

**A Report on Industrial visit**  
**at**  
***Indo German Tool Room (IGTR)***  
***Ahmedabad***  
**by**  
**Mechanical Engineering Department**  
**of**  
**D.A. Degree and Diploma Engineering**  
**and Technology Mahemdabad**  
**On**  
**15<sup>th</sup> March 2024**

On 15<sup>th</sup> March 2024, Department of Mechanical Engineering students from Degree and Diploma students had visited Indo-German Tool Room, Ahmedabad.

### **About IGTR**

To develop students to cater to the need of metal, plastic and service industries in the area of tool Technology and CAD/CAM/CAE. IGTR Ahmedabad is equipped with the latest European machines and a motivated and trained professional team. IGTR Ahmedabad is a nationally known source for designing and manufacturing of international quality of plastic moulds, press Tools, Jigs & Fixtures. It undertakes precision machining job work using states of art machines and software.

IGTR Ahmedabad offers Long Term, Medium Terms and Short-Term training in the areas of Tool & Die Making and CAD/CAM/CAE and provides cultured, disciplined productive manpower.

IGTR Ahmedabad offers specialized digital technology services in the area of product development using CAD, CAE & RPT as well as tool analysis.

### **Objective of Visit**

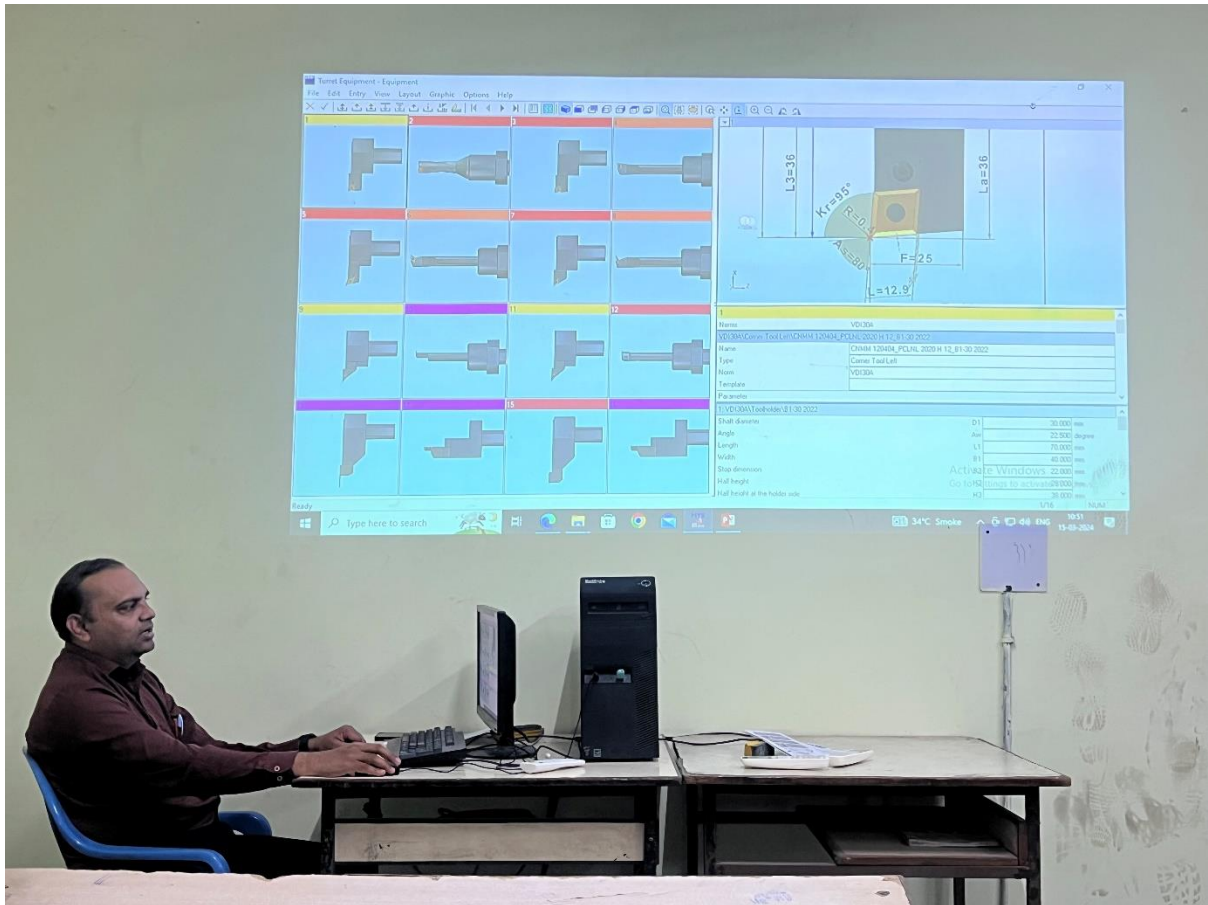
Our main purpose of this visit is to familiarize the students with industrial environment and to get practical knowledge of mechanical engineering field. Students would know about various types of machineries, departments of industry, quality aspects of the product, inspection criteria, safety rules, production process, marketing aspects etc. of the industries.





Mr. Lokesh Oza who is an Administration Assistant, began by providing a brief overview of career guidance and encouraging students to gain as much practical experience as possible in industries such as IGTR.





After that Mr. Bharat Kher delivered an expert lecture on "CNC Technology" to students and faculty members. He explained the various CNC codes used in part programming, as well as different machining operations performed with CNC software, step by step.

The first of Visit after Expert lecture was focused on CNC machines there. They demonstrated the practical application and functions of fully automated CNC lathes and VMC machines.







They also showed us injection moulding machine, the biggest machine we could see in the industry. The injection moulding machine was manufactured by Larsen & Toubro Company and it was used to make certain plastic products.

Students got a chance to observe various types of conventional machining process on various types of machines like lathe, milling, shaper, grinder, etc. Furthermore, they got a chance to observe various CNC machines like CNC turning centre, vertical machining centre, wire cutter, 3D printer etc.

The industrial visit to IGTR was worth productive and quite interesting as well.

Visited Faculty Members- Mr. Bhaumik Bhandari

Mr. Steny Ghadiyali