

Report on Mechanical Industrial Visit

Introduction: On 17/02/24, a group of 57 Mechanical Engineering students from MJCET embarked on an industrial visit to Central Institute of Tool Design, located at Balanagar. The purpose of the visit was to provide students with practical exposure to industrial processes, technologies, and applications related to their academic curriculum.

Objective of the Visit: The main objectives of the industrial visit were as follows:

To gain insights into real-world applications of mechanical engineering concepts.

To observe advanced technologies and state-of-the-art equipment used in the industry.

To understand industrial processes and best practices in mechanical engineering.

Itinerary: The visit commenced at 10:00 AM with a brief introduction and safety guidelines provided by the company representatives. The itinerary included the following key activities:

Introduction to the Company: A presentation by Mr. K.Babu Rao, Asst. Director providing an overview of the company's history, mission, and core areas of operation.

Factory Tour: Students were guided through various departments, witnessing the manufacturing processes and assembly lines. They observed the utilization of cutting-edge machinery and automation techniques.

Interactive Sessions: Q&A sessions were conducted where students had the opportunity to engage with engineers and technicians, gaining deeper insights into the practical aspects of their work.

Technology Showcase: Students were introduced to the latest technologies employed in the industry, including robotics, CNC machining, and 3D printing.

Observations and Learnings: The industrial visit proved to be highly beneficial for the students, offering the following key takeaways:

Practical Application: Students gained a deeper understanding of how theoretical concepts learned in the classroom are applied in real-world scenarios.

Technological Advancements: Exposure to advanced machinery and technologies showcased the industry's commitment to innovation and efficiency.

Safety Protocols: Observing the strict adherence to safety guidelines emphasized the importance of workplace safety in industrial settings.

Challenges and Recommendations: While the visit was overall successful, some challenges were noted, such as time constraints and limited access to certain areas. It is recommended that future visits be extended or tailored to specific areas of interest to maximize the learning experience.

Conclusion: The industrial visit to [Company Name] provided invaluable insights into the practical aspects of mechanical engineering. The exposure to real-world applications, advanced technologies, and interaction with industry professionals significantly enriched the students' academic journey.

We express our sincere gratitude to Central Institute of Tool Design for facilitating this visit and contributing to the professional development of our students.

Sincerely,

Dr.G.Sailaja

Associate Professor & Coordinator, IEOM Student Chapter

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