



## **GUEST TALK ON** **“Building Reliable Software Through Testing”**

**Organized by**  
**Department of MCA**

**DATE: 13th December 2025**

**VENUE: B 304**

### **BRIEF DESCRIPTION OF THE EVENT:**

A guest talk on "Building Reliable Software Through Testing" was organized for the MCA I semester students on Saturday, 13th December 2025. The session was conducted by Ms. Bhoomika S, a knowledgeable speaker with a strong foundation in software testing concepts and practices, including manual, automation, and Agile testing. The aim of the session was to provide participants with a clear and practical understanding of various testing concepts, types, and methodologies, with a focus on practical application in real-time and Agile-based projects.

#### **Topics Emphasized**

- Introduction to Software Testing**

The session explained how testing ensures that software meets both technical specifications and customer requirements.

- Manual and Automation Testing**

Participants were introduced to manual and automation testing approaches. The advantages, use cases, and differences between both methods were explained.

- Types of Software Testing**

The session covered white box, black box, and gray box testing techniques. Further emphasis was given to functional and non-functional testing, including unit, integration, system, performance, usability, and compatibility testing.

- Risk-Based, Smoke, and Sanity Testing**

The importance of prioritizing high-risk areas through risk-based testing was emphasized. Smoke and sanity testing were explained as quick validation techniques before detailed testing.

- Agile Testing Concepts**

Agile methodology was introduced, highlighting its principles, benefits, and how continuous testing supports faster delivery, better quality, and customer satisfaction.

#### **Key Takeaways**

- Understood the role of testing across SDLC and STLC phases.
- Learned the differences between manual and automation testing and their practical applications.
- Gained clarity on functional and non-functional testing types with real-time relevance.
- Understood how agile testing supports continuous improvement and faster delivery.

## **ACTIVITIES CONDUCTED:**

- **Live Demonstration**

A live demonstration session was conducted by involving students and guiding them to perform testing using the Testsigma tool. Students Yashwanth M and Sufiya Noorain actively participated in the demonstration by performing testing on e-commerce websites.

- **Q&A Session**

The session concluded with an interactive question-and-answer session, where students clarified their doubts related to test case design, Agile testing, and the Testsigma tool, gaining valuable insights and guidance on career opportunities in software testing.

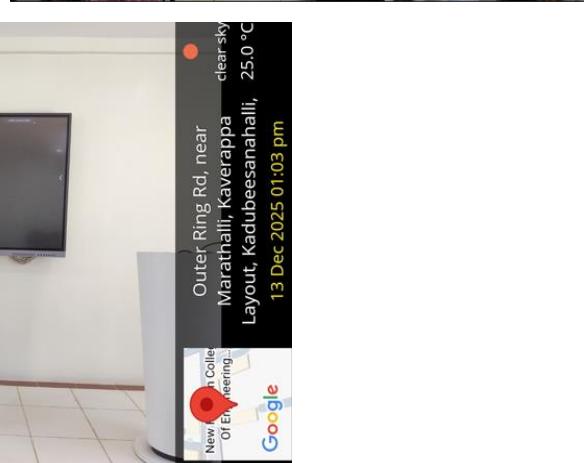
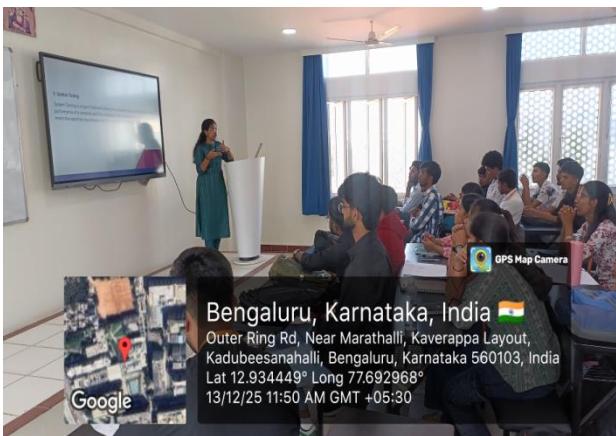
**NO. OF PARTICIPANTS: 42**

**WINNERS (if any, for activities conducted): NA**

**GUEST DETAILS (Name, Designation, Organisation, Location):**

Ms. Bhoomika S  
Solution Engineer  
TestSigma, Bangalore.

