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KAMESH N II yr
MONESH B II Yr
PRIYA S II yr

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**PANIMALAR
ENGINEERING COLLEGE**

An Autonomous Institution
Affiliated to Anna University, Chennai
(JAISAKTHI EDUCATIONAL TRUST)

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

VISION OF THE DEPARTMENT

To be a Centre of excellence in Electrical and Electronics Engineering education, fostering innovation and technical expertise to meet the evolving needs of society with credibility, integrity, and ethical values

MISSION OF THE DEPARTMENT

M1: To achieve excellence in curricular and co-curricular activities by providing quality education through dedicated faculty and effective teaching methods.

M2: To equip students with technical competence and practical skills through research-driven learning and industry-focused training.

M3: To nurture dedicated Electrical and Electronics Engineers who take pride in serving their profession and society with responsibility and integrity.



FROM PRINCIPAL'S DESK



I am delighted to know that our EEE department newsletter carrying the campus news and the achievements of our staff and students, who earn credits for the institutions, is being released. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

Dr. K. MANI M.E., Ph.D.
Principal, PEC

FROM HOD'S DESK



The Department of Electrical and electronics engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

Dr. S. SELVI M.E., Ph.D.
Professor and Head

STUDENT ACHIEVEMENTS



Sunil Kumar from EEE-C, Second Year for winning 1st Prize at Genesis 25' conducted by SRM Institute of Technology in the AskGPT event

EEE Department



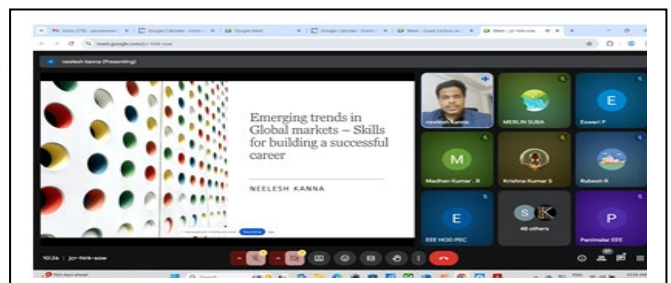
K.Sivaramakrishnan, Kavin T, Kathirvel S, A.Rohith from EEE Department for winning 1st Prize a PEC Techathon 3.0 ,2025 powered by Cognizant

DEPARTMENT ACTIVITIES

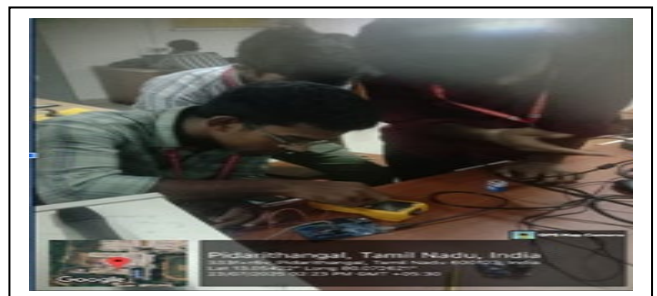
Department of EEE organized a Seminar on "Engineering Careers Exploring Competitive Exams Research and PSU Opportunities "" for III Year Students July 2025. The gathering was welcomed by **Dr. S, Selvi, Professor /EEE**. The speakers of the event to create awareness about Competitive Exams Research and PSU Opportunities



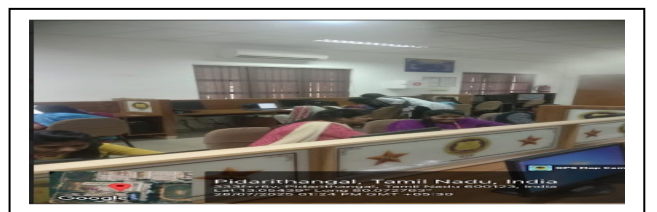
The Green Energy Club, Department of EEE organized a Guest Lecture on "Emerging Trends in Global Markets -Skills for Building a Successful Career'" for II Year Students September 2025. The gathering was welcomed by **Dr. S, Selvi, and Professor/EEE**. The speakers of the event to create awareness about Emerging Trends in Global Markets -Skills for Building a Successful Career'.



