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

Industrial Visit Report

Forbes Marshall Office Visit

Date: 27/02/2026

1. Visitors details:

College Name: Vishwakarma Institute of Information Technology (VIIT), Kondhwa, Pune

Department: Computer Science Engineering (IoTCSBT)

Faculties name: **Dr Vivek Patil, AI & DS department**

Prasad Chaudhari, CSE IoTCSBT department

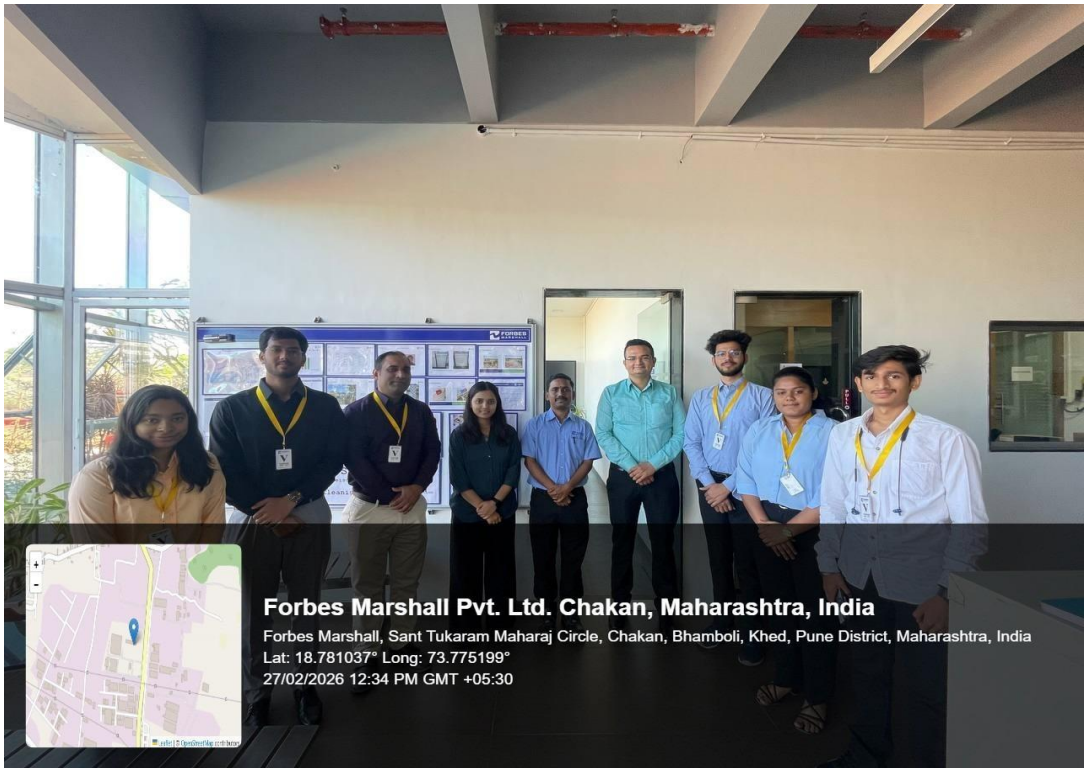
Student Name: **Samarth Ghante, Ishwari Kanade, Khushi Nandurkar (TY CSEIoTCSBT)**

Visit Type: Industrial/Field Visit

2. Project Title: Virtual Assembly Instruction Sheets

This visit was conducted as part of the development and validation process for the project "Virtual Assembly Instruction Sheets", which aims to improve assembly workflow efficiency through structured digital instruction delivery.

3. Geo-Tagged Images



4. Activities Conducted During the Visit

4.1 **Project Presentation**

We presented our project "Virtual Assembly Instruction Sheets" to the FM team. The presentation focused on explaining the objective of the system, its workflow, and how it can support assembly operations by providing structured digital guidance.

4.2 **Feedback and Technical Inputs**

The FM team gave very positive feedback on the project and appreciated its practical usability in real industrial environments. They found the solution useful and well-designed, and also suggested a few improvements to better align it with their existing workflow and assembly processes.

Suggestions by the Forbes Marshall team:

- Improve system functionality by adding Google Drive video upload, testing tools, and clear quality checkpoints.
- Enhance system management with revision history tracking and role-based logins (IT, Quality, Inspection).

- Improve overall efficiency by simplifying features and ensuring better organization of tracking processes.

4.3 **Assembly Workstation Observation**

We visited and observed their assembly workstation setup to better understand their operational pipeline. This helped us gain insights into real-world assembly procedures, operator interaction with tools, and opportunities where our solution could be integrated effectively.

5. **Learning Outcomes**

The visit helped us:

- Understand real-world assembly workflows in an industrial environment
- Identify integration challenges for digital instruction systems
- Receive expert feedback for improving system compatibility
- Observe workstation-level implementation requirements

Conclusion:

The FM office visit was highly informative and beneficial for validating the practicality of our project. The interaction with industry professionals provided valuable direction for improving the system and ensuring better alignment with real assembly workflows.