



Gyanmanjari Institute of Technology Bhavnagar



KTM Technology & Innovation Pvt. Ltd. Industrial Visit Report

Visit Date: 02/03/2026

No. of Student	48
Department	Mechanical Engineering
Semester	Diploma & B.Tech. - 2 nd , 4 th and 6 th
Faculty Co-Ordinator	Prof. Anjali Nair & Prajesh Dave

Objective

The industrial visit aimed to:

- Provide students with real-time exposure to industrial manufacturing processes.
- Bridge the gap between theoretical knowledge and practical industrial applications.
- Enhance understanding of CNC machines and modern machining technologies.
- Familiarize students with industrial working environments and practices.
- Develop awareness about production, quality control, and automation systems.

About Activities

An **industrial visit** was organized on **02 March 2026** for Mechanical and Aeronautical Engineering students to KTM Technology & Innovations (India) Pvt. Ltd..

The company is a well-known manufacturer of CNC and advanced machining solutions, specializing in various machines such as VMC, HMC, DTC, and other precision equipment used in modern industries.

Visit Highlights

The visit included:

- Introduction to the company profile, products, and industrial applications
- Overview of CNC machining centers and advanced manufacturing systems
- Live demonstration of machine operations and production processes
- Explanation of design, assembly, and testing procedures
- Insights into quality control, maintenance, and industrial safety practices

Students were guided by industry experts who explained how modern CNC machines are designed and manufactured to achieve high precision and efficiency.

Technical Exposure

Students observed:

- CNC machining operations and automation systems
- Tooling techniques and material handling processes
- Machine structure, control systems, and programming basics
- Real-time production workflow in an industrial environment

The visit provided a clear understanding of how theoretical concepts such as machining, manufacturing processes, and automation are applied in industries.

Student Participation

- Students actively participated and showed keen interest during the visit.
- They interacted with industry professionals and clarified their doubts.
- Students observed industrial practices and gained practical insights.

Outcome of the Activity

The industrial visit proved to be highly beneficial for students. It:

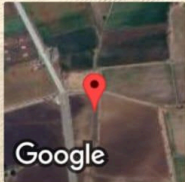
- Enhanced practical knowledge of CNC machines and manufacturing processes.
- Improved understanding of industrial workflow and production systems.
- Increased awareness about modern machining technologies and automation.
- Bridged the gap between classroom learning and industrial application.
- Motivated students toward skill development and industry readiness.

The visit successfully provided valuable exposure to real-world engineering practices and helped students understand the functioning of modern manufacturing industries.









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