A Seminar Report on "Software Testing"

1. Date of the Seminar/Workshop: 01/10/2022

2. Title of the Seminar/Workshop: "Software Testing"

3. Name of the Speaker / Resource person with Affiliation with the institute / industry:

Dr. Seema Shah

Institute: - NMIMS, Mumbai

Designation: - Associate Professor, HOD, Computer engineering, Director - BTech Integrated Program

4. Venue of the Seminar/Workshop: Online(Google Meet)

5. Duration of the Seminar: 2 hours (10:15 am to 12:15 pm)

6. Conducted For: Students of Third Year Computer Engineering

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the seminar was basically to ensure that the students should have a clear understanding of software testing in industry. The Agenda of arranging this seminar was to give the students technical/practical insight of the software engineering process and software testing in Industry.

8. Contents of the Seminar/Workshop:

The 2-hour period was very interactive and helped in arousing the interest of the student as to why Testing is important. The Speaker started with:

- What is software testing
- Importance of testing
- Evolution of testing
- Types of Testing
- Root causes of Software defects
- Sample template for unit testing with explanation
- Test Schedule
- User Acceptance Testing (UAT)
- Regression testing
- Industry template
- Various templates of industry level testing
- Test execution report

9. Description of the Entire Event

The Computer Department at St. Francis Institute of Technology hosted a seminar on "Software Testing" on Saturday, October 01, 2022 from 10.15 pm to 12.15 pm, online via Google meet.

There were approximately 100 student participants and various faculty participants who attended the seminar. The opening remark was given by Ms. Rhea Pinto where introduced the Speaker, Dr. Seema Shah.

Further, the speaker took over the session and started off by diving right into the topic 'Software Testing'. She started by emphasizing the importance of Software testing. She mentioned the ill effects of not testing the software being made. She explained the evolution of testing. She mentioned the Seven Principles of Testing. She then went on to explain the different types of Testing used in the industry like white box, black box, etc.

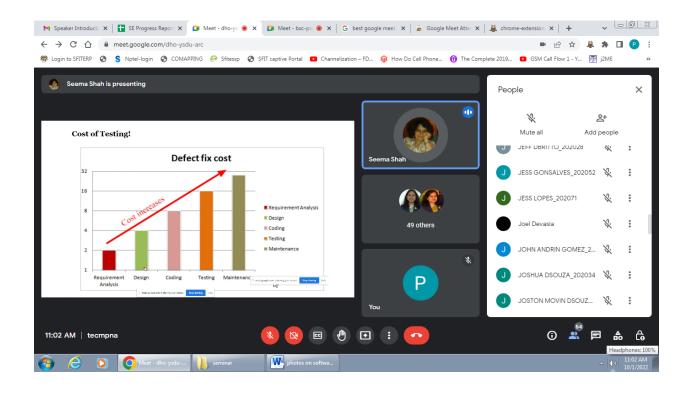
Then, the speaker conducted a quiz on Mentimeter in between the session. She explained the root causes of software defects. She presented various sample templates used in the industry for software testing.

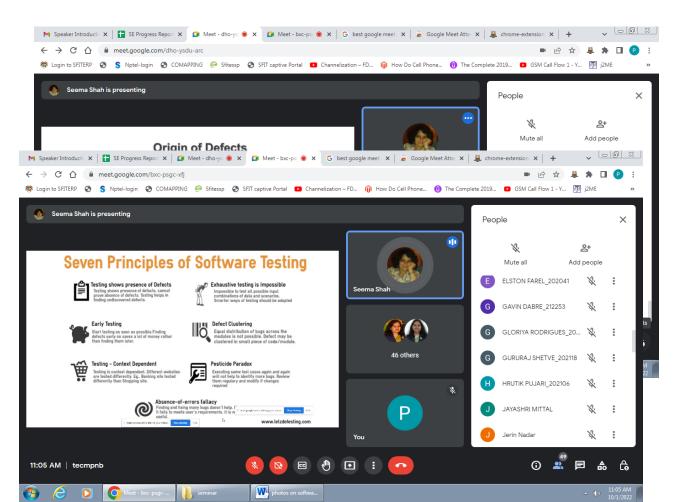
She then explained about test suites. She explained about Test Schedules being used for Software Testing. She described types of testing called User Acceptance Testing (UAT), Regression Testing. She then explained what a Test Execution Report is and how it is useful for testing. She also discussed how to have a career in Software testing.

