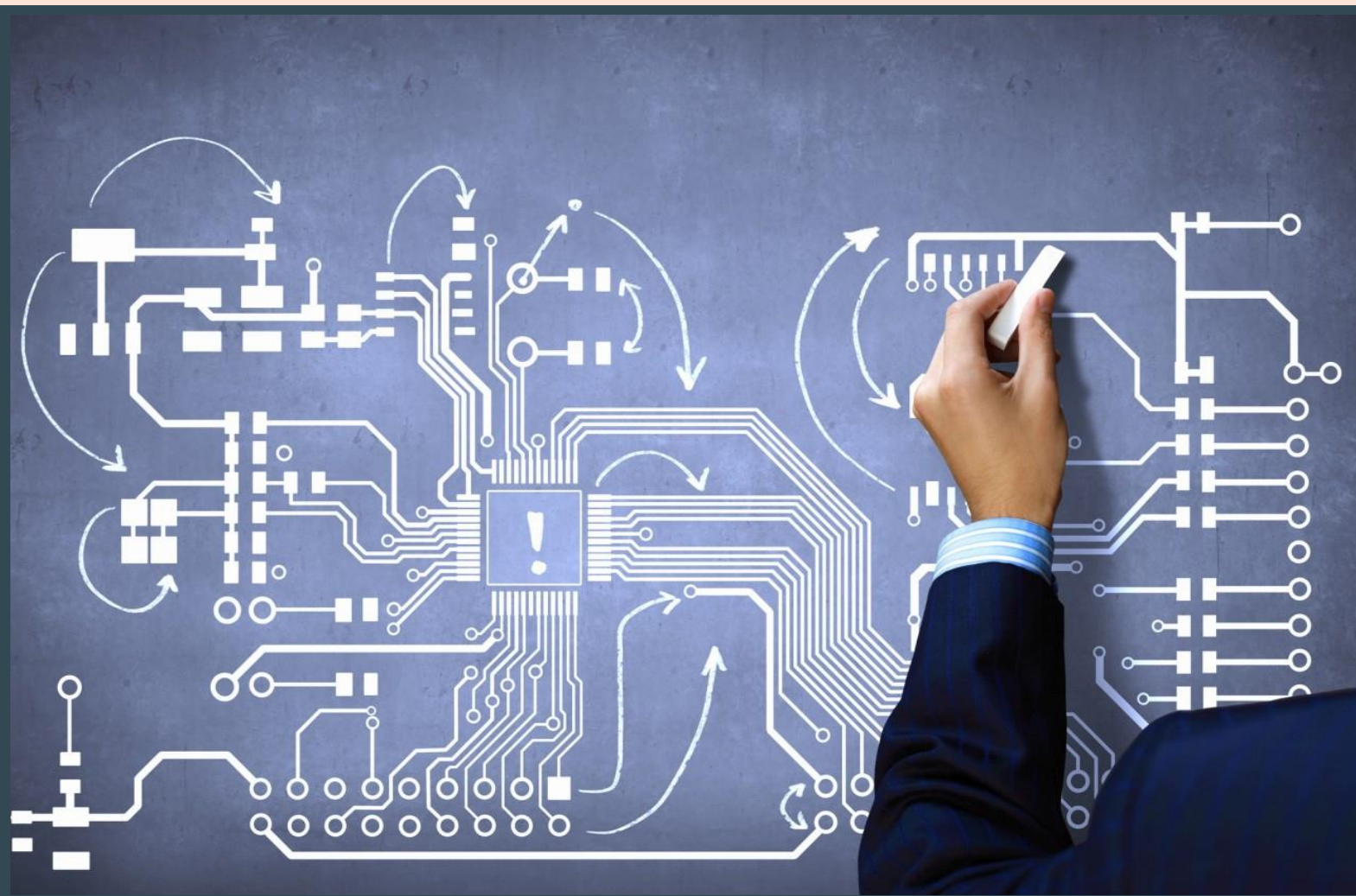


CIRCUITRY CHRONICLES

N E W S L E T T E R

ELECTRICAL & ELECTRONICS ENGINEERING



NOVEMBER - DECEMBER 2025

CONTACT US

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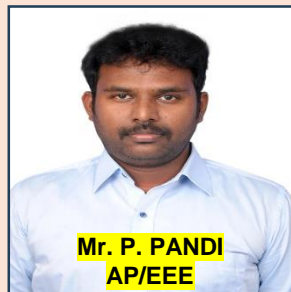
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

