lendi Institute of Engineering & Technology
Autonomous

NEWSLETTER

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INSTITUTE VISION

Producing globally competent and quality technocrats with human values for the holistic needs of industry and society.

INSTITUTE MISSION

- Creating an outstanding infrastructure and platform for enhancement of skills, knowledge and behaviour of students towards employment and higher studies.
- Providing a healthy environment for research, development and entrepreneurship, to meet the expectations of industry and society.
- Transforming the graduates to contribute to the socio-economic development and welfare of the society through value based education.

DEPARTMENT VISION

To be a center of excellence in imparting knowledge, skills and ethical values, while fostering innovation, sustainability and globally competent to make exemplary contributions to the field of Electrical and Electronics Engineering.

DEPARTMENT MISSION

- To impart technical education using state-of-the-art infrastructure, laboratories, and instructional methods, ensuring students acquire comprehensive knowledge and skills.
- To foster industry-oriented learning by facilitating internships, industrial visits, collaborative projects with industries.
- To create a congenial environment for higher education, employment, and entrepreneurship by delivering quality education, enhancing professional skills and promoting research and innovation.
- To promote societal commitment and ethical leadership by instilling moral values and encouraging responsible engineering practices among students.

PROGRAM EDUCATIONAL OBJECTIVES

- Graduates will possess a strong foundation in core and interdisciplinary areas of Electrical and Electronics Engineering along with analytical and computational skills, enabling them to tackle global challenges through innovative and critical problem-solving
- Graduates will actively engage in research, entrepreneurship, and innovation to address contemporary challenges in Electrical and Electronics Engineering while promoting sustainable and inclusive technological development for the betterment of society.
- Graduates will exhibit effective communication skills, collaborative abilities, and ethical values, preparing them for successful careers, higher education, and leadership roles in a rapidly evolving competitive environment.

PROGRAM SPECIFIC OUTCOMES

- PSO1: Capable of design, develop, test, verify and implement electrical and electronics engineering systems and products.
- PSO2: Succeed in national and international competitive examinations for successful higher studies and employment.

RESEARCH CONTRIBUTIONS

1. Dr.B.Parusharamulu, , Dr.K.Subbaramaiah published a paper on Optimal power management and robust control scheme for AC–DC microgrid involving renewable and conventional sources in Journal of Electrical engineering.
2. Dr.P.Janaki published a paper on Impact of Parasitics on the Dynamic Performance of Capacitor Clamped Bidirectional DC–DC Converter in IET Power Electronics.
3. Mr. J. Vijaychandra, Mr. K. Vedaprakash, Mrs. B. Vanajakshi published a paper on An Evaluation of a medium-power Grid- Integrated Solar Photovoltaic System MPPT Energy Capturing Capability Using ANN in International Journal of Electronics and Telecommunications.
4. Mr.K.Veda Prakash, Mrs.T.Sravya published a paper on AI-Driven Adaptive Power Management system with Multi-source DC supply, PI and PID Motor Control in International Journal of Environmental Sciences.
5. Dr.K.Praveen Kumar Yadav published a paper on E-bikes unplugged: exploring the evolution and environmental benefits of electric cycling in International Journal of Advances in Applied Sciences (IJAAS).
6. Dr.B.V.S.Acharyulu published a paper on Capacitor and Super capacitor reliability analysis utilizing NEO-FUZZY Neural Learning in Journal of Theoretical and Applied Information Technology.
7. Mrs.K.Aswini published a paper on A Robust Machine Learning Based Ssytem for Battery Grading and Lifecycke Prediction for Electric Vehicle Apllications in International Journal of Information Technology.
8. Mr.J.Vijaychandra presented and published a paper on Optimal Design of the Outer-Rotor BLDC Motor for Electric Bike at 2025 Progress in Applied Electrical Engineering (PAEE).
9. Mr.J.Vijaychandra, Mrs.B.Vanajakshi presented and published a paper on Optimal Setting of ANN Weights using Resilient Backpropagation Approach in a Grid Connected Solar PV System at 2025 IEEE Wireless Antenna and Microwave Symposium (WAMS).
10. Mrs.T.Sravya, Mr.M.Satish, Mr.J.Vijaychandra presented and published a paper on Optimal Setting of ANN Weights using Resilient Backpropagation Approach in a Grid Connected Solar PV SystemActive Cell Balancing Using Buck Boost Converter for Lithium-Ion Batteries at 2025 IEEE Wireless Antenna and Microwave Symposium (WAMS).
11. Mr.J.Vijaychandra, Mr.K.Ravisankar presented and published a paper on Optimum interconnection of connection weights of an ANN employing metaheuristic approaches: A comparative analysis at Ai Powered Technology Integration for Sustainability.

STUDENT PARTICIPATIONS

K. Harsha kumar, S. Ranjit kumar, S. Divya, R. Navya sri won first prize in project expo on LPG GAS LEAKAGE DETECTION SYSTEM WITH AUTO CUTOFF REGULATOR at Engineers day event, LIET, Vizianagaram

EAn LPG Gas Leakage Detection System with Auto Cutoff Regulator is a safety system designed to prevent accidents caused by gas leakage. It continuously monitors the presence of LPG using a gas sensor and activates an alarm when leakage is detected. Simultaneously, an automatic cutoff mechanism closes the gas supply to stop further leakage. This system enhances safety in homes and industries by reducing the risk of fire, explosion, and gas-related hazards.

