

Industrial Visit

The Artificial Intelligence and Robotics Department, Dayananda Sagar University organized an industrial visit to the Government Tool Room and Training Centre (GTTC), Bangalore on March 27th, 2025, for 4th-semester AI & Robotics students.



Figure 5: AI & Robotics 4th-semester students with Chairperson Dr. Pramod Kumar Naik, Dr. Rupam Bhaduri, and Dr. Bharath Kumar S near DSU Main Gate



Figure 6: AI & Robotics 4th-semester students with Dr. Gangadhar T G and Dr. Bharath Kumar S near GTTC, Bangalore



Figure 7: GTTC Employee demonstrating the Robotics Control to 4th-semester AI & Robotics students



Figure 8: Demonstration

GTTC Employee demonstrating the products of Advanced Machining Process to 4th-semester AI & Robotics students

Objective

The objective of the visit was to expose students to cutting-edge technologies and provide hands-on experience in:

1. Robot Arm Control: Understanding the programming and operation of robotic arms.
2. 3D Printing Technology: Exploring the applications and working principles of 3D printing.
3. CNC Machining: Learning about computer numerical control machining and its industrial applications.

Outcome

The industrial visit provided students with a unique opportunity to:

- Gain practical knowledge of emerging technologies
- Interact with industry experts and learn from their experiences
- Develop skills in robotics, 3D printing, and CNC machining
- Enhance their understanding of the industrial applications of AI and robotics

Conclusion

The industrial visit to GTTC, Bangalore, was a resounding success, providing students with a comprehensive understanding of cutting-edge technologies and their industrial applications. The department plans to organize more such visits to enhance the practical knowledge and skills of its students.