

### EVENT REPORT

**Date:** 11 April, 2026

**Department:** Mechanical Engineering

**Activity Category:** Industrial Visit

**Title of the Activity:** Industrial Visit to Jindal Lifestyle Ltd, Rohad, Haryana.

**Theme/Focus Area:** Manufacturing Processes and Industrial Exposure

### 1. Basic Details

- **Date of Activity:** 11 April, 2026
- **Day:** Saturday
- **Time:** 10:00 AM onwards
- **Venue/Platform:** Jindal Lifestyle Ltd. Plant, Rohad , Haryana.
- **Organized by:** Department of Mechanical Engineering
- **Activity Coordinator(s):** Mr. Vikas Sharma and Dr. Garima Sharma
- **Number of Participants:** 22
- **Students:** 20
- **Faculty:** 2
- **External Participants (if any):** Nil

### 2. Resource Person / Speaker Details

- **Name:** Mr. Vallabh Rastogi & Mr. Praveen Kumar
- **Designation:** Deputy General Manager Design and product development, HR Head
- **Organization:** Jindal Lifestyle Ltd.
- **Area of Expertise:** Production and Manufacturing Operations
- **Brief Profile**

Mr. Praveen, HR Head at Jindal Lifestyle Ltd., guided the students during the industrial visit and explained the plant operations in detail. He interacted actively with the participants, clarified their queries, and helped them understand the practical aspects of various manufacturing processes being used in the industry.

### 3. Objectives of the Activity

1. To provide students with practical exposure to real industrial manufacturing processes.
2. To bridge the gap between classroom learning and industrial applications.
3. To familiarize students with modern production techniques such as deep drawing, spinning, laser cutting, heat treatment, and polishing.
4. To enhance students' understanding of workflow, plant operations, and quality practices in manufacturing industries.

5. To promote industry-academia interaction for better experiential learning.

#### 4. Description of the Activity

The industrial visit to Jindal Lifestyle Ltd., Rohad, was organized for second-year Mechanical Engineering students with the primary objective of providing practical exposure to real-time manufacturing processes. A total of 20 students, accompanied by two faculty members, visited the plant on 11 April 2026 as part of their curriculum related to Manufacturing Science and Technology.

The visit began on a positive and energetic note with a **healthy breakfast arrangement** at the plant premises. This initiative ensured that students and faculty members were well-prepared for the day's learning activities. It also provided an informal setting for interaction among participants and industry representatives, helping to create a comfortable and engaging learning environment right from the start.

Following this, the formal session commenced with a brief introductory talk by Praveen, HR Head of the organization. He welcomed the group and provided an overview of the company, its product portfolio, and its contribution to the manufacturing sector. He explained the complete production workflow, from raw material handling to final product dispatch, and emphasized the importance of maintaining strict safety protocols within the industrial environment. Students were instructed to adhere to all safety guidelines during the plant visit.

The students were then taken for a guided tour of various sections of the manufacturing unit under the guidance of Mr. Kumar and Mr. Dabas (Production Incharges). The first major process demonstrated was **deep drawing**, where sheet metal is converted into hollow shapes using dies and punches. Students observed how controlled deformation is achieved without causing cracks or defects, highlighting the importance of material properties and tool design.

Next, the **spinning process** was showcased, where rotating metal discs are shaped into symmetrical components. This process illustrated the role of operator expertise and precision control in achieving high-quality products. Students gained insights into its industrial applications and advantages over other forming techniques.

A key highlight of the visit was the **laser cutting section**, where advanced CNC-based machines were used for high-precision cutting operations. Students learned how automation and computer control enhance accuracy, reduce material wastage, and improve production efficiency. This exposure helped them understand modern manufacturing trends and the role of digital technologies in industry.

The visit also included the **heat treatment unit**, where students observed how materials are subjected to controlled heating and cooling cycles to enhance their mechanical properties such as strength, hardness, and toughness. This provided a clear understanding of how material behavior can be altered to meet specific engineering requirements. Finally, the **polishing and finishing section** demonstrated the importance of surface finishing in improving product quality and

aesthetics. Students saw how final finishing processes add value and ensure that products meet industry standards.

Throughout the visit, active interaction was encouraged. Students asked questions regarding machine operations, production challenges, and quality control techniques. Mr. Praveen addressed all queries with practical examples and industry insights, making the session highly informative and engaging. After the completion of the plant visit, a lunch was served to all participants. This provided an opportunity for further informal interaction, reflection on the day's learning, and discussion among students and faculty members. Overall, the industrial visit was a well-organized and enriching experience that successfully bridged the gap between theoretical knowledge and real-world industrial practices.

## 5. Learning Outcomes / Impact

- Students gained practical knowledge of important manufacturing processes.
- They understood the industrial applications of deep drawing, spinning, laser cutting, heat treatment, and polishing.
- The visit enhanced their awareness of production flow and shop-floor practices.
- Students developed better understanding of how theory is implemented in real industrial settings.
- The activity helped in strengthening industry exposure and practical learning.
- The visit fulfilled the course gap by giving students hands-on industrial insight beyond classroom teaching.

## 6. Photographs & Documentation





## 7. Feedback Summary

- **Mode of feedback collection:** Written feedback from students
- **Average rating (if applicable):** Very Good
- **Key feedback insights:**

Students found the industrial visit highly useful and informative. They appreciated the demonstration of real manufacturing operations and the guidance provided by Mr. Praveen. The interaction helped them understand practical aspects of production processes more clearly.

## 8. Challenges Faced (if any)

- Managing time effectively for observing all plant sections within the visit duration.
- Ensuring that all students could clearly observe each operation in the working area.

## 9. Recommendations / Future Scope

- More such industrial visits should be organized for students to enhance practical exposure.
- Interaction sessions with industry experts may be increased during future visits.
- Visits to plants using advanced automated manufacturing systems may also be planned.

## 10. Annexures

- **Annexure I** – Attendance Sheet
- **Annexure II** – Event Notice
- **Annexure III** – Participant Feedback Summary
- **Annexure IV** – Photographs of the Visit

### Report Prepared By:

**Name:** Mr. Vikas Sharma

**Designation:** Faculty, Department of Mechanical Engineering

**Signature:** \_\_\_\_\_

### Verified By:

**HoD**

### Approved By:

**Director**