuits
69.	III EEE	SHAM VASANTH N	NCERT Class 6 Physics - Electricity and Circuits
70.	III EEE	SOWBAKIYA B	Introduction to microcontrollers & Coding [centrado kit]
71.	III EEE	SUBHASHREE P	NCERT Class 6 Physics - Electricity and Circuits
72.	III EEE	TAMILSELVAN M	NCERT Class 6 Physics - Electricity and Circuits
73.	III EEE	UMANATH S	Demystifying strategy
74.	III EEE	VAISHA R	NCERT Class 6 Physics - Electricity and Circuits

75.	III EEE	VAISHNAVI M	NCERT Class 6 Physics - Electricity and Circuits
76.	III EEE	VARUN B	NCERT Class 6 Physics - Electricity and Circuits
77.	III EEE	VETRISELVAN V	NCERT Class 6 Physics - Electricity and Circuits
78.	III EEE	VINULOGES K	NCERT Class 6 Physics - Electricity and Circuits
79.	III EEE	ANTONY RONALD M	NCERT Class 6 Physics - Electricity and Circuits
80.	III EEE	BHARATH R	NCERT Class 6 Physics - Electricity and Circuits
81.	III EEE	GOKUL G	Drone
82.	III EEE	GOPI V	NCERT Class 6 Physics - Electricity and Circuits
83.	III EEE	JAFFRIN D	NCERT Class 6 Physics - Electricity and Circuits
84.	III EEE	JAYAVARTHINI V	NCERT Class 6 Physics - Electricity and Circuits
85.	III EEE	LOGANATHAN S	NCERT Class 6 Physics - Electricity and Circuits
86.	III EEE	PRAVANJAN D	NCERT Class 6 Physics - Electricity and Circuits
87.	III EEE	Thanga Malar	NCERT Class 6 Physics - Electricity and Circuits
88.	II EEE	ABISHEK A	Python for data science
89.	II EEE	ABISHEK M	Electronics course
90.	II EEE	AKASH V	Python for data science
91.	II EEE	ARAVINDHAN S	Robotics course
92.	II EEE	BAGAVATHI S	Robotics course
93.	II EEE	DHANAJAYAN K V	Python for data science
94.	II EEE	DHARANEESH N	Python for data science
95.	II EEE	DHARANI THARAN C S	Robotics course
96.	II EEE	DINESH K B	Electronics course
97.	II EEE	DINESH S	Python for data science
98.	II EEE	GISHNU E	Robotics course

99.	II EEE	HARISH BOOPATHI M A	Robotics course
100	II EEE	JAGADESH N	Python for data science
101	II EEE	JEEVARAJAN M	Python for data science
102	II EEE	JOSEPH M	Python for data science
103	II EEE	KAMALESH T	Python for data science
104	II EEE	KAMALESH Y	Data science
105	II EEE	KARAN RAHUL V	Electronics course
106	II EEE	KISHORE M	Python for data science
107	II EEE	KOWSIK V	Python for data science
108	II EEE	MARIA VASANTH M	Robotics course
109	II EEE	MOHAMMED SAAJIDH S	Robotics course
110	II EEE	MOHAMMED SULAIMAN S M	Python for data science
111	II EEE	MOHANA V	AI bootcamp - for marketing
112	II EEE	MOSES VASANTHAN G	Electronics course
113	II EEE	MOULIKUMARAN M	Python for data science
114	II EEE	NANDHAKUMAR M	Electronics course
115	II EEE	NITHISH S	Robotics course
116	II EEE	NITHISH S	Python for data science
117	II EEE	PAVITHRA C	AI bootcamp - for marketing
118	II EEE	PRIYADARSHINI M	Electronics course
119	II EEE	RANJITHKUMAR S	Electronics course
120	II EEE	RENUGA DEVI M	Internet of things
121	II EEE	SAMVARDHINI S	Python for data science
122	II EEE	SARAN R	Python for data science

