

## Department of Mechanical Engineering

Has Organised Visit to

**“Indian Tools Ltd.”** *Satpur MIDC, Nashik.*

For Second Year Diploma Students of Mechanical Engineering



Practical field in Mechanical engineering involves different materials with varied composition, properties with numerous applications. Diploma Mechanical engineers should have a good knowledge of composition, properties, and applications of these materials. Ferrous & Non ferrous metals and alloys find major applications. Knowledge about types, properties, composition and heat treatment of steels and cast irons is absolutely necessary to diploma engineers. In order to inculcate the same, this Industrial Visit is organized by Department of Mechanical Engineering.

### Objectives of Visit

Friday, 07<sup>th</sup> February 2025 (10.00 am Onwards)

- [1] To give practical insight of various Heat Treatment Processes used in Industry.
- [2] To study, observe and understand the characteristics of Heat Treatment Processes.

**Visit Coordinators:** Mr. S A Khan

**Staff Accompanied:** Mr. K G Deshpande, Mr. U S Kolhe, Mr. U R Bhapkar, Mr. S B Kuldhar

## **Glimpses of Industrial Visits at Indian Tools, Satpur MIDC, Nashik during 07 February 2025, Organised by Department of Mechanical Engineering, MET's Institute of Technology-Polytechnic, Nashik for Second Year Diploma Students of Mechanical Engineering.**

### **Introduction:**

The Department of Mechanical Engineering organized an industry visit to Indian Tools, Satpur on 7th February 2025 for second-year diploma students of Mechanical Engineering. The objective of this visit was to provide students with hands-on experience and exposure to real-world industrial applications.

### **Objectives:**

1. To familiarize students with the manufacturing processes and tools used in the industry.
2. To understand the application of mechanical engineering principles in real-world scenarios.
3. To expose students to the latest technologies and innovations in the field of mechanical engineering.
4. To develop skills in observation, analysis, and problem-solving.

### **About Industry:**

Indian Tools is a leading manufacturer of hand tools and machinery. During the visit, students observed the manufacturing process of hand tools, including forging, machining, and assembly. They also saw the quality control measures in place to ensure the quality of the products.



## **Key Takeaways of Visit:**

### **1. Manufacturing processes:**

Students gained hands-on experience with various manufacturing processes, including forging, machining, and assembly.

### **2. Quality control measures:**

Students learned about the importance of quality control measures in ensuring the quality of products.

### **3. Application of mechanical engineering principles:**

Students saw the application of mechanical engineering principles in real-world scenarios, including the design and operation of mechanical equipment.

## **Conclusion:**

The industry visit to Indian Tools, Satpur MIDC, Nashik was a valuable learning experience for the second-year diploma students of Mechanical Engineering. The visit provided students with hands-on experience and exposure to real-world industrial applications, helping them to develop skills in observation, analysis, and problem-solving. The visit also helped students to understand the application of mechanical engineering principles in real-world scenarios and to appreciate the importance of quality control measures in ensuring the quality of products.

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