## **PHOTOGRAPHS OF THE EVENT:**





Guest Lecture

## Building Reliable Software through Testing

📅 13<sup>th</sup> December 2025

⌚ 11:00 AM - 01:00 PM

📍 B 304 - MCA

👤 1<sup>st</sup> Semester MCA Students



**Ms. Bhoomika S**  
Solution Engineer  
TestSigma

Faculty Coordinator

**Dr. N S Sukanya**

Associate Professor - MCA

Convenor

**Dr. V. Asha**

Professor and HoD - MCA

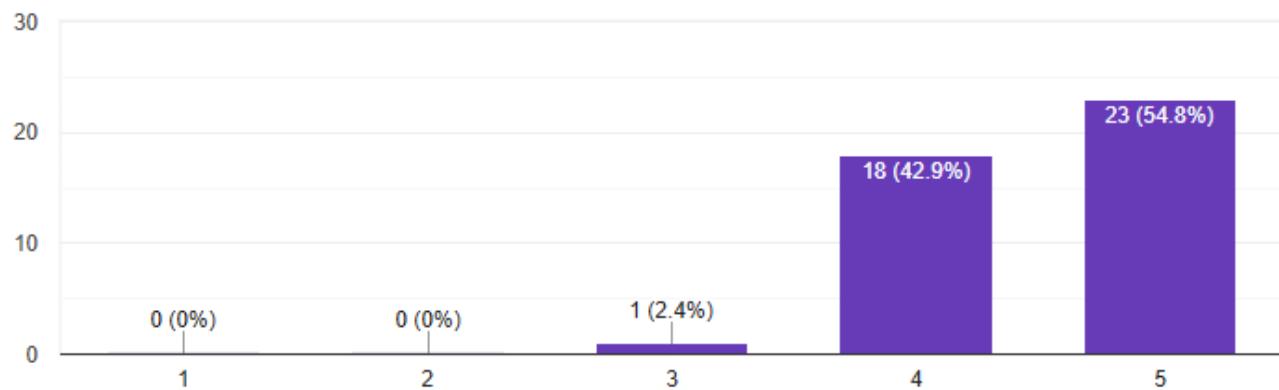
Organised by

Department of Master of Computer Applications