123	II EEE	SATHYAPRIYA G	AI bootcamp - for marketing
124	II EEE	SIVAKRISHNA S	Robotics course
125	II EEE	SOUNDAR S	Robotics course
126	II EEE	SRI BHARATH	AI bootcamp - for marketing
127	II EEE	SRIJANAPRIYA V	Electronics course
128	II EEE	SRITHAAR M	Robotics course
129	II EEE	SURESH KUMAR S	Python for data science
130	II EEE	TAMIL SELVAN C	Electronics course
131	II EEE	TAMILSELVAN R	Python for data science
132	II EEE	VAISHNAVI K	Electronics course
133	II EEE	VIJAYARAJ L	AI bootcamp - for marketing
134	II EEE	VISHNUDEVI A	AI bootcamp - for marketing
135	II EEE	YUVARAJ S	Electronics course
136	II EEE	ANSHU KUMAR B	Electronics course
137	II EEE	ARUNVIJAY R	Python for data science
138	II EEE	CHANDRU G P	Python for data science
139	II EEE	DINESH N S	AI bootcamp - for marketing
140	II EEE	MATHAVAN V	Python for data science
141	II EEE	MOHANLAL T	Python for data science
142	II EEE	PRAVEEN V	Python for data science
143	II EEE	PREM S	Python for data science
144	II EEE	RAGUL S	Robot arm in industries
145	II EEE	SIVAKUMAR P	Basics of electronics & programming

**IMPORTANT EVENTS
VIPS & DIGNITARIES VISITED / INTERACTED ONLINE**

S. No.	Name of the Function	Name	Designation	Organization	Date of Visit
1	Inauguration cum Guest Lecture on "Pathfinder – Navigating Jobs with Confidence"	Mr.JC.D.Navaneet hakrishnan	Managing Director, Vedha Agencies.	Vedha Agencies, Erode.	23.07.2025
2	Awareness Program on "Anti – Ragging and Drugs usage"	Thiru.N.Moorthy, B.Com.,B.L.	Judicial Magistrate Perundurai.	Judicial Magistrate Perundurai.	31.07.2025
3	Two Days Workshop on "Smart Control and Monitoring of Real Time Electrical Application Using Embedded Controller"	Mr.M.Sujith B.E.	Research and Development Engineer, AB Technologies, Chennai.	AB Technologies, Chennai.	11.09.2025 & 12.09.2025
4	Guest Lecture on "Unlocking Opportunities Through GATE"	MR.T.Ravisankar	Planning Engineer, Nuclear Power Project Kudankulam (Unit 1-6), Kanniyakumari .	Nuclear Power Project Kudankulam (Unit 1-6), Kanniyakumari.	17.09.2025
5	Awareness Program on "Energy Conversation"	Thiru.Siva Subramanian, BE, F IE	Retried Executive Engineer [Chartered Engineer Electrical]	Tamilnadu Power Distribution Corporation Limited/Erode	19.12.2025

GATE Exam Appeared Details

S.No.	Department	No. of Students Applied for GATE Exam
1	B.E. Electrical and Electronics Engineering	11

1. Project Room Facilitates in EEE Department

In addition to the above the following modelling and design software's are available to do the research using MATLAB, Motor and etc

2. Snapshots of Project Room



3. Project phase – I

S.No.	Name of the Product	Student Name	Faculty Name
1.	Smart IoT-Enabled Lithium Iron Phosphate Battery Monitoring and Control System Using ESP32 with Blynk Cloud Integration	DHARSAN M	Dr. P. Selvan
2.		ARAVINTH C	
3.		NITHAN S	
4.	Design and Implementation of Artificial Intelligence in Automation using IoT	SYEDH SHAHITH S	Dr. P. Selvan
5.		HARISH R	
6.		MAHAPRABU R	
7.	Modeling and Simulation of Integrated Renewable Energy Systems Incorporating Wind, Solar, and Soil Energy	KAVIYA K	Dr. R. Muthukumar
8.		ALEX A	
9.		SAM IMMANUAL J	
10.	Iot-Based Firefighting Robot With G Detection	VANITHA K	Dr. R. Muthukumar
11.		SRIDHAR M	
12.		ANANTHI C	
13.	A lightweight meta ensemble approach for plant disease detection suitable for IoT based environments	RAJASHREE N	Dr. S. Karthick
14.		UDHAYA DHEVAKI S	
15.		DHEEBAK V	
16.	Optimizing Battery Health through Cell Balancing and Reconditioning	GOWTHAMAN M	Dr. S. Karthick
17.		MOSES S	
18.		SARAVANA KUMAR C	
19.	Design And Implementation Of A Smart Control Reduced Switch Capacitor Of 29 Level Inverter For Ac Drive Applications	DHANUSH KUMAR R	Dr. P. Karuppusamy
20.		ATHISAYARAJ M	
21.		MANI BHARATHI A	
22.	Boost-LC Resonance Multimode DC-DC Converter for EV Charger Application	KANIMOZHI R	Dr. P. Karuppusamy
23.		SETHUPATHI K	
24.		SANJAI K	
25.	Optimized And Improved Wireless Power Transfer Systems	GEETHA V	Dr. L. Anbarasu
26.		ANISH P	
27.		KAVIYA S	
28.	Development Of Soft Switched Three Port Converter For Hybrid Systems In Frequency Regulation Applications	BALA CHANDAR S	Dr. L. Anbarasu
29.		ELANKUMAR G	
30.		SRIHARIHARAN V	
31.	Design And Implementation Of Mini DC Microgrid Kit	ARINSEYAN A	Dr. A. Johny Renald
32.		ELAVENDAR S	
33.		SURIYAKRISHNA R B	
34.	Renewable Energy-Driven	DEVASUDHARSANA M	

