



"Techno-Social Excellence"  
Marathwada Mitramandal's  
INSTITUTE OF TECHNOLOGY (MMIT)  
Lohgaon, Pune-47

"Excellence in the field of AI & DS"  
Department of Computer Engineering  
(Academic Year 2022-23)


Industry Expert Lecture

On

Career Guidance in Software Testing

Held on  
20<sup>th</sup> May 2023

  
Coordinator  
Mrs. Tejaswini S. Bhoje  
Mrs. Uma B. Karanje 

  
HOD  
Dr.S.G. Rathod

## **Lecture Details**

**Subject:** Career Guidance in Software Testing

**Attendee:** Students (SE Computer and AI & DS students)

**Organized By:** Department of Computer Engineering, MMIT, Lohgaon-411 047

**Date:** 20<sup>th</sup> May 2023

**Mode of conduction:** Online (Google Meet)

### **Resource Person:**

Name: Mr. Rameshwar Indoriya

Experience: 07 Years

Designation: Sr. Software Engineer

Company: Publicis Sapient, Pune

## **Objective of Industry Expert Lecture**

The objective of this expert lecture is to introduce the students about the basics and emerging trends in Software Testing.

### **Introduction:**

Software testing is a crucial process in the software development lifecycle that ensures the quality, reliability, and performance of a software application. It involves evaluating a system or component by executing it with the intent of finding defects or verifying that it meets specified requirements.

The primary goal of software testing is to identify and report any discrepancies between the expected and actual behavior of the software. By doing so, software testing helps in enhancing the overall quality of the product, reducing the risk of failures, and increasing user satisfaction.

Software testing encompasses various activities and techniques that are performed to validate and verify the software. It involves designing test cases, executing them, analyzing the results, and reporting any issues or bugs found during the testing process. These activities can be performed manually or with the help of automated testing tools and frameworks.

### **Session by Mr. Rameshwar Indoriya**

He explained the basics as well as advanced tools of software testing used currently by software companies.

### Following topics are covered in the seminar

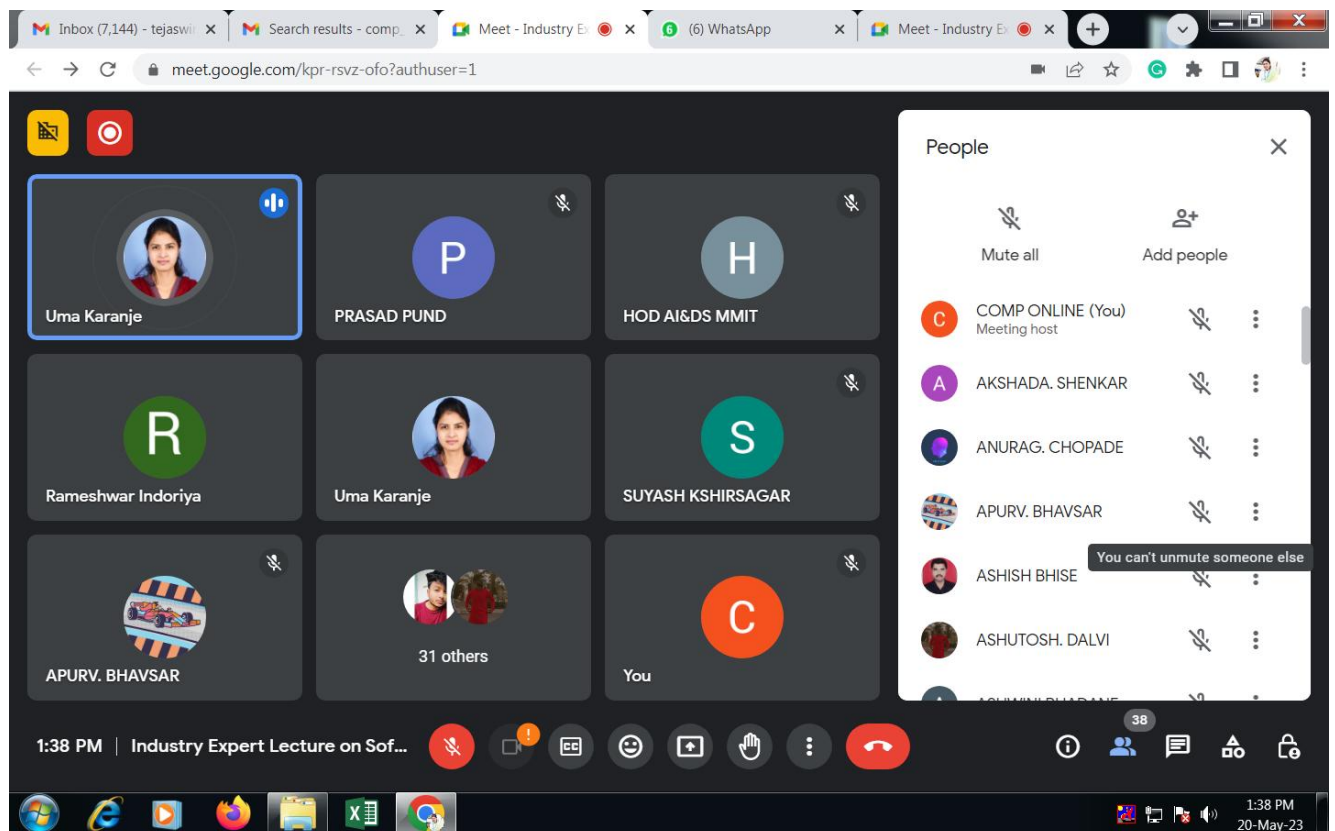
- Basics of Software Testing
- Types of software testing
- Tools of software testing
- Practical demo on testing

The speaker introduced students about the basics of software testing. He also briefed them about the types of software testing and automated tools available for same.

### Program Outcomes

- Students have understood basics of software testing
- Students have understood the types of software testing
- Students got to know about the tools available for automated software testing.

### Session photos



### Introduction about the speaker

The screenshot shows a Google Meet interface with a slide titled "Product Life Cycle" and "Product Development Cycle". The slide content includes:

- Product Life Cycle:** A circular flow diagram with stages: Concept Design, Engineering Design, Layout and Packaging, System Engineering, Power Train Engineering, Vehicle Integration, Prototyping, and Testing and.
- Product Development Cycle:** A similar circular flow diagram with stages: Backbone Services (PJM, FDM, Custom tion), Vehicle Integration, Prototyping, and Testing and.

The Meet interface shows the presenter "Rameshwar Indoriya" and a list of participants including Uma Karanje, APURV. BHAV..., HOD AI&DS M..., and 42 others. The bottom of the screen shows the Windows taskbar with the time 1:45 PM on 20-May-23.

### Explanation of Product Life Cycle

The screenshot shows a Google Meet interface with a slide titled "S/W Development Life Cycle (SDLC)". The slide content includes:

- S/W Development Life Cycle (SDLC):** A horizontal flow diagram with seven phases: Planning, Design & Prototyping, Testing, and Operations & Maintenance.
- Seven Phases of Software Development Life Cycle:** A detailed diagram showing the phases: Define Requirements, Software Development, and Deployment.
- Requirement Analysis:** A sub-diagram showing the flow from Requirement Analysis to Feasibility Study, then to Design, Coding, Testing, Install Deploy, and Maintenance.

The Meet interface shows the presenter "Rameshwar Indoriya" and a list of participants including Uma Karanje, COMP ONLINE, HOD AI&DS M..., and 43 others. The bottom of the screen shows the Windows taskbar with the time 1:45 PM on 20-May-23.

### Explanation of SDLC

## Students Attendance

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