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Report on Industrial Visit to Government Tool Room and Training Center

Introduction: The students of our department have visited the Government Tool Room and Training Center (GTTC) on 28/03/2025 as part of their industrial exposure program. The visit was aimed at providing practical insights into precision manufacturing, CNC machining, and vocational training programs available at the center.

Objectives of the Visit:

- To understand the working environment of a tool room and its significance in the manufacturing industry.
- To gain knowledge about CNC machines, injection molding, and other precision engineering technologies.
- To explore the various training programs and career opportunities offered by the center.

Overview of Government Tool Room and Training Center: The Government Tool Room and Training Center is a premier institute established to enhance the skills of students and professionals in the field of tool and die making, CNC machining, CAD/CAM, and other technical domains. It provides hands-on training and certification programs to bridge the gap between academia and industry requirements.

Key Observations during the Visit:

- **CNC Machining and Automation:** Students observed the operation of CNC lathe and milling machines used for precision manufacturing.
- **Injection Molding Process:** A detailed demonstration was provided on how plastic components are manufactured using molds.

- **CAD/CAM Training:** The center showcased its software-based design and simulation tools used for product development.
- **Quality Control and Metrology:** Students learned about the importance of measurement techniques and quality assurance in manufacturing.
- **Hands-on Workshop:** Some students were given an opportunity to interact with the machines under expert supervision.

Interaction with Industry Experts: During the visit, students interacted with trainers and industry professionals who shared insights into current industry trends, career opportunities, and skill development programs. The experts emphasized the importance of practical skills and continuous learning in the engineering field.





Conclusion: The industrial visit to GTTC was an enriching experience that provided students with a better understanding of precision engineering and the role of technical training in career development. The visit helped bridge the gap between theoretical knowledge and real-world industrial practices.

Recommendations:

- More such industrial visits should be arranged to enhance practical exposure.
- Hands-on training sessions can be incorporated into the curriculum to improve technical skills.
- Collaboration with GTTC for certification programs can be considered for students interested in manufacturing and tool engineering.

Acknowledgment: We extend our sincere gratitude to the management and staff of GTTC for their support and cooperation in making this visit successful. We also thank **our Management CEO, Principal and faculty members** for organizing this industrial visit

Participants Details:

Number of Participants
Students (Internal / External)

:46

: Internal/ 46 students from 2nd and 4th
semester, mechanical department.

Faculty Participants

:02

Dr. Harish U, Assistant Professor, MED

Mr. Rajesh G L, Assistant Professor, MED

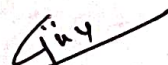
CO/PO & PSO Mapping:

CO/PO & PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Industry Visit	-	-	-	-	1	-	1	-	1	1	-	1	-	1
Average	-	-	-	-	1	-	1	-	1	1	-	1	-	1



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