

CIRCUITRY CHRONICLES

N E W S L E T T E R

ELECTRICAL & ELECTRONICS ENGINEERING



MAY - JUNE 2026

CONTACT US

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Visit us: www.chettinadtech.ac.in

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CREATIVE DESK

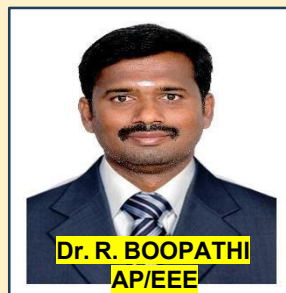
Advisory Board



Editor-in- Chief



Board of Editors



Student Editors



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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.

Programme Name: Industrial Training (Exclusively for ChettinadTech Third-year students)

Organizing Department: Electrical and Electronics Engineering

Duration: 15 Days

Date: 10-06-2026 to 24-06-2026

Venue: Chettinad Cement Corporation Ltd, Puliur C.F, Karur

Description:

The Department of Electrical and Electronics Engineering successfully organized a 15-day Industrial Training Programme for the third-year students of Chettinad College of Engineering and Technology from 10th June 2026 to 24th June 2026. The training was conducted at Chettinad Cement Corporation Ltd., Puliur C.F., Karur, providing students with an excellent opportunity to bridge the gap between academic learning and industrial practice.

The primary objective of the programme was to expose students to real-world industrial operations, electrical systems, maintenance practices, and automation technologies employed in one of the leading cement manufacturing industries. Throughout the training period, students observed various stages of the cement production process and gained practical insights into the functioning of electrical equipment, power distribution systems, motor control centers, substations, transformers, switchgear, and industrial safety practices.

Industry experts and experienced engineers from Chettinad Cement Corporation conducted interactive sessions on preventive and predictive maintenance, troubleshooting techniques, electrical protection systems, energy management, and process automation. Students also learned about the role of instrumentation and control systems in ensuring efficient plant operations. Guided visits to different production units enabled them to understand how theoretical concepts studied in the classroom are applied in large-scale industrial environments.

The programme also emphasized workplace discipline, safety regulations, teamwork, and professional ethics, helping students develop the skills and confidence required for their future careers. Hands-on exposure to industrial equipment and discussions with practicing engineers enhanced the students' technical knowledge and provided valuable insights into current industry practices and technological advancements.

The Department of Electrical and Electronics Engineering expresses its sincere gratitude to the management and technical team of Chettinad Cement Corporation Ltd., Puliur C.F., Karur, for extending their support and providing an enriching learning experience. The industrial training programme proved to be highly beneficial, equipping students with practical knowledge, industry exposure, and professional competencies that will contribute significantly to their academic growth and career development.



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Organizes 15 Days
INDUSTRIAL TRAINING

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Puliyur, Karur.**

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Programme Name: Value-Added Course on “Embedded Systems Programming using Arduino IDE

Organizing Department: Electrical and Electronics Engineering

Duration: 3 Day

Date: 29-06-2026 to 01-07-2026

Venue: EEE Workshop

Description:

The Department of Electrical and Electronics Engineering successfully organized a three-day Value-Added Course on "Embedded Systems Programming using Arduino IDE" exclusively for the second-year EEE students from 29th June 2026 to 1st July 2026 at the EEE Workshop. The programme was designed to equip students with practical knowledge of embedded systems and hands-on experience in programming microcontroller-based applications using the Arduino platform.