About the Department

The Department of Electrical and Electronics Engineering was established in the year 2008 with the aim of combining modern teaching methods with interdisciplinary knowledge, human values and professional ethics. The department offers a unique blend of theory and practice. It provides a quality learning environment, in terms of state-of-the-art facilities, sharing and widening of knowledge through Memorandum of Understanding (MoU) with relevant industries and interacting with experts from academia and industry. The department is well equipped with state-of-the-art laboratories such as the Electrical Machines Lab, Electric Circuits Lab, Control Systems Lab, Measurement and Instrumentation Lab, Engineering Practices Lab, Power Electronics Lab, Power System Simulation Lab and Electric Drives and Control Lab. To improve practical and simulation skills, MATLAB Software with all tool boxes has been provided. Power World Simulator, MI Power, PSpice and MultiSim software programs have been provided to improve the designing ability of the students.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

- To create a thriving community where enduring student relationships flourish, fostering a culture of innovative idea development, socially responsible, and ethically driven engineers in the electrical industry.

MISSION

- To nurture students, enabling them to effectively confront professional challenges and emerge as outstanding engineers and technocrats.
- To provide a holistic and comprehensive education that ensures total quality, encompassing broad exposure and value additions.
- To engage in research within the realm of Electrical and Electronics Engineering, addressing the needs of the industry, scientific community, and society at large.

Program Name: EEE Association Inauguration & Guest Lecture

Guest Speaker: Mr. R. Lakshmanan, Managing Director, Dhronav Info Tech, Namakkal

Date: 07-11-2025

Participants: I Year – IV Year

Venue: C Block Seminar Hall

Program Objective

- To formally inaugurate the EEE Association for the academic year 2025–26 and introduce the newly elected office bearers.
- To expose students to the recent developments in Smart Automation and IoT applications in the electrical industry.
- To bridge the gap between academic learning and industrial practices through expert interaction.
- To motivate students to develop innovative projects and solutions aligned with modern industrial trends.

Description:

The Department of Electrical and Electronics Engineering, Chettinad College of Engineering and Technology, Karur, organized the EEE Association Inauguration for the academic year 2025–26 along with a Guest Lecture on the topic “Smart Automation in Electrical Industry using IoT” on 7th November 2025 at the C Block Seminar Hall. The event commenced with the traditional lighting of the Kuthuvizhakku, followed by the welcome address delivered by a student representative. The program witnessed the introduction of the AEEE Association Office Bearers for the academic year 2025–26, who took charge of organizing various technical and co-curricular activities for the department. The list of proposed events and programs for the year was also presented during the inauguration by Mr. P. Pandi, AP/EEE.

The highlight of the event was the guest lecture delivered by Mr. R. Lakshmanan, Managing Director, Dhronav Info Tech, Namakkal, on the topic “Smart Automation in Electrical Industry using IoT.” He elaborated on the recent advancements in IoT-based automation systems and their applications in the electrical industry. The session provided valuable insights into smart industrial practices, energy management, predictive maintenance, and the role of IoT in improving system reliability and operational efficiency. Students from first year to final year of the EEE department actively participated in the program. The lecture was followed by an interactive session, where students clarified their doubts and gained practical exposure to industrial automation concepts.

The program concluded with a vote of thanks, expressing gratitude to the management, principal, faculty members, and the guest speaker for their support and contribution to the successful conduct of the event. The inauguration and guest lecture served as an inspiring beginning for the departmental activities of the academic year 2025–26, motivating students to enhance their technical knowledge and professional skills in the evolving field of Electrical and Electronics Engineering.

