

**Batch - 2024**



# **A.Y. Dadabhai Technical Institute, Kosamba**

**Managed By: The Suratee Sunni Vohra Muslim Education Society, Surat**

## **Industrial Visit -2025**

**Organised By:**



**Computer  
Engineering Department**

**NBA Accredited Program**

**Place of Visit: CCTV Control Center**

**Date of Visit: 30th September 2025**

**No. of Students: 37**

**Faculty Members: 04**

# Industrial Visit Report

## Introduction

- Industrial visits are an essential part of technical education as they provide students with practical exposure and help bridge the gap between theoretical knowledge and real-world applications.
- The Computer Engineering Department of A.Y. Dadabhai Technical Institute, Kosamba organized an industrial visit to the CCTV Control Centre in Surat on 30th September 2025.
- The main objective of the visit was to understand the functioning, monitoring systems, and technological infrastructure of modern surveillance systems.

## Objectives of the Visit

- To understand the architecture and working of CCTV control systems.
- To learn about video monitoring, data storage, and network communication in surveillance systems.
- To observe the integration of software and hardware in real-time monitoring.
- To gain insight into the security protocols and technological innovations used in CCTV networks.

## Activities During the Visit

- **Control Room Setup:** The centre had multiple screens displaying live CCTV footage from various parts of Surat.
- **Monitoring System:** Students learned how cameras are connected to a central server for real-time surveillance and monitoring.
- **Data Storage:** The staff explained the use of network video recorders (NVRs) and cloud-based storage for storing surveillance footage.
- **Software Integration:** The control system software allows operators to zoom, track, and manage cameras efficiently.
- **Security Measures:** Protocols for data security, restricted access, and emergency response mechanisms were explained.
- Students also had the opportunity to ask questions about networking, hardware setup, and software management.

## Learning Outcomes

- Gained practical knowledge of CCTV technology and surveillance networks.
- Understood the importance of security, monitoring, and data management in modern cities.
- Observed the integration of computer networks, databases, and real-time monitoring software.
- Learned how engineers and operators collaborate to maintain efficient surveillance systems.

## Conclusion

- The industrial visit to the CCTV Control Centre, Surat was highly informative and beneficial. It gave students hands-on exposure to modern surveillance technologies and helped them connect classroom concepts with real-world applications. Such visits motivate students to explore practical aspects of their field and understand professional responsibilities in technology-driven environments.

# Gallery

## Industrial Visit @ CCTV Control Center



## Group Photo @ CCTV Control Center



Industrial Visit  
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