

# A. Y. Dadabhai Technical Institute, Kosamba

## Report

ON  
**EXPERT LECTURE**  
**SOFTWARE TESTING**

BY  
Mr. Chintan Chovatiya,  
Software Engineer/Trainer,  
TOPS Technologies, Surat

20<sup>th</sup> January 2025



Organized by

**Computer Department**



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

## **Details of Expert Lecture on “SOFTWARE TESTING”**

**Date:** January 20, 2025

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

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

**Speaker:** Mr. Chintan Chovatiya, Software Engineer /Trainer,  
TOPS Technologies, Surat

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### **Introduction**

On January 20, 2025, the Computer Department of A.Y. Dadabhai Technical Institute organized a expert lecture on “**SOFTWARE TESTING** ” The session was aimed at providing students with valuable insights into the various career paths and opportunities available in the Software tester in industry.

### **Objectives**

The primary objectives of the expert lecture were to:

- Familiarize students with the fundamentals of software testing.
- Highlight the importance of testing in ensuring software quality.
- Introduce students to modern testing tools and techniques.
- Motivate students to consider software testing as a rewarding career path.

### **Content of the Lecture:**

The session commenced with a warm welcome of Mr. Chintan Chovatiya and outlined the significance of software testing in the software development process. The program was structured as follows:

#### **Introduction to Software Testing**

- Definition and objectives of software testing.
- Importance of software quality assurance in the development lifecycle.
- Overview of the testing process, including planning, execution, and reporting.

#### **2. Types and Methods of Testing**

- Explanation of manual testing and automated testing.
- Types of testing: Unit, Integration, System, and Acceptance Testing.
- Functional vs. Non-functional testing and their significance.

#### **3. Tools and Technologies in Software Testing**

- Overview of popular testing tools like Selenium, JUnit, and Postman.
- Demonstration of test automation with Selenium.
- Basics of performance and security testing tools.
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#### **4. Case Studies and Real-World Applications**

- Examples of testing failures and their business impacts.
- Case studies showcasing successful testing implementations in large-scale projects.

#### **5. Best Practices in Software Testing**

- Writing clear and concise test cases.
- Ensuring thorough documentation and reporting.
- Emphasizing collaboration between developers and testers for better results.

**DATE: 20/01/2025**

## **Expert Lecture on "SOFTWARE TESTING"**

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 **SOFTWARE TESTING** for 4<sup>th</sup> semester students on 20<sup>th</sup> January 2025. We invited **Mr. Chintan Chovatiya, Software Engineer /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 Software Testing

He discuss software testing is a critical process in the software development lifecycle that ensures the quality, reliability, and performance of software applications. It involves evaluating a software application against defined requirements to identify defects and ensure that the final product is bug-free and meets user expectations.

In today's fast-paced technological world, where software underpins almost every industry, the demand for skilled software testers has grown significantly. The lecture aimed to provide students with an understanding of software testing techniques, tools, and career opportunities, preparing them to excel in the field of software quality assurance.

The session concluded with an engaging Q&A session where students posed questions related to testing challenges, career opportunities, and emerging trends in software testing. Mr. Chintan Chovatiya answered these queries with practical insights, encouraging students to gain hands-on experience with testing tools and techniques.

Overall the purpose for organizing this Expert Lecture is fulfilled completely. Student had cherished this experience and also showed their interest to attend further workshops in their curriculum. The lecture was highly informative and well-received by the students. A strong foundation in the principles and practices of software testing.

1. Knowledge of industry-standard testing tools and methodologies.
2. Inspiration to pursue careers in software quality assurance.
3. Enhanced understanding of the critical role of testing in delivering high-quality software.

## Glimpse of the Seminar

