

# A. Y. Dadabhai Technical Institute, Kosamba

## Report

ON  
EXPERT LECTURE  
**CURRENT**  
**ADVANCEMENTS IN IT**  
BY  
Mr. Dhiren Patel,  
Trainer,  
TOPS Technologies, Surat

10<sup>th</sup> August 2024



Organized by

**Computer Department**



**A. Y. Dadabhai Technical Institute, Kosamba**  
Mahuvej Road, At & Po. Kosamba (R.S),  
Dist: Surat

## Details of Expert Lecture on "CURRENT ADVANCEMENTS IN IT"

**Date:** August 10, 2024

**Venue:** A.Y. Dadabhai Technical Institute, Kosamba

**Organized by:** Computer Department, A.Y. Dadabhai Technical Institute

**Speaker:** Mr. Dhiren Patel, Trainer, TOPS Technologies, Surat

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### Introduction

The Department of Computer Engineering at A. Y. Dada Bhai Technical Institute, Kosamba, organized an expert lecture on "*Current Advancements in IT*" for the 1st-semester diploma students. The session was conducted on 10-08-2024 and Mr. Dhiren Patel, an esteemed Trainer from TOPS Technologies, Surat, as the guest speaker.

### Objectives

The primary goal of the lecture was to introduce the students to the latest advancements in Information Technology and provide insights into emerging trends, technologies, and career opportunities in the IT sector.

- To introduce students to the latest advancements in IT.
- To highlight emerging trends and technologies in the field.
- To provide insights into career opportunities and skill requirements.

The lecture covered various key aspects of building a career in the IT sector, including:

- **Introduction to IT Industry:**
  - Overview of the global and Indian IT industry.
  - Current trends such as AI, cloud computing, cybersecurity, and big data.
- **Career Opportunities:**
  - Software development, networking, cybersecurity, database management, and system analysis.
  - Importance of coding skills, database knowledge, and emerging technologies.
- Artificial Intelligence and Machine Learning
- Cloud Computing and its applications
- The growing significance of Cybersecurity
- Internet of Things (IoT) and its real-world implementations
- Emerging trends in Software Development
- Career pathways and skills required to excel in IT

**DATE: 10-08-2024**

## **Expert Lecture on "CURRENT ADVANCEMENTS IN IT"**

A.Y. Dadabhai Technical Institute, Kosamba aims to cater the society with skilled manpower and Efficient team members. Institute believes in total improvement of each students. Since 2009 Computer Department of A.Y. Dadabhai Technical Institute has served many scholar students to the society. Today's Era is Computer and Internet Era.

Hence we, at Computer Department planned the Expert Lecture on **CURRENT ADVANCEMENTS IN IT** for 1<sup>st</sup> **semester** students on 10<sup>th</sup> August 2024. We invited **Mr.Dhiren Patel ,Trainer,TOPS Technologies, Surat** to deliver the Useful Information and Make the Students aware about the Different Courses running in tops technologies as well what are the most popular technologies in the world currently. He introduces the basics of all cutting edge technology in the field of Android.

He discussed about the how Information Technology plays a vital role in modern industries, such as healthcare, finance, education, and entertainment, latest technologies driving the IT sector, like Artificial Intelligence (AI), Machine Learning (ML), Cloud Computing, Blockchain, Internet of Things (IoT), and Cybersecurity. Talk about roles in IT consulting, project management, and IT service management (ITSM). Discuss the importance of learning languages like Python, Java, C++, and JavaScript. Problem-solving, logical thinking, effective communication, teamwork, and adaptability are crucial in IT careers. Discuss specific roles like full-stack developers, AI engineers, cloud engineers, and security experts that are highly sought after in the job market.

Overall the purpose for organizing this Expert Lecture is fulfilled completely. The session proved to be immensely beneficial for the students. It not only broadened their understanding of contemporary IT advancements but also inspired them to explore innovative areas in technology. The lecture encouraged students to develop skills that align with current industry demands.

## Glimpse of the Seminar

