



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (AI&ML)

16th March, 2026

Report on Industrial Visit - 2025-26

An industrial visit was organized for the students of **I B.Tech (CSE – AI & ML)** to enhance their practical knowledge and exposure to industrial processes. The visit was arranged to the **Central Institute of Petrochemicals Engineering and Technology (CIPET)**, located at Surampalli X-Roads, Vijayawada, on **14th March 2026**, as part of a Skill Up-gradation Program on “Plastics Processing Technology.” A total of **122 students**, accompanied by **4 faculty members**, participated in the visit.

Event Details

Event Title: Skill Up-gradation Program on “Plastics Processing Technology”

Venue: Central Institute of Petrochemicals Engineering and Technology (CIPET), Surampalli X-Roads, Vijayawada

Date: 14th March 2026 (Saturday)

Timings: 9:00 AM – 4:00 PM

Participants: 122 Students

Faculty Accompanied: 4 Members

Program Type: Industrial Visit / Skill Up-gradation Program

Target Group: I B.Tech (CSE – AI & ML) Students

Faculty Coordinators:

Dr. Johnwesily Chappidi, Associate Professor

Dr. V. Sivanagaraju, Associate Professor

Mrs. D. Mangamma, Assistant Professor

Mrs. D. Siva Suneetha, Jr. Programmer

Objectives of the Event

- To provide students with practical exposure to real-time industrial processes.
- To enhance understanding of plastics processing technology and its applications.
- To bridge the gap between theoretical knowledge and industry practices.
- To create awareness about career opportunities in plastics and allied industries.
- To encourage entrepreneurial thinking among students.
- To familiarize students with modern machinery and manufacturing techniques used in the industry.
- To promote industry-academia interaction for better learning outcomes.

About the Organization

The Central Institute of Petrochemicals Engineering and Technology (CIPET) is a premier Government of India institution under the Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers. It is dedicated to skill development, academic training, technology support services, and research in the field of plastics and allied industries.

CIPET is recognized for its quality standards with ISO 9001:2015 certification and accreditations from NABL, BIS, and NABCB. The institute plays a vital role in developing skilled manpower and providing technical support to industries through specialized training programs, consultancy services, and advanced research facilities.

CIPET, Vijayawada, is one of its regional centers, offering training programs such as Skill Up-gradation Programs to enhance students' practical knowledge and employability in the rapidly growing plastics and manufacturing sector.

Event at the Venue

The industrial visit began with the registration of students upon arrival at CIPET, Vijayawada. This was followed by an orientation session conducted by Mr. Balu J, Technical Officer, which lasted for about one hour. The session provided an overview of CIPET, its facilities, and the importance of plastics processing technology in modern industries.

Subsequently, the students visited the CAD/CAM Laboratory, where they were introduced to advanced design and manufacturing tools. The CAD/CAM/CAE center at CIPET: CSTS, Vijayawada is well-equipped with modern systems and software used for product design and mould development.

These tools helped students understand real-time applications of design, simulation, and manufacturing processes.

After the lunch break, students visited the plastics processing and moulding section. Here, they observed the working of the STMD 300 injection moulding machine, which is used to manufacture plastic components by injecting molten material into moulds with high precision.

These demonstrations gave students valuable insights into machining operations, precision manufacturing, and quality measurement techniques used in industrial environments.

Overall, the visit provided a comprehensive understanding of both the design and manufacturing aspects of plastics engineering, making it a highly informative and enriching experience for the students.



Fig. 1. Students & Faculty with Dr. Jayaprada, Head of the Department before departure



Fig. 2. Students Registration at CIPET



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Fig. 3. Orientation at CIPET



Fig. 4. Session with Mr. Balu J



Fig. 5. Demonstration of the STMD 300 injection moulding machine



Fig. 6. Demonstration of the Other moulding machines



Fig. 7. Demonstration of the Other moulding machines



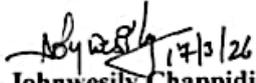
Fig. 8. Students & Faculty with the management and staff of CIPET

The industrial visit was highly informative and beneficial for the students. It successfully provided practical exposure and helped them understand the significance of industrial applications and entrepreneurship in the field of plastics technology. The visit also strengthened industry-academia interaction and motivated students to explore future opportunities in this domain.

Acknowledgement

We express our sincere gratitude to the management and staff of CIPET, Vijayawada, for organizing the program and providing valuable insights. We extend our special thanks to Mr. Balu J, Technical Officer, for his guidance.

We also thank Dr. S. Jayaprada, Professor & HoD (CSM), and the faculty coordinators—Dr. Johnwesily Chappidi, Dr. V. Sivanagaraju, Mrs. D. Mangamma, and Mrs. D. Siva Suneetha—for their support in organizing the visit. We are grateful to the college management for their continuous support.


Dr. Johnwesily Chappidi
Coordinator
CSE(AI&ML)


Dr. S. Jayaprada
Head of The Department
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