



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**

Title of the Event: **Tempel Precision Metal Products India Private Limited**

Date: 15-11-2022

Venue: **Tempel, Chennai.**

Details of Participants

● Total No. of Participants:

● IV EEE (Batch: 2019 – 2023) : 49

● Ms. S. Sathya Bharathy, AP/EEE & Mr. Rajaram, Lab Instructor/EEE

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

(a) the institution	<ul style="list-style-type: none">● Building a good relationship with company/ networking opportunity/● Opening corporate training and internships, which in turn increase the students' employability
(b) the faculty	<ul style="list-style-type: none">● Interaction with industry persons● Knowledge building
(c) Students	<ul style="list-style-type: none">● Opportunity to interact and connect with the corporates● interpersonal, communication skills, and teamwork abilities● Helps to identify their learning towards a branch and decide their future work areas like manufacturing, operations and maintenance, marketing, finance, operations, IT, HR, etc.
(d) Industry/ Society	<ul style="list-style-type: none">● Idea on students' interest● Building a good relationship with the institute

Category: Industrial Visit

Report on Visit to **Tempel Precision Metal Products India Private Limited**

Date: 15-11-2022

Time: 11.00 am to 3.30 pm

Venue: Tempel, Chennai.

Resource Person: Ms. Mercy Gabriel, Manager, Human Resources.

Audience: Students, IV year EEE/Batch 2019-2023

With a vision to enhance the understanding of the students with a practical/ field knowledge on the advanced technologies adopted in manufacturing industries, an Industrial Visit to Tempel was arranged for the final year students of EEE. Tempel Precision Metal Products India Private Limited is engaged in the manufacture of magnetic steel laminations for autos, motors, generators and transformers, sophisticated moulds, dies and tools. The students started from college at 10.00 AM reached the industry site around 11.00 AM. Ms. Mercy Gabriel, Manager of Human Resource Department, Tempel gave a power point presentation on the genesis, development and growth of Tempel and its products & processes. The students were then divided into three groups. Each group was led by a working professional from the company and were taken around all the departments.

During the visit to the shop floor, students observed the process involved in manufacturing of steel laminations. The professionals in-charge of every division explained the process and students then had interaction with the professionals. Students were shown the moulds, dies, tools and materials used in the process. The company's core assembly and value-added services include Aluminum or Copper Bar Insertion, Annealing, Bonding, Blank & Notch, Brazing of End Rings on Rotor Cores, Butt-Lap Cores, Distributed Gap Cores, Die Casting, Deburring and Recoating, etc. Students visited the different divisions in the manufacturing department and acquired knowledge on the processes followed. The safety measures followed in the industry was also informed during the visit to the shopfloor.

Students were explained the management techniques used in the organization. Students were also clarified about the internship and employment opportunities at Tempel. Finally, the visit ended with a presentation on the social activities carried out by Tempel through which the students were also motivated to get involved in such events and work for the society. The students expressed their gratitude to the industry personnels, college management and the department of EEE for organizing such an informative visit.

The team left the industry at 3.30 PM and reached LICET back around 5.00 PM. The students acquired knowledge on manufacturing of steel laminations, tool & die casting and other activities. The students remarked this visit to as an informative and wonderful experience.

Relevant Courses in the curriculum

EE8301 Electrical Machines-I

EE8401 Electrical Machines-II

EE8602 Protection and Switchgear

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