STUDENT PARTICIPATIONS

Ch.Praveen and his team won first prize in project expo on Developing a cost effective solution for detecting the breakage of Low Voltage AC Distribution Over Head conductors at National Innovation day event, LIET, Vizianagaram

Developing a cost-effective solution for detecting the breakage of low-voltage AC distribution overhead conductors focuses on improving safety and reliability in power distribution networks. The system continuously monitors electrical parameters such as current, voltage, or line continuity to identify sudden abnormalities caused by conductor breakage. When a fault is detected, the system quickly generates an alert or isolates the affected section to prevent accidents, power loss, and equipment damage. Such a low-cost monitoring approach is especially suitable for rural and semi-urban distribution systems where economical and reliable fault detection is essential.

STUDENT PARTICIPATIONS

B.S.K. Samanvitha, Ch. Sohitha Sai, Ch. Hemanth Kumar, Ch. Praveen Kumar won third prize in project expo on Peer-to-Peer Smart Energy Trading at VISTA-2K25, held at Vignan Institute of Engineering and Technology (A), Vishakapatnam.

Peer-to-Peer Smart Energy Trading is an innovative approach that allows consumers and prosumers to directly buy and sell electrical energy among themselves using digital platforms. By leveraging smart meters, blockchain, and communication technologies, the system enables secure, transparent, and real-time energy transactions. This model improves renewable energy utilization, reduces dependency on centralized utilities, and promotes a more efficient and sustainable power system.

FACULTY AWARDS

Dr.K.Subbaramaiah, Professor and HOD, EEE, has been awarded as the best teacher under Professor category

Mr.K.Ravisankar, Associate Professor, EEE, has been awarded as the best teacher under Associate Professor category

Mr.J.Vijaychandra, Assistant Professor, EEE, has been awarded as the best teacher under Assistant Professor category

STUDENT PLACEMENTS

lendi

2026 Placements

Department of
Electrical & Electronic Engineering

Congratulations

for being placed in JMAN GROUP

8.5 LPA

A.Krishnavamsi
22KD1A0202

lendi

2026 Placements

Department of
Electrical & Electronic Engineering

Congratulations

for being placed in VEM TECHNOLOGY PRIVATE LIMITED

6 LPA

G.Sekhar
23KD5A0206

lendi

2026 Placements

Department of
Electrical & Electronic Engineering

Congratulations

for being placed in UTS Unistring Tech Solutions

6 LPA

P.Sri Mahalaxmi
22KD1A0284

lendi

3.6 LPA

Department of
Electrical & Electronic Engineering

2026 Placements

Congratulations

for being placed in Infosys

E.Brunda
22KD1A0231

K.Leelavathi
22KD1A0245

K.Sravani
22KD1A0250

M.Dhanalaxmi
22KD1A026

N.Hymavathi
22KD1A0278

P.Sri Mahalxmi
22KD1A0284

S,Dhanalaxmi
22KD1A02A3

U.Teja
22KD1A02B8

V.NavyaSri
22KD1A02C0

K.Sai Sailaja
23KD5A0209

M.Geetanjali
23KD5A0210

STUDENT INTERNSHIP

A.Krishnavamsi under the mentorship of Dr.P.Janaki and Dr.K.Subbaramaiah has been selected for STAR-PNT Internship initiated by IIT Tirupati. The title of the project is “Enhanced College bus safety system through satellite technology”.An Enhanced College Bus Safety System through Satellite Technology aims to improve student safety by using GPS and satellite-based communication for real-time vehicle tracking and monitoring. The system enables continuous location updates, route supervision, and speed monitoring of college buses. In case of emergencies or deviations, alerts can be instantly sent to authorities and parents, ensuring timely response and safer transportation.

N.Vishnuvardhan under the mentorship of Dr.B.V.S.Acharyulu and Dr.K.Subbaramaiah has been selected for STAR-PNT Internship initiated by IIT Tirupati. The title of the project is “Smart Drone System for Disastor response”.A Smart Drone System for Disaster Response is designed to support rapid assessment and rescue operations during natural or man-made disasters. Equipped with cameras, sensors, and GPS, the drone can provide real-time aerial surveillance, identify affected areas, and locate survivors in inaccessible regions. This system improves response time, situational awareness, and coordination for emergency management teams.

P.Sri Mahalakshmi under the mentorship of Dr.T.Papinaidu has been selected for STAR-PNT Internship initiated by IIT Tirupati. The title of the project is “AC Load Monitoring System.”.An AC Load Monitoring System is used to continuously observe and analyze the electrical load connected to an AC supply. It measures key parameters such as voltage, current, power, and energy consumption in real time. This system helps in detecting overload conditions, improving energy efficiency, and ensuring safe and reliable operation of electrical appliances and distribution networks.