Event Photos:



Title of the Course: IoT Applications based on Embedded Sensor Nodes

Target Group: III Year B.E. Electrical and Electronics Engineering (EEE) Students

Dates: 29-12-2025 to 31-12-2025 (3 Days)

Organized by: Association of Electrical and Electronics Engineering – ELECTRA & IEI Student Chapter

Resource Person: Mr. R. Lakshmanan, Managing Director, Dhronav Info Tech

Description:

The Association of Electrical and Electronics Engineering – ELECTRA, in association with the IEI Student Chapter, successfully organized a three-day Value-Added Course titled “IoT Applications based on Embedded Sensor Nodes” for III-year Electrical and Electronics Engineering students during the academic year 2025–26 (Even Semester).

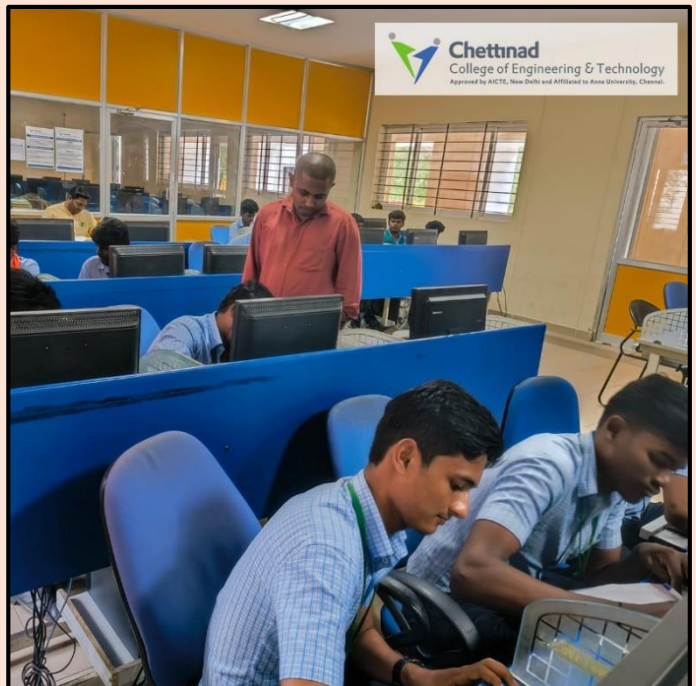
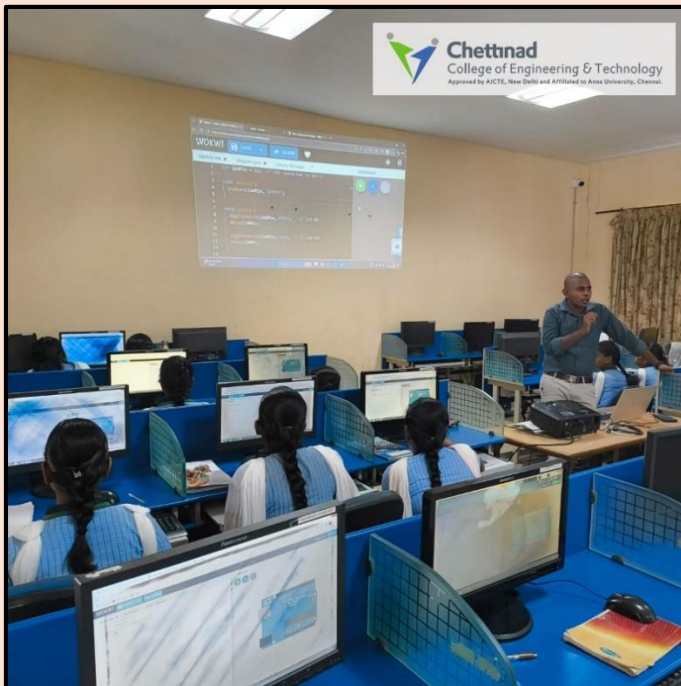
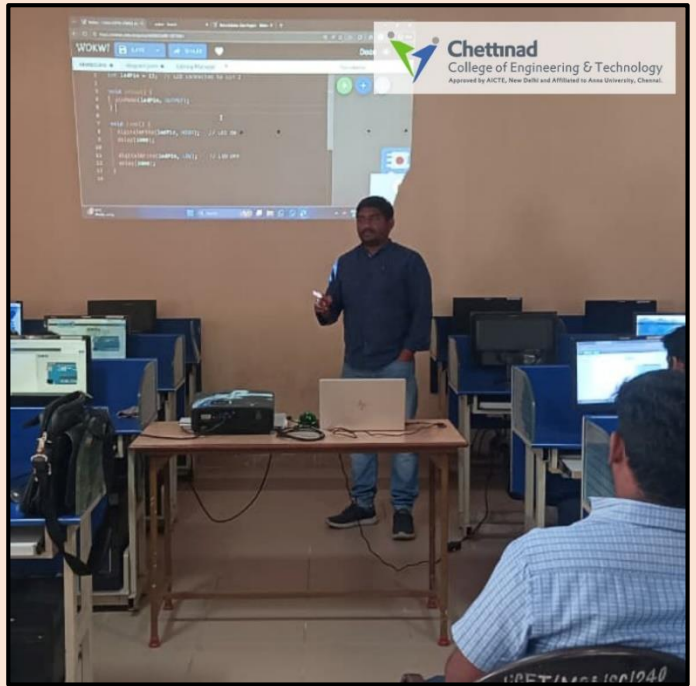
The program was conducted from 29th to 31st December 2025 with the objective of strengthening students’ practical knowledge in emerging IoT technologies and embedded system design. The course was led by Mr. R. Lakshmanan, Managing Director, Dhronav Info Tech, who shared his extensive industry experience and practical insights with the participants. The sessions were carefully structured to bridge the gap between theoretical concepts and real-world IoT implementations.

