

A. Y. Dadabhai Technical Institute, Kosamba

Report

ON

VISIT AT

MALIBA CAMPUS

FOR

CLOUD COMPUTING

22th February 2025

Organized by

Computer Department



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REPORT ON ONE-DAY INDUSTRIAL VISIT TO MALIBA CAMPUS FOR CLOUD COMPUTING WORKSHOP

A.Y. Dadabhai Technical Institute, Kosamba focuses on the overall growth of the students. Computer Department arranges many activities during the semester to improve the Students performance in every category like Elocution Competition, Quiz Competition and also Fun activities. Students must be familiar with the practical terms which are covered in their curriculum. So the Visit can make them understand how the theories work actually in the real world.

The Computer Engineering Department of A. Y. Dadabhai Technical Institute, Kosamba, organized a one-day industrial visit to Maliba Campus for a specialized **Cloud Computing Workshop**. The visit was designed to provide students with an in-depth understanding of cloud computing concepts, applications, and industry practices.

Cloud computing has revolutionized the IT industry by offering scalable and cost-effective solutions for businesses. This visit aimed to introduce students to cloud infrastructure, deployment models, and hands-on experiences with cloud-based tools and services. Total 57 students of 6th semester and 5 staff members went for visit.

Objectives of the Visit

The primary objectives of this industrial visit were:

1. To familiarize students with the fundamentals of cloud computing and its real-world applications.
2. To provide hands-on exposure to cloud-based platforms and services.
3. To explore different cloud deployment models (Public, Private, Hybrid) and service models (IaaS, PaaS, SaaS).
4. To enhance students' knowledge of cloud security, storage, and virtualization.
5. To bridge the gap between theoretical learning and industry practices.

Here is a summary of the key takeaways from the visit:

1. Introduction to Maliba Campus and Computing Facilities

The visit started with a welcome session, where students were introduced to Maliba Campus's state-of-the-art infrastructure. The faculty members briefed students on the significance of cloud computing and its growing demand in various industries.

2. Overview of Cloud Computing

Experts from the campus delivered an insightful presentation on:

- What is Cloud Computing?
- Evolution and significance of cloud technology.
- How businesses leverage cloud solutions for scalability and efficiency.

3. Live Demonstration of Cloud Services

Students were provided hands-on experience with cloud-based platforms, including:

- **Virtual Machines & Cloud Storage** – Setting up instances on cloud environments.
- **Deploying Applications on the Cloud** – Hosting web applications using cloud services.
- **Cloud-Based Databases** – Managing databases on cloud platforms like AWS, Azure, or Google Cloud.

4. Discussion on Cloud Security and Deployment Models

- Understanding security concerns in cloud computing.
- Different deployment models: Public, Private, and Hybrid Clouds.
- How enterprises choose cloud solutions based on security, cost, and scalability.

5. Career Opportunities in Cloud Computing

Industry professionals guided students on career paths in cloud computing, covering:

- Job roles such as Cloud Engineer, DevOps Engineer, and Cloud Architect.
- Certifications like AWS Certified Solutions Architect, Microsoft Azure, and Google Cloud Professional.
- The importance of programming languages like Python and tools like Docker and Kubernetes in cloud computing.

Overall, The visit to Maliba Campus for the **Cloud Computing Workshop** was an enriching experience for both students and faculty members. It provided practical insights and industry-oriented learning, helping students bridge the gap between academic knowledge and real-world applications. The session successfully motivated students to explore career opportunities in cloud computing and advanced IT infrastructure.





