



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

13th December 2025

11:00 AM - 01:00 PM

B 304 - MCA

1st Semester MCA Students



Ms. Bhoomika S
Solution Engineer
TestSigma

Faculty Coordinator
Dr. N S Sukanya
Associate Professor - MCA

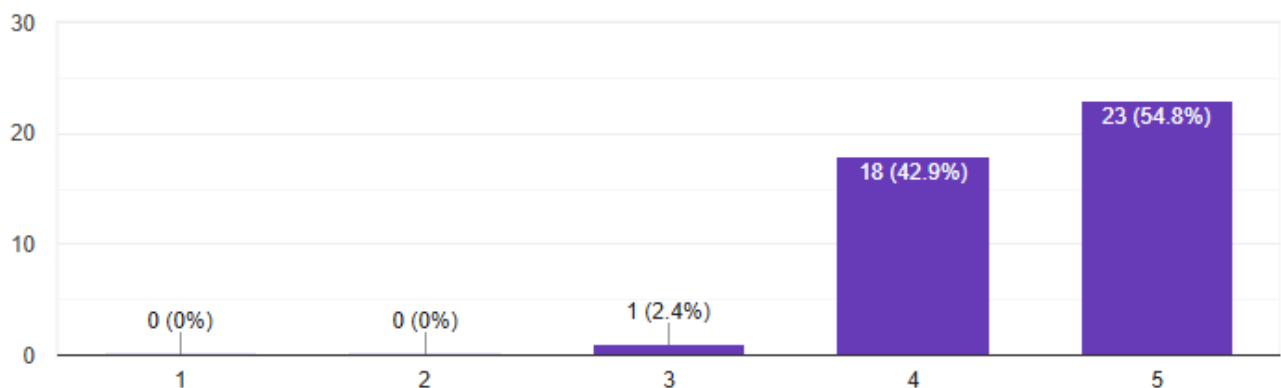
Convenor
Dr. V. Asha
Professor and HoD - MCA

