MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(Deemed to be University)
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

A Report on Industrial Visit to "Government Tool Room & Training Centre (GTTC), Bengaluru" Organized by the Department of Computer Science & Engineering – Data Science on 06.11.2026

Faculty Coordinators: Mrs. D. Anuradha Prudhvi and Mr. K. Siva Raghavendra, Assistant Professor, Department of CSE-Data Science

Mode of Conduct: Offline

Location: Government Tool Room & Training Centre (GTTC), 25/1, Industrial Estate, Rajajinagar, Bengaluru, Karnataka 560010

Event: Industrial Visit for Exposure to Industrial Automation, Robotics, and Technical Training Facilities

Travel Schedule: Departed from MITS campus at 5:30 AM; reached GTTC at 10:00 AM; commenced the return journey at 2:30 PM.

Report Received on 20.11.2026

1. Introduction

As part of professional and academic development, an industrial visit was organized to the Government Tool Room & Training Centre (GTTC), Rajajinagar, Bengaluru, on 06 November 2026. The visit provided students with an opportunity to observe industrial training facilities and understand the practical application of engineering concepts in a professional environment. The group departed from the Madanapalle Institute of Technology & Science (MITS) campus at 5:30 AM and reached GTTC at 10:00 AM.

During the visit, students were introduced to the centre's technical facilities through guided explanations and demonstrations. The group observed industrial automation and robotics equipment, including a robotic arm and associated workstation arrangements. The visit concluded with the commencement of the return journey at 2:30 PM.

2. Objectives of the Industrial Visit

The major objectives of the visit were:

- To provide students with practical exposure to an industrial training and technology environment.
- To understand the role of GTTC in imparting technical and industry-oriented training.
- To observe industrial automation equipment and robotic systems used in practical applications.
- To gain an overview of robotic arm operations, workstation arrangements, and material-handling demonstrations.
- To connect classroom learning with real-world engineering systems and industrial practices.
- To encourage students to explore emerging technical skills and career opportunities related to automation and advanced manufacturing.

3. Major Discussions and Facilities Covered

The visit included an introduction to the training environment and demonstrations of selected technical facilities at GTTC:

- **Introduction to GTTC and its Training Environment:** Students were introduced to the centre and its role in providing practical, skill-oriented technical training.
- **Industrial Automation and Robotics:** Students observed an industrial robotic arm operating within a demonstration workstation, gaining an understanding of its role in automated industrial processes.
- **Robotic Workstation Demonstration:** The demonstration highlighted the arrangement of the robotic arm, work surfaces, and related equipment used to illustrate automated handling and coordinated operations.
- **Automation Training Equipment:** Students viewed industrial training panels and equipment used to demonstrate automation concepts and practical system configurations.
- **Interaction and Technical Explanation:** Students interacted with the instructors and received explanations about the equipment, its operation, and the relevance of practical training to industry requirements.

4. Expected Outcomes

The industrial visit provided the following key learning outcomes:

- **Practical Exposure:** Students gained first-hand exposure to industrial training facilities and automation equipment.

- **Awareness of Robotics:** The visit helped students understand the basic role of robotic systems in industrial environments.
- **Academic Integration:** Students could relate theoretical concepts to equipment and demonstrations observed during the visit.
- **Understanding of Industry Practices:** The visit provided awareness of the importance of technical skills, practical training, and safety in industrial settings.
- **Career Awareness:** Students gained broader insight into skill development and career opportunities connected with automation and advanced manufacturing.

5. Conclusion

The industrial visit to Government Tool Room & Training Centre (GTTC), Bengaluru, was an informative and valuable learning experience for the students and accompanying faculty. The guided visit and demonstrations of industrial automation equipment and robotic systems helped students gain practical exposure beyond the classroom. The observations made during the visit strengthened their awareness of industrial technologies, technical training, and the importance of hands-on learning. The visit was coordinated by Mrs. D. Anuradha Prudhvi and Mr. K. Siva Raghavendra.

A Glimpse of an event:



Photo 1: Students receiving an introduction and briefing at the GTTC facility.



Photo 2: Students observing industrial automation equipment and the training environment.



Photo 3: Technical interaction and explanation by the GTTC instructor.



Photo 4: Industrial robotic arm and automated workstation demonstration.



Photo 5: Group photograph of students and accompanying faculty at GTTC, Bengaluru.