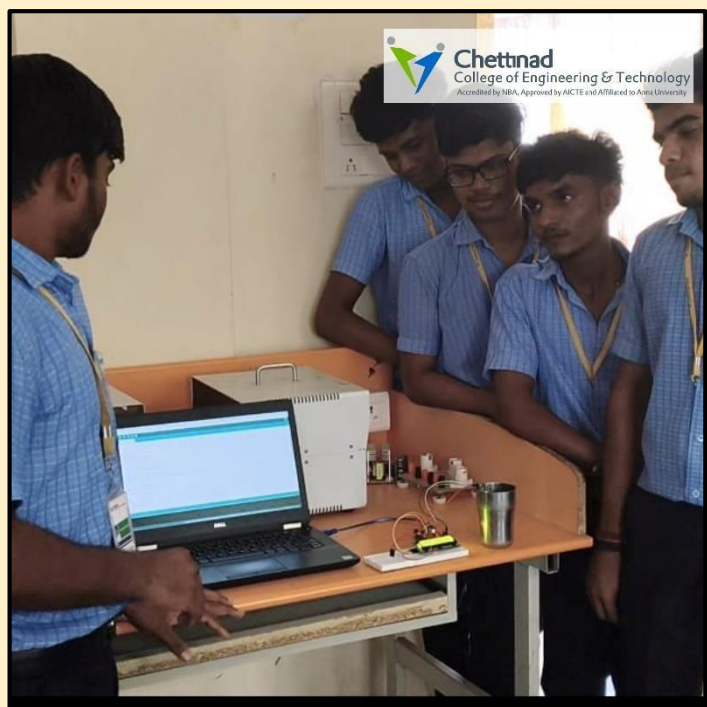
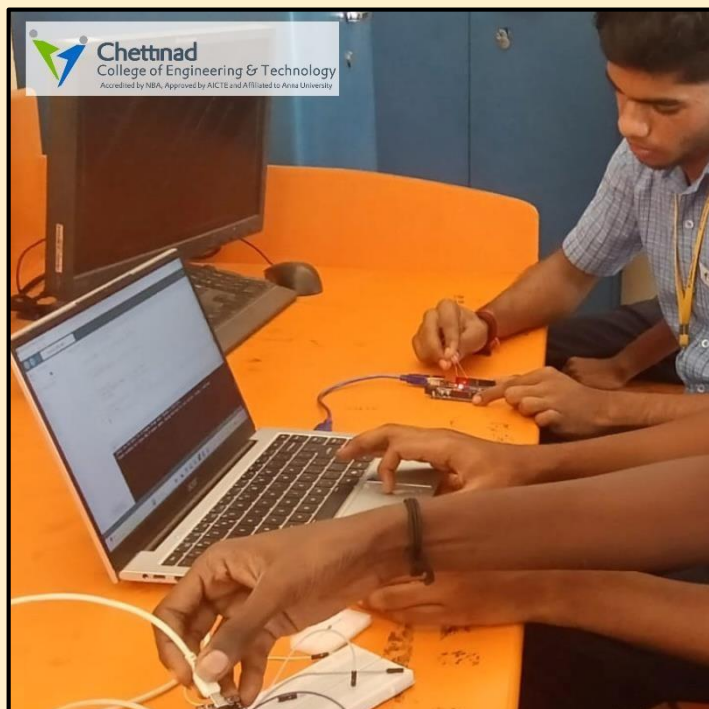
The course aimed to strengthen students' understanding of embedded system fundamentals while introducing them to the concepts of hardware interfacing, sensor integration, and real-time programming. Through a series of interactive sessions and practical demonstrations, participants learned the architecture of Arduino boards, the Arduino IDE environment, digital and analog input/output operations, serial communication, and the development of embedded applications.

The training adopted a hands-on learning approach, enabling students to write, compile, and upload programs to Arduino development boards. Students carried out various experiments involving LEDs, push buttons, sensors, buzzers, and other peripheral devices. They also explored concepts such as PWM control, analog signal processing, and interfacing techniques that are widely used in automation, robotics, and Internet of Things (IoT) applications.

The resource persons guided students in developing simple real-time embedded projects, encouraging logical thinking, problem-solving, and debugging skills. The practical sessions enhanced the participants' confidence in designing and implementing embedded solutions while providing exposure to industry-relevant tools and programming practices. The programme also highlighted the growing applications of embedded systems in smart homes, industrial automation, healthcare, automotive electronics, and consumer devices.

The Value-Added Course proved to be an enriching learning experience for the participants, bridging the gap between theoretical concepts and practical implementation. By the end of the programme, students had acquired the fundamental skills required to develop basic embedded system applications and gained a strong foundation for pursuing advanced technologies such as IoT, robotics, and intelligent control systems. The Department of Electrical and Electronics Engineering remains committed to organizing such skill-oriented programmes that enhance students' technical competencies and improve their industry readiness.

Session Photos:



DEPARTMENT ACHIEVEMENTS

NPTEL Certification Course



EEE Students' Achievement NPTEL – COURSE COMPLETION

Academic Excellence in NPTEL Examination

Hearty congratulations to our third year EEE students on successfully completing the NPTEL Certification Courses

Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems



Bharkavi S



Indhuja M



Jaisankar R



Jayapal R



Kavin P



Mythili G



Naveen S



Patrick Joswa J



Praveen Kumar S



Ramapriya S

Best wishes from

The Management, Principal, and Staff Members for continued success and professional growth.



IIT Guwahati
January - April 2026
No. of credits recommended: 4



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EEE Students' Achievement NPTEL – COURSE COMPLETION

Academic Excellence in NPTEL Examination

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Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems



Ramya S



Rohith R



Sachin K



Saranya P



Sathya S



Sivadarsini M



Velmurugan P



Vidhiya K



Yashwanth S



Karthikeyan P

Best wishes from

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IIT Guwahati
January - April 2026
No. of credits recommended: 4



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Niral Thiruvizha 3.0



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*A remarkable achievement
showcasing excellence and innovation!*

Congratulations!

CSE, EEE & AI&DS

We are delighted to announce
that 4 teams from ChettinadTech
have been recognized among the
Top 500 out of 24,411 participants,
securing prestigious positions
at Niral Thiruvizha 3.0 (2025-26).

Cash Prize : ₹ 60,000/-

*Niral
Thiruvizha*
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நிரல் திருவிழா



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Students Placement - Average Salary 3.8 LPA



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Scholarship	100%	75%	50%

Source: Data

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