Organised by
Department of Master of Computer Applications

FEEDBACK

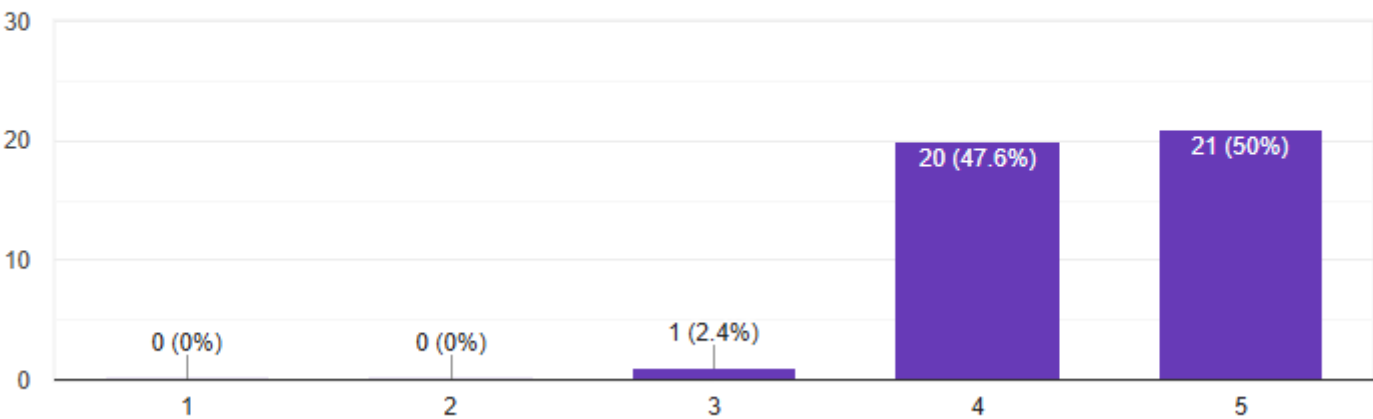
Quality of the training content

42 responses



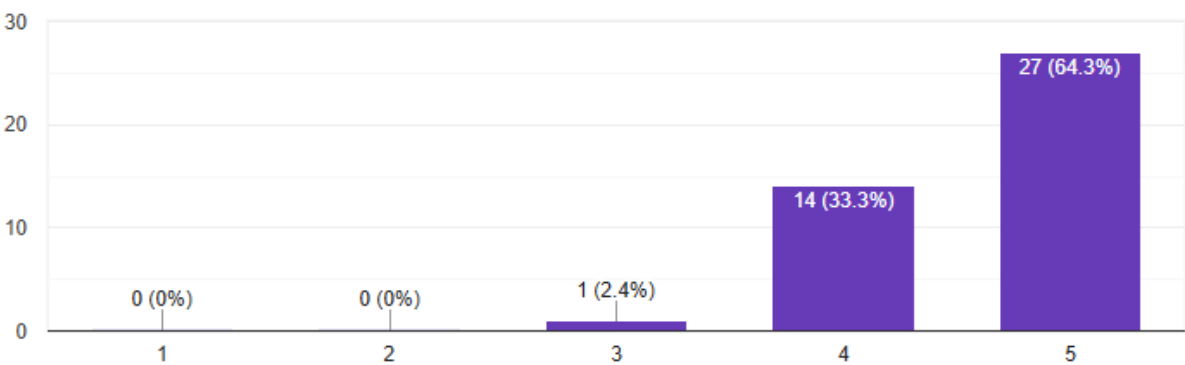
Clarity of the presentation.

42 responses



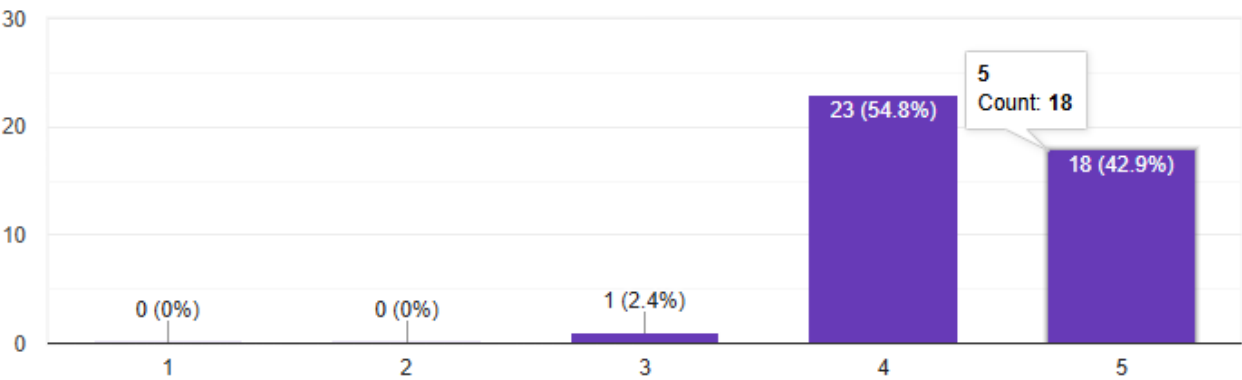
Effectiveness of the examples depicted during the session.

