



**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 EVENT**

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

Event Type : Industrial Visit of B.Tech -V Semester A section Students

Date / Duration : 06<sup>th</sup> August 2025

Name of Industry : M/s Central Institute of Plastics Engineering and Technology Surampally

Faculty Accompanied : Teaching Faculty i) Mr.K.Lakshmi Prasad ii) Mr.V.Sankara Rao  
NT staff i) Mr.V.Ravinder Reddy ii) Mr.S.Ajay Babu

Total no of students : 51

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 III B.Tech V Semester A Section 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 06-08-2025, 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 process, EDM process and design modeling and fabrication software like master CAM.

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




Krishna, Andhra Pradesh, India  
Nunna Road, Andhra Pradesh 521212, India, Krishna, Andhra Pradesh 521212, India  
Lat 16.602023° Long 80.717934°  
06/08/2025 11:42 AM GMT +05:30

Students listening to the instructions of instructor at machine shop




Krishna, Andhra Pradesh, India  
Nuzvidu Road, Jp28+qfm, Surampalli Rd, Andhra Pradesh 521212, India, Krishna, Andhra Pradesh 521212, India  
Lat 16.602625° Long 80.717957°  
06/08/2025 11:42 AM GMT +05:30

The CIPET faculty explaining to Students at the blow moulding machine in the Plant



Shot on OnePlus  
Sankumar 1 2025.08.06 15:41

V Semester A section students group photo in front of Main Building at M/s CIPET, Surampally



Krishna, Andhra Pradesh, India  
Nuzvidu Road, Jp28+qfm, Surampalli Rd, Andhra Pradesh 521212, India, Krishna, Andhra Pradesh 521212, India  
Lat 16.602556° Long 80.717192°  
06/08/2025 11:38 AM GMT +05:30

V Semester A section students listening to the Production Engineer at the CNC machine shop in M/s CIPET, Surampally



CIPET faculty giving instructions to students at  
The Seminar hall



Students observing the Die Sink EDM by the CIPET  
Instructor