The program commenced with an introduction to the foundations of IoT and embedded systems, providing students with a clear understanding of system architecture, components, and applications. This was followed by hands-on training with embedded sensor nodes, where participants learned sensor interfacing, data acquisition, and microcontroller-based system development. Emphasis was placed on practical IoT application development, enabling students to design and implement real-time monitoring and control solutions.

Advanced topics such as edge computing, device control strategies, networking protocols, and cloud integration were also covered, offering students exposure to modern IoT frameworks and deployment techniques. Interactive sessions, live demonstrations, and practical exercises ensured active participation and enhanced learning outcomes.

The value-added course significantly enriched the technical competence of the students and motivated them to explore innovative IoT-based solutions in electrical and electronics engineering applications. The initiative reflects the department’s commitment to industry-oriented learning and skill development beyond the curriculum.

Event Photos:



Program Name: PROJECT EXPO - TECHNOBATTLE'25

Date: 23-12-2025

Participants: II Year – IV Year

Venue: EEE Workshop Laboratory

Description:

TECHNOBATTLE'25, the Mini Project Expo of Chettinad College of Engineering and Technology, was conducted successfully with active participation from all departments. The event served as a vibrant platform for students to demonstrate their innovation, technical knowledge, and practical problem-solving skills through mini projects. Our department student submitted 35 projects to display for external and internal jury's evaluation. The projects covered a wide range of emerging and core engineering domains including Internet of Things, Embedded Systems, Renewable Energy Systems, Electric Vehicles, Power Systems. This clearly reflects the strong alignment of student projects with current industry and societal needs. All projects were evaluated using a structured and transparent evaluation process focusing on innovation, technical depth, implementation quality, and presentation skills. The evaluation also contributed to department-wise performance and overall championship results. The major outcomes of TECHNOBATTLE'25 include enhanced hands-on learning, improved teamwork and communication skills, exposure to emerging technologies, encouragement of innovation culture, and identification of promising projects for further development and competitions. In conclusion, TECHNOBATTLE'25 was successfully organized and achieved its intended objectives. The success of this event is the result of the continuous support from the Respected Principal, Respected Admin, management, the dedicated efforts of the organizing committee and faculty coordinators, the valuable contribution of the jury members, and the enthusiastic participation of our students.

Project Expo Photos:





DEPARTMENT PLACEMENTS



Chettinad

College of Engineering & Technology

Approved by AICTE-New Delhi and Anna University-Chennai



CONGRATULATIONS!

We Congratulate Our **BE - EEE** Students
placed as **Graduate Engineer Trainee** in
Shree Abirami Engineering Works Pvt Ltd



BALAMURUGAN V



MANOJ M



NAGESHWARI P



PRATHEESHA VARDHINI K L



SUREN K



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INSTITUTION INNOVATION COUNCIL

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