42 responses



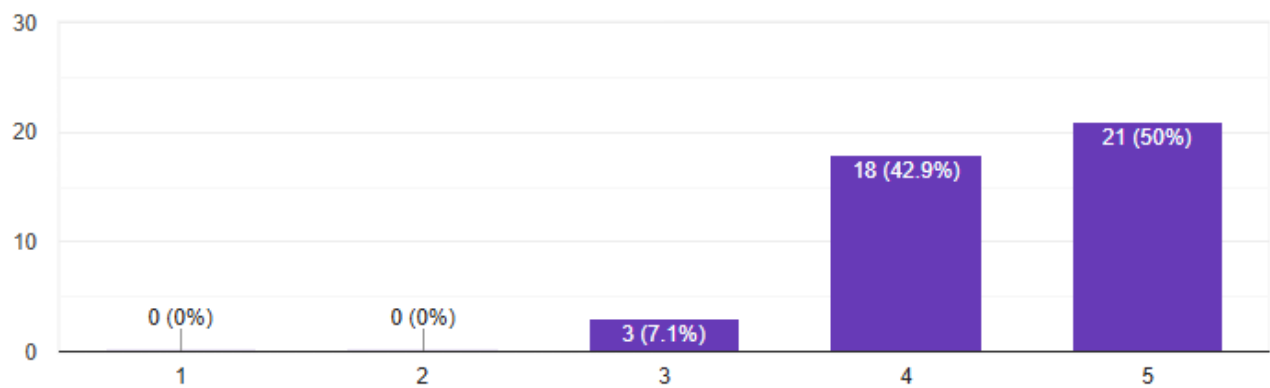
Achievement level in understanding the topics

42 responses



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

42 responses



CO-ORDINATOR
Dr. SUKANYA N S

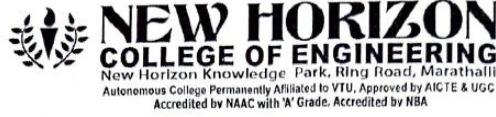
HOD-MCA
Dr. V. ASHA

Head of the Department
Department of Master of Computer Applications
NEW HORIZON COLLEGE OF ENGINEERING
7th 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







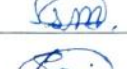





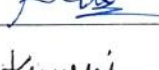
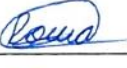

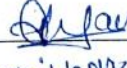
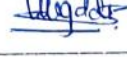
DATE: 13-12-2025

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 Noorain	Sufiya Noorain
05	25MCA150-T	Vidya. K	Vidya. K.
06	25MCA010-T	Sanjana. U. Patil	Sanjana. U. Patil
07	25MCA092-T	Shweta. G. Mallamwar	Shweta. G. Mallamwar
08	25MCA024-T	Sanjana. S. C	Sanjana. S. C
09	25MCA179-T	Shravani	Shravani
10	25MCA094-T	Tharu Shree. G	Tharu Shree. G
11	25MCA180-T	Veeksha Hegde	Veeksha Hegde
12	25MCA147-T	Runil Kumar	Runil Kumar

SERIAL NO	USN NO	NAME	SIGNATURES
13	25MCA127	Tejas Yantachi	
14	25MCA138-T	Venkatgiri G	
15	25MCA120	Veeresh K. Sheeni	
16	25MCA121	Tavisali, M.D	
17	25MCA119	Sunee K. Chaddi	
18	25MCA132-T	Bhankumar Mohandas Naik	
19	25MCA117-T	Sudeep S. Mengji	
20	25MCA008-T	Souvik Kamila	
21	25MCA128-T	Yashwanth M	
22	25MCA044-T	Himanshu Satwani	
23	25MCA097-T	Ananya Kulkarni	Ananya
24	25MCA000-T	Sulochana K	
25	25MCA102-T	Ashwika Uk	
26	25MCA140-7	Inchara S K	
27	25MCA080-T	Khushi K.S	Khushi
28	25MCA056-T	Prerana Majalikar	Rajalika
29	25MCA054-T	Omkar Powar	
30	25MCA005-T	Mohit Guorani	Bow
31	25MCA063-T	Kunalraj	
32	25MCA001-T	Rajon Poddar	Rajon
33	25MCA172-T	Thanya M M	
34	25MCA034-T	Vishal Kumar M	Vishal Kumar M
35	25MCA008-T	Vageesh Yadav	Vageesh
36	25MCA069-T	Shranya Ulegadli	

DATED: 13.12.2025

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EVENT COORDINATOR


HOD-MCA

Head of the Department
Department of Master of Computer Applications
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