## FEEDBACK

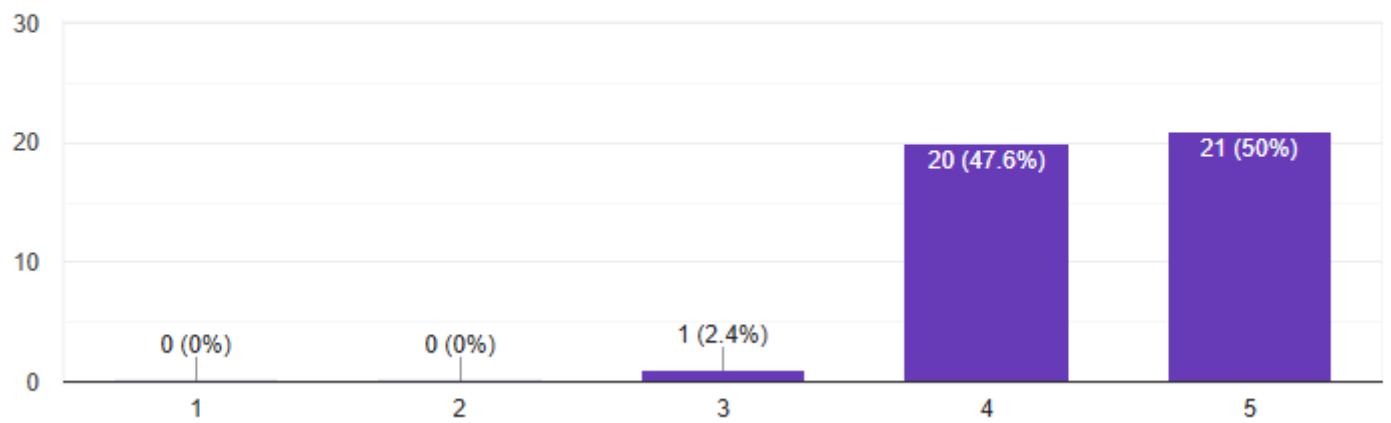
Quality of the training content

42 responses



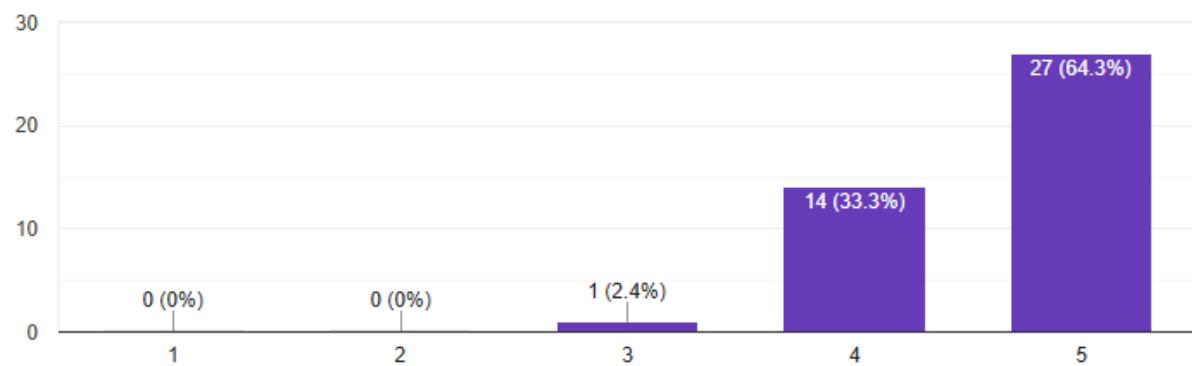
### Clarity of the presentation.

42 responses



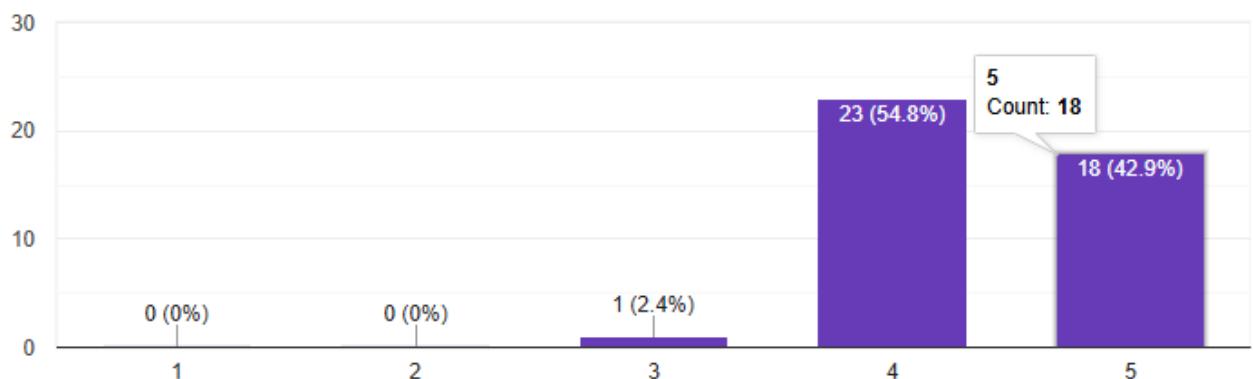
### Effectiveness of the examples depicted during the session.

42 responses



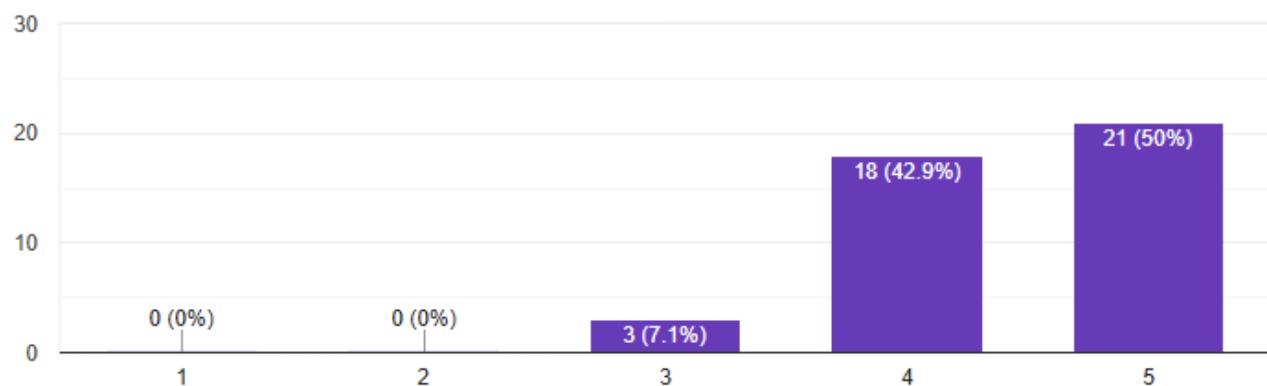
### Achievement level in understanding the topics

42 responses



How relevant was the content of the session to your course or academic interests?

