

# Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune

**Industrial Visit Report**

**Date: 11<sup>th</sup> Feb 2026**

**Nord Drivesystems Pvt. Ltd., Hinjawadi**

## **1. Introduction**

The *Department of CSE-IOTCSBT* and the *Department of Mechanical Engineering* jointly organized an industrial visit to **Nord Drivesystems Pvt. Ltd., Hinjawadi** for second-year students. The visit was conducted to provide practical exposure to industrial manufacturing systems and automation technologies. The students were accompanied by **Prof. Anuja Mate, Dr. Sampada Dravid and Dr. Girish Kotwal**.

On 21 November, Dr. Priya Shelke, Dr. Suruchi Dedgoakar, Dr. Atul Kulkarni Sir, and Our Director Dr. Vivek S. Deshpande also visited Nord Drivesystems Pvt. Ltd. During this visit, a Memorandum of Understanding (MoU) was formally signed to strengthen industry-academia collaboration and promote future technical activities, internships, and knowledge-sharing initiatives.

Industrial visits are an essential part of engineering education as they help students connect theoretical knowledge with real-world industrial practices. This visit enabled students to observe advanced drive technologies, understand industrial workflows, and experience professional work culture in a modern manufacturing environment.

The primary objectives of the industrial visit were:

- To understand industrial drive systems and automation technologies
- To observe real-time manufacturing and assembly processes
- To learn about energy-efficient motor technologies
- To study quality inspection and testing procedures
- To promote interaction between students and industry professionals

Nord Drivesystems Pvt. Ltd. is a globally recognized company specializing in drive technology solutions such as geared motors, industrial electric motors, frequency inverters, and gear units. The company plays a significant role in supporting industries like automation, robotics, material handling, packaging, and manufacturing through innovative and energy-efficient solutions.

During the introductory session, company representatives explained the organization's product portfolio, technological advancements, and its contribution to modern industrial automation.

During the visit, students actively observed and learned about advanced industrial manufacturing and drive technology systems at Nord Drivesystems. The technical demonstrations included:

- Drive system integration used in material handling, robotics, and automation industries
- Assembly and working principles of geared motors
- Manufacturing and testing processes of industrial electric motors
- Function and application of frequency inverters in automation and energy optimization
- Gear unit design, production methods, and quality inspection techniques

Students were guided through different departments including assembly lines, testing sections, and quality assurance units. The experts explained each process step-by-step and answered students' queries, making the session highly interactive and informative.

### ➔ **Key Advantages for Students**

The industrial visit provided several important benefits to the students:

- Exposure to a globally recognized drive systems manufacturing facility
- Understanding of geared motor technology, industrial drives, and automation solutions
- Learning about energy-efficient motor technologies and inverter-based control systems
- Insights into real-time production, assembly lines, and quality assurance processes
- Awareness of industrial applications across sectors such as automation, robotics, packaging, and manufacturing
- Strengthened industry–academia interaction and awareness of career opportunities in core engineering industries

The industrial visit to Nord Drivesystems Pvt. Ltd. was a highly enriching and educational experience. It enhanced students' understanding of industrial manufacturing systems, automation technologies, and quality standards. The exposure to real industrial practices helped students appreciate the importance of innovation, efficiency, and teamwork in engineering industries.

Such visits play a crucial role in preparing students for future professional careers by improving their practical knowledge and confidence.

We sincerely thank **Deokule Sir and his team** at Nord Drivesystems Pvt. Ltd. for conducting an interactive and engaging session. We also extend our gratitude to **Dr. Suruchi Dedgaonkar** for initiating and coordinating this industrial visit. Special thanks to the accompanying faculty members for their guidance and support in making the visit successful.










GPS Map Camera



**Pune, Maharashtra, India** 

Rajiv Gandhi Infotech Park Phase 2, Hinjawadi, Pune, Maharashtra  
411057, India

Lat 18.592999, Long 73.702311

Wednesday, 11/02/2026 03:11 PM GMT+05:30

Note : Captured by GPS Map Camera