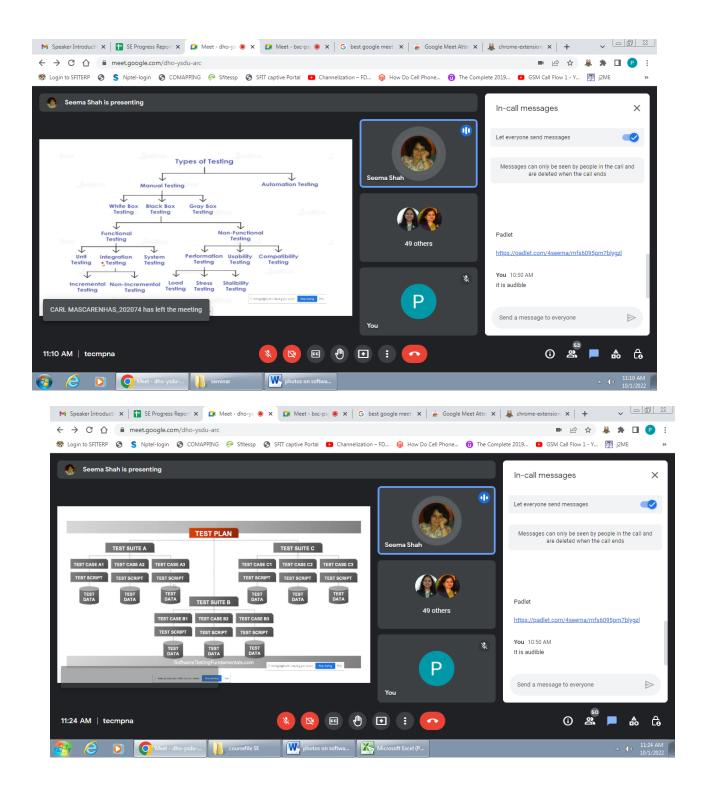
Lastly, she concluded by asking a few questions to the students through Padlet. The doubts and questions put by the students were also answered at regular intervals.

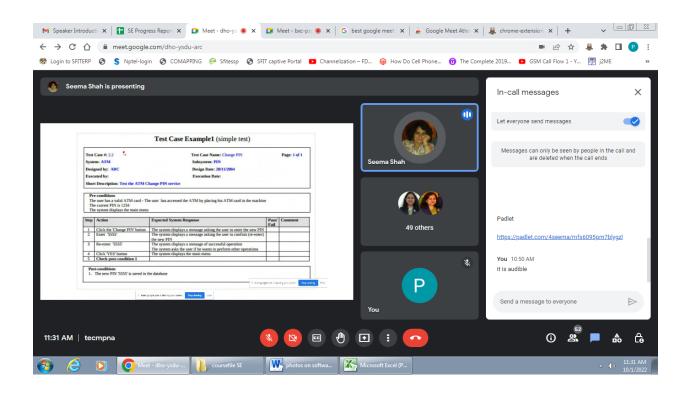
Ms Varsha Nagpurkar gave our speaker a vote of thanks and useful input on this information-packed webinar. Overall, the session provided a great knowledge regarding software development and testing techniques used in software industries.

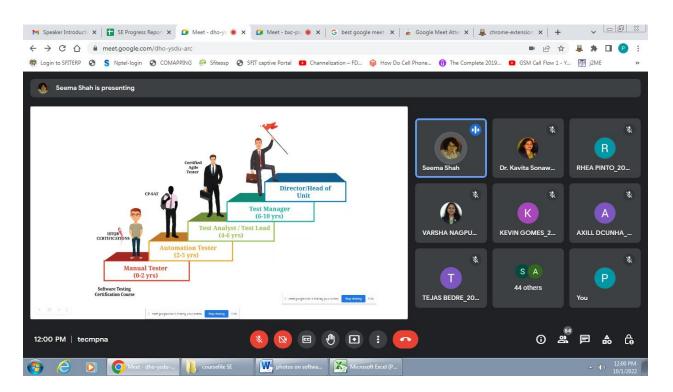
Photographs of the Seminar

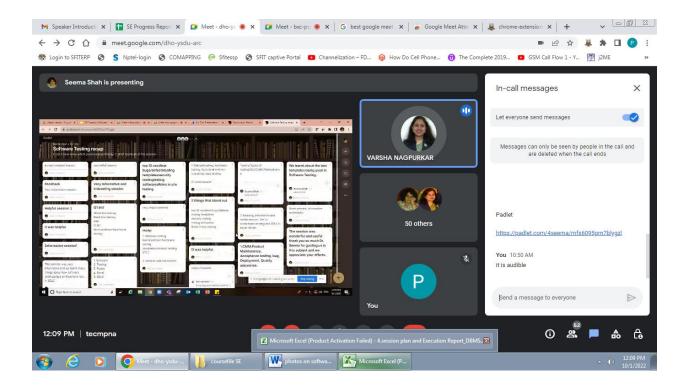












Dr. Kavita Sonawane and Ms. Varsha N

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Seminar Incharge

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