42 responses



**CO-ORDINATOR**  
**Dr. SUKANYA N S**

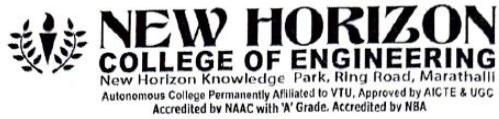
**HOD-MCA**  
**Dr. V. ASHA**

Head of the Department  
Department of Master of Computer Applications  
NEW HORIZON COLLEGE OF ENGINEERING  
Ring Road, Bellandur Post, Bengaluru - 560 102

## ATTENDANCE

GUEST LECTURE – Building Reliable Software Through Testing

DATED: 13.12.2025



### DEPARTMENT OF MCA

AY 2025-26

### ATTENDANCE SHEET OF PARTICIPANTS

#### GUEST LECTURE

#### Building Reliable Software Through Testing

RESOURCE PERSON: Ms. Bhoomika S

Solution Engineer

TestSigma

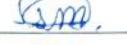
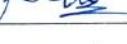
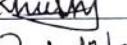
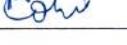
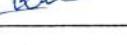
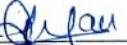
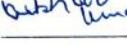
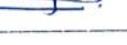
DATE: 13-12-2025

TIME: 11:00 am to 1:00 pm

PARTICIPANTS: STUDENTS SEM I

VENUE: B304

SERIAL NO	USN NO	NAME	SIGNATURES
01.	25MCA051-T	Vinit Bhati	Vinit B
02	25MCA011-T	Vishal Kumar	Vishal
03	25MCA077-T	Vishal Kashyap	Vishal
04	25MCA108-T	Sufiya Naureen	Sufiya Naureen
05	25MCA150-T	Vidya. K.	Vidya. K.
06	25MCA010-T	Sanjana. U. Patil	Sanjana. U. Patil
07	25MCA092-T	Shweta. G. Mallanna	Shweta. G. Mallanna
08	25MCA024-T	Sanjana. S. C	Sanjana. S. C
09	25MCA179-T	Shravani	Shravani
10	25MCA094-T	Thanu Shree. G	Thanu Shree. G
11	25MCA180-T	Veelkha Hegde	Veelkha Hegde
12	25MCA147-T	Runil Kumar	Runil Kumar

SERIAL NO	USN NO	NAME	SIGNATURES
13	25MCA127	Tejas Yantachi	
14	25MCA138-T	Venkatesh.G	
15	25MCA120	Veeresh.K.Sheen	
16	25MCA121	Tavisali, M.D	
17	25MCA119	Suneel.K. Chaddi	
18	25MCA132-T	Sohankumar Mahadev Naik	
19	25MCA117-T	Sudeep.S. Mengdi	
20	25MCA008-T	Sourik.Kamila	
21	25MCA128-T	Yashwanth.M	
22	25MCA044-T	Himanshu Satwani	
23	25MCA097-T	Ananya Kulkarni	Ananya
24	25MCA060-T	Sulochana.K	
25	25MCA102-T	Ashitha.UK	
26	25MCA140-T	Inchara.S.K	
27	25MCA080-T	Khushi.K.S	
28	25MCA056-T	Prerana Majalikar	Rajalika
29	25MCA054-T	Omkar Powar	
30	25MCA005-T	Mohit Gururani	
31	25MCA063-T	Kunal Siraj	
32	25MCA001-T	Rajam Poddar	Rajam
33	25MCA172-T	Thanya.M.M	
34	25MCA034-T	Vaishnavi Umesh.M	
35	25MCA008-T	Vageesha.Yadav	
36	25MCA069-T	Shreya Ulegaddi	

GUEST LECTURE – Building Reliable Software Through Testing

DATED: 13.12.2025

## EVENT COORDINATOR

*(L)*  
HOD-MCA

HOD-MCA

Head of the Department  
Department of Master of Computer Applications  
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