

Innovative Teaching Practice

Course Information:

Faculty Name	: Mrs.V.Sasikala, Ms .M.Maithili Sai Sri
Course Name	: Software Testing Methodologies
Class	: III B.Tech I Semester
Academic Year