Loyola-ICAM College of Engineering and Technology (LICET)
Department of Electrical and Electronics Engineering
Electrical Engineers League (EEL)
Under
AICTE – Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)

Event Report

Category: **Industrial Visit**

Details of the Industry: **Lucas TVS Ltd, Chennai**

Date: 10-09-2022

Venue: Seminar Hall & Shopfloor, LUCAS TVS

Details of Participants

- Total No. of Participants: 59
- II EEE (Batch: 2021 – 2025): NIL
- III EEE (Batch: 2020 – 2024): 53
- IV EEE (Batch: 2019 – 2023): NIL

Technological/ Academic/ Other Benefits generated by conducting the event with respect to:

(a) the institution	• Networking & building brand recognition - promote the institution and help people connect with our brand • Learn from experts in the field and establish the institution as a thought-leader and go-to educational resource in the process
(b) the faculty	• Strengthen faculty community and thereby build relationships with each other • Make face-to-face connections
(c) Students	• To stay on top of current trends, especially with technology causing rapid change across industries. • Academic engagement/ engagement in scholarly activities
(d) Industry/ Society	• Clarifying the image of the avenues of development in the near future • Contributing to make the literacy rate rise higher thereby helping build a more educated, empowered and aware society

Proceedings of the event

Category: Industrial Visit

Report on Visit to Lucas TVS Ltd, Chennai

Date: 10-09-2022 Time: 10:00 am to 01:00 pm Venue: Shopfloor, LUCAS TVS

Audience: III EEE (Batch: 2020 – 2024)

The Department of Electrical and Electronics Engineering organized an Industrial Visit to Lucas TVS Ltd, Chennai on September 10th, 2022 for the Batch 2020-2024/ Third Year/ V Semester EEE from 10 am to 1 pm.

The objective of the industrial visit was to provide industry exposure so our students can look into the facilities at Lucas TVS to realize the recent technological advancements in the manufacturing of automotive electricals for OEMs (Original Equipment Manufacturers). Mr. S. Velu, Corporate Manager, L&D, Lucas TVS Ltd, Chennai welcomed us all and gave a quick introduction about Lucas TVS Ltd.'s foundation and achievements in the manufacturing of automotive electricals. Following that, a graphic presentation of Lucas' licensing was given.

This was followed by a virtual video session, with the goal of better understanding the Standard Operating Procedure (SOP) that is implemented in their organization. The standard operating procedures related to alternators and servo motors were explained in detail during the video session. This helped the students to better relate theory learnt in the classroom with the practices in industry and the national/ international standards.

Then the students had an opportunity to visit the shop floor area. The HR team explained the entire manufacturing and assembling process very clearly and patiently. During the visit, students had a visual experience to see the usage of machineries and technology in industries. This industrial visit was very useful and informative. The students gained practical knowledge on how the automotive electricals for Original Equipment Manufacturers (OEMs) are factory-made and mass-produced with the various processes tangled.

Relevant Courses in the current semester

EE8301 Electrical Machines - I

- Applications

EE8401 Electrical Machines - II

Applications

Relevant Program Outcomes

- PO5 – Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO6 – The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7 – Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.
- PO8 – Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO12 – Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Feedback