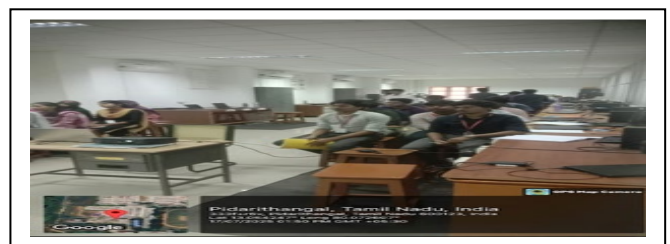
Department of EEE organized a Workshop on "Autonomous Vehicle Workshop" for II Year EEE Students on July 2025. The gathering was welcomed by **Dr.S.Selvi.Professor/EEE**. The trainer Provides the hands on training on Autonomous Vehicle.



Department of EEE organized a Workshop on Computer Vision workshop for II Year EEEE students on July 2025. The trainer provides the hands on training of Computer vision. The gathering was welcomed by **Dr.S.Selvi, Professor/EEE**



Department of EEE organized a Workshop on Computer Vision workshop for II Year EEEE students on July 2025. The trainer provides the hands on training of Computer vision. The gathering was welcomed by **Dr.S.Selvi, Professor/EEE**



STAFF PUBLICATIONS

- DR.S.SELVI, “Interplay of flux-controlled memristive synapse and Josephson junction properties in modified Morris–Lecar neuron dynamics”, Springer - Electrical Engineering, 2025.
- DR.S.SELVI, “Predicting Concrete Strength Using Regression- Based Machine Learning Techniques.”, International Journal of Civil Engineering ,2025.
- Dr. D Silas Stephen., “Dynamic voltage regulation in DC micro grids using super-twisting sliding mode controllers”, Springer - Electrical Engineering,2025.
- Dr. D Silas Stephen., “Energy Harvesting from Ambient Vibrations Using Piezoelectric Materials: A Sustainable Approach To Powering IoT Devices”, International Journal of Environmental Sciences,2025.
- Dr. P.S.RAMAPRABA., “Deep Learning Driven Anomaly Detection in Social Graphs by Using Anti-Corona Political Optimization”, International Journal of Basic and Applied Science,2025.
- Dr. P.S.RAMAPRABA., “Advanced 15-Level Inverter Design for Solar PV Integration”, Journal of Environmental Protection and Ecology 2025.
- Dr. R.DHARMA PRAKASH., “Advanced 15-Level Inverter Design for Solar PV Integration”, Kufa Journal Of Engineering, 2025.
- Dr. R.DHARMA PRAKASH., “A Novel Modified Multilevel Inverter for Improved Performance in Renewable Energy Systems”, SSRG International Journal of Electrical and Electronics Engineering, 2025.
- Dr.S.Deepa, “Wind turbine defect detection using deep learning” International Journal of Power Electronics and Drive System (IJPEDS)2025.
- Dr. N. MANOJ KUMAR, “Innovative Control Techniques for Enhancing Signal Quality in Power Applications: Mitigating Electromagnetic Interference” MDPI 2025.
- Dr. B. MUTHURAJ, “A hybrid artificial intelligence framework for predicting electrical and thermal properties of graph enenano platelet-enhanced nano electronic materials” Journal of Computational Electronics 2025.
- Dr.A.Sivakumar, “An effective power quality enhancement system for integrated photovoltaic cells utilizing cascaded ANFIS in a unified power quality conditioner” Future Technology. 2025.
- Dr. G.MERLIN SUBA, “Deep Learning Driven Short Term Solar Radiation Forecasting System Using Temporal Attention Gated Convolutional Network Model” SSRG International Journal of Electrical and Electronics Engineering. 2025.