35.	Automation In Agriculture Powering Robots And Grass Cutters For Sustainable Farming	NARESH S	Dr. A. Johny Renald
36.		KEERTHANA S	
37.	Smart Agricultural Robot For Automated Watering And Fertilization Using Renewable Energy	GOWRI A A	Mr. E. Immanuel Brigh
38.		DHIVYA S	
39.		SARANRAJ M	
40.	AI And Iot Integrated Intelligent Pesticide Monitoring System For Organic Products	PUVANESAN R M	Mr. E. Immanuel Brigh
41.		NISHANTH V	
42.		SRIRAM T	
43.	Multifunctional Onboard Charger for Electric Vehicles Integrating a Low voltage DC-DC converter	RAJESH C	Mrs. S. Tamilselvi
44.		DEEPA V	
45.		NAVEEN BAIRAVAN B	
46.	AI based intelligent electric vehicle charging and energy management system for smart cities	JOSE J	Mrs. S. Tamilselvi
47.		KRITHICK SARAN T	
48.		RAHUL KUMAR	
49.	Smart Missile Interceptor System	SRIKARAN P B	Mrs. N. Jothipriya
50.		SOMESHWARAN P	
51.	For Miniature Drone Intrusions	SURAJ KUMAR	
52.	Intelligent Led Control For Enhance Night Vehicle Navigation	THOMASRAJ A	Mr. P. Karthikeyan
53.		PRADEEP KUMAR E	
54.		SESHATHTHRI M	
55.	Design And Implementation Of An On Board Ev Charger With Integrated Solar Roof Energy Harvesting And Low Voltage Dc-Dc Conversion	NITHEES KUMAR M G	Mrs. K. Preetha
56.		VISHVA J	
57.		JAYA SURYA M	
58.	Cloud Iot Framework For Transformer Health Monitoring System and Predictive Failure Detection	SANTHOSH M	Mr. V. S. Nivedhan
59.		ILAMATHI R	
60.		SHANDRU P	
61.	Design and Implementation Of A Non-Isolated High Gain DC-DC Converter for Artificial Poultry Brooding System	ROHITH P	Mr. P. Karputha Pandi
62.		PERARASAN V	
63.		PUNITHAKUMAR S	

