

Chettinad College of Engineering & Technology, Karur

Department of Electrical and Electronics Engineering

News Report

Programme Name: 4 Days - Industrial Training

Date: 28-05-2024 to 31-05-2024

Class & No. of Participants: III Year EEE & 5 students

Venue: Chettinad Cement Corporation Ltd, Karikali, Dindigul.

Description:

The Department of Electrical and Electronics Engineering conducted a four-day industrial training session for third-year students at Chettinad Cement Corporation Ltd., a leading cement manufacturer in South India. The training focused on understanding electrical systems, power distribution and motor control, maintenance procedures, troubleshooting techniques, automation technologies, and safety protocols. The training included plant visits, hands-on experience, and interactive sessions with industry professionals.

On day 1, students learned about the plant's electrical infrastructure, safety measures, and a comprehensive electrical system designed for large-scale operations. They also had an orientation session with the electrical engineering team, highlighting the importance of safety in preventing electrical hazards.

On Day 2, students visited a power distribution centre, learned about distribution networks and switchgear, and explored motor control systems and variable-frequency drives (VFDs). They learned about efficient power supply and optimising energy consumption in motors.

On Day 3, students learned about motor control and drives, maintenance, and troubleshooting. They participated in routine maintenance activities, experienced troubleshooting electrical faults, and discussed preventive maintenance strategies. They studied MCCs, components like starters, contactors, and overload relays, and the importance of a systematic approach.

The final day focused on automation and safety protocols, highlighting the importance of PLC systems in manufacturing processes. Students learned about automation technologies, PLC

demonstrations, and safety protocols related to electrical systems. They learned that automation enhances efficiency and accuracy, while strict adherence to safety protocols prevents accidents.

We extend our sincere gratitude to Chettinad Cement Corporation Ltd. for this exceptional training opportunity for our students. Special thanks to the HR team, electrical engineers, and all staff members who contributed to this enriching experience.

Event Photos:





