



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRY VISIT

“INDUSTRIAL VISIT TO *CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, SURAMPALLY*”

Event Type	:	Industrial Visit of B.Tech-IV Semester Students
Date / Duration	:	24 th February 2026
Name of Industry	:	M/s Central Institute of Plastics Engineering and Technology Surampalli
Faculty Accompanied :		Teaching Faculty i) Mr.K.Saibabu ii) Mr.S.Uma Maheswara Reddy i) Mr.A.D.Mallikarjuna Rao ii) Mr.S.Ajay Babu
Total no of students	:	65
Objective of the event:		To get exposure to the production of variety of plastic components
Outcome of event:		Students acquired knowledge on the variety of plastic raw materials, machining processes, dies, moulds, CNC machines, quality control, packing methods, fundamental manufacturing processes for making bottles, buckets and different machines and tools for further finishing.

Description/Report on Event:

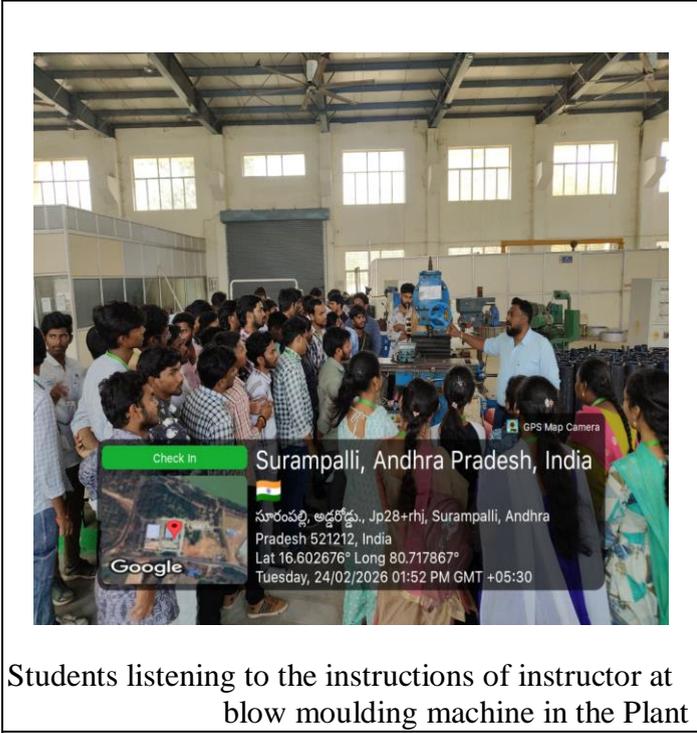
The II B.Tech IV Semester Students of Mechanical Engineering accompanied with four staff members (including 2 Teaching & 2 non Teaching) visited Central Institute of Plastics Engineering and Technology, CIPET Surampally unit, Vijayawada on 24-02-2026, Wednesday. The main objective of the visit is to bridge the gap between industry and academia. This is a Central Government unit which holds the roles of Institute and industry mainly focus on manufacturing of various plastic components suitable for wide variety of users as per customer requirements.

After arriving the industry, students were divided in to four batches and they were taken to plastic raw material section, machining section that includes CNC machines, dies section, injection moulding and Blow moulding section, Design section. The CIPET faculty explained neatly the step by step processes in each and every section to the student understanding level. They have taken the students to the quality control and packing sections also. The students have also observed the different plastic components displayed in the unit got idea about different stages of manufacturing i.e., from raw material to end product. The CIPET faculty also explained the importance of energy conservation aspects, best practices and environmental concerns to the students.

The machining section consists of different machines such as Lathe machine, Radial drilling machine, Shaping machine, slotting machine, Planning machine, grinding machine, Wire EDM and Die Sink EDM, etc.

Feedback / Suggestions: The students felt very happy and they expressed that they have learnt a lot about the Plastic injection and blow moulding process, EDM process and design modeling and fabrication software like master CAM.

Photographs: The following are the photographs of Industrial Visit of IV Semester Students to M/s CIPET, Surampally, Vijayawada.

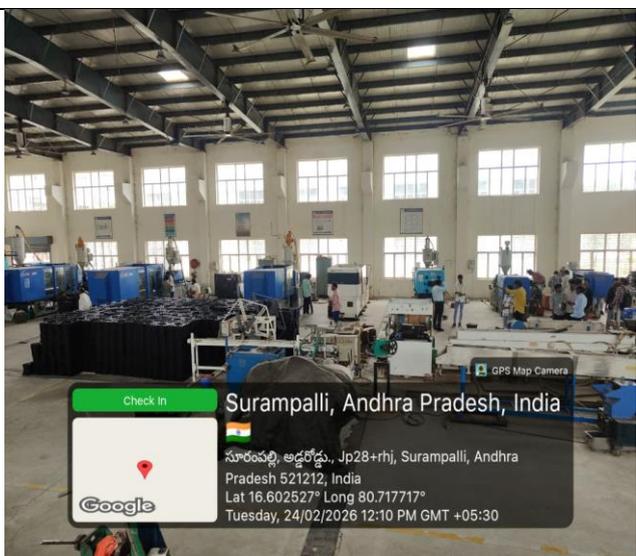




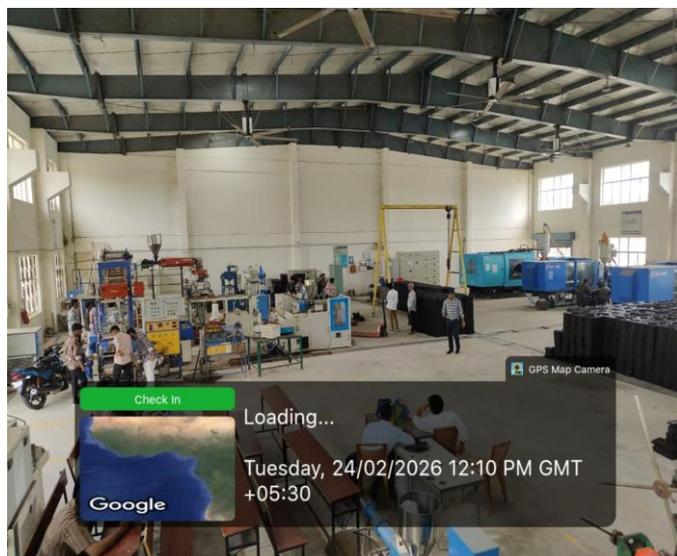
IV Semester students group photo with staff in front of Main Building at M/s CIPET, Surampally



Students observing the control unit at the CNC machine in the Plant M/s CIPET, Surampally



CIPET faculty giving instructions to students at the machine shop and students observing



Students observing the Die Sink EDM explained by the CIPET Instructor

M.B.S. Sreevara Reddy

HoD
(Dr.M.B.S..Sreekara Reddy)