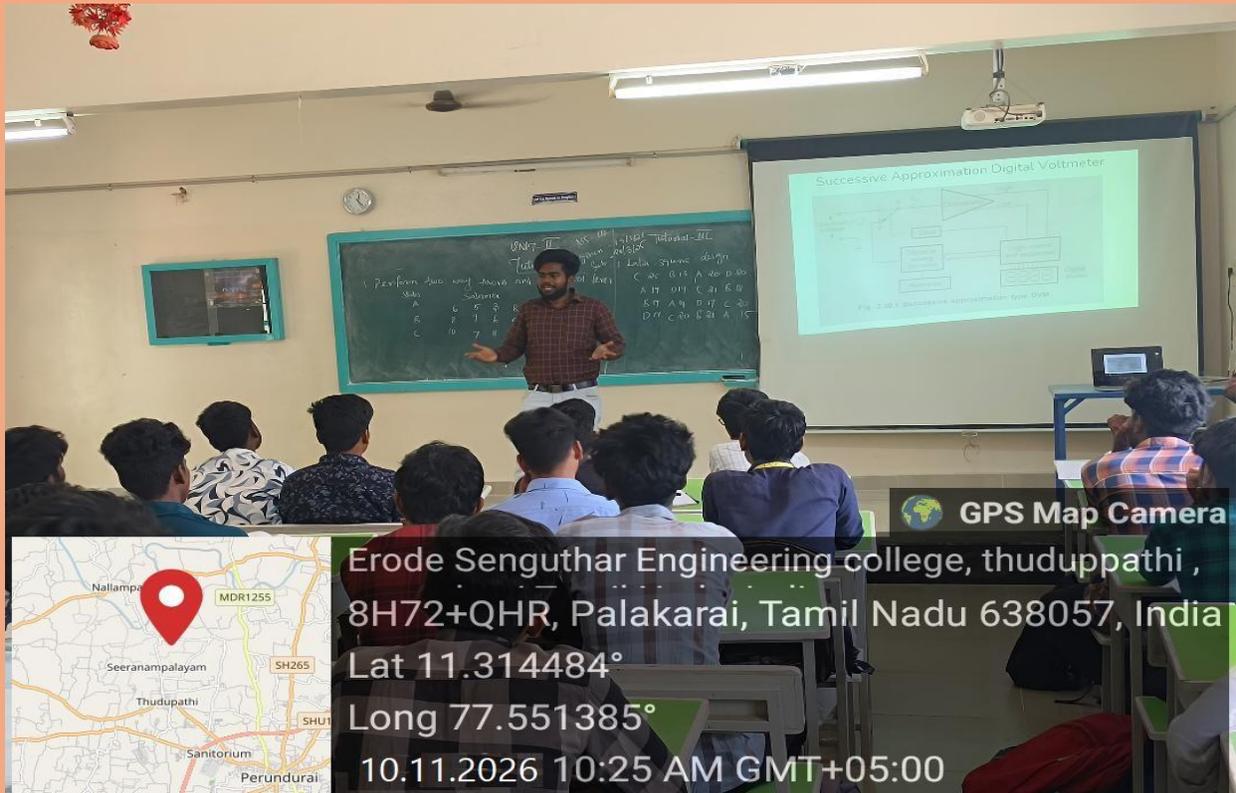
4. PG Project phase – I

S.No.	Name of the Product	Student Name	Faculty Name
1.	Power Quality Enhancement in Distribution Systems Using A PV Integrated Modular Multilevel Converters STATCOM	BHUVANESWARAN R	Dr. P. Selvan
2.	Implementation of a Four-Port High-Gain DC-DC Converter with Enhanced Ripple Reduction For Multi-Source Electric Vehicle Power Systems	EZHILARASAN B M	Dr. L. Anbarasu
3.	Design and Implementation of a high Efficiency Power Conversion System using Z-Source Boost Converter with ANN based MPPT Algorithm	GOKULNATH K A	Dr. R. Muthukumar
4.	Implementation of a Grid-Connected PV-Wind Hybrid Power System using ANN-based MPPT and Modified Quadratic DC-DC Converter	HARIHARAN V	Mr. E. Immanuel Bright
5.	Development of a Grid-Connected PV-EV System using adaptive perturb & observe MPPT AND GA-optimized sliding mode control	JAYA PRIYA J	Mrs. S. TamilSelvi
6.	Optimized Brain Tumor Detection: A Dual-Module Approach for MRI image Enhancement and Tumor Classification	KAMATCHI R	Dr. S. Karthick
7.	Design and Development of a Bridgeless Manitoba Rectifier for High-Efficiency Wireless Power Transfer	NAMASIVAYAM G	Ms. N. Jothipriya
8.	Implementation of an improved SEPIC Converter-based Solar Energy Management System with grid and EV Integration	PERUMAL I	Dr. A. Johny Renoald
9.	A Novel SPECI-Buck Converter Based Active Cell Balancing Topology for Cells in the Battery for Electric Vehicle Applications	SATHISH KUMAR D	Mr. P. Karthikeyan
10.	Development of a DC-DC Boost Converter Using RBFNN Based MPPT Algorithm with Integrated Fault Monitoring System	SATHYA BAMA M	Dr. P. Karuppusamy

DETAILS REGARDING ALUMNI ASSOCIATION

Mr.Sakthivel R, shared his experience about Post-graduation after completing a degree in Electrical and Electronics engineering can be an excellent choice for further specialization

and career advancement on. 10.11.2025



EXTENSION ACTIVITIES

EXTENSION ACTIVITIE 01:

The Extension Activity - Orphanage Visiting was organized by Mr. **Karthikeyan P, AP/EEE** on **14.08.2025**. The program aimed to promote social responsibility among students by providing care, support, and interaction with orphaned children, creating awareness about community service and humanitarian values.



Dr P Selvan and L Anbarasu

Chief Editors

ESEC EEE Newsletter

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Erode Sengunthar Engineering College

Perundurai, Erode - 638 057

Phone: 04294-232701, 702