

INDUSTRY VISIT REPORT

Industry : DataTech Labs

Institute : Vishwakarma Institute of Information Technology, Pune

Date of Visit : 27th March 2026

Time : 10:00 AM to 6:00 PM

Location : DataTech Labs Company

Contact Person : Mr. Atharva Desai

Attendees :

Faculty : Prof. Vilas Ghonge

Students : Omkar Babar, Pranita Kute, Vedant Wahile, Tejas Deore

Objective of the Visit

To deploy the **Resource Optimization Project** at DataTech Labs and collaborate with the DevOps and Testing teams to ensure smooth deployment, functionality validation, and understanding of real-time industrial workflows.

About the Industry

The DataTech Labs is an AI solutions and digital transformation company helping enterprises accelerate AI transformation across core business functions.

The organization specializes in building scalable, production-grade systems that integrate agentic AI, advanced analytics, and automation into enterprise operations. Their services include Agentic AI & Intelligent Bots, AI Platforms, Data Engineering, Enterprise Integration, and AI capability building.

DataTech Labs enables organizations to transition from legacy systems to intelligent infrastructures, supporting cost reduction, faster decision-making, and improved operational efficiency across industries such as BFSI, healthcare, manufacturing, telecom, and retail.

Additionally, the company is actively involved in AI education and training through collaborations with NASSCOM FutureSkills Prime, MeitY, and AICTE, offering certified programs in AI, GenAI, Data Science, and related domains.

Discussion

1. Project Deployment with DevOps Team

The visit began with the deployment of the **Resource Optimization Project** in collaboration with the DevOps team at DataTech Labs. The team worked on integrating the project into the existing system environment and ensured that the deployment process was smooth and efficient.

Key aspects discussed included system configuration, deployment pipelines, and maintaining stability in a production-like environment.

2. Interaction with Testing Team

Post-deployment, a discussion was conducted with the Testing team to ensure the proper validation of the deployed system. The project workflow, features, and functionalities were explained in detail to the testers.

The team also addressed queries raised by the testing team and clarified the expected outputs and behavior of the system.

3. Testing Requirements and Validation Process

The importance of testing after deployment was highlighted, focusing on identifying bugs, ensuring system reliability, and validating performance. The discussion covered:

- Understanding testing requirements for real-world applications
- Ensuring proper workflow validation
- Identifying potential issues and edge cases
- Improving system reliability before full-scale usage

This interaction helped in aligning the project with industry-level testing standards.

Learning Outcomes

- Gained practical experience in deploying a project in a real industry environment.
- Understood the role of DevOps in managing deployment pipelines and system integration.
- Learned the importance of testing and validation after deployment.
- Improved understanding of how to communicate project workflows to non-development teams.
- Gained insights into real-world industry practices, collaboration, and problem-solving.

Conclusion

The industry visit to DataTech Labs provided valuable hands-on experience in deploying and validating a real-world project. The interaction with the DevOps and Testing teams helped in understanding the complete lifecycle of a project from deployment to testing.

This experience enhanced the team's technical knowledge and provided clarity on industry expectations, ensuring that the project aligns with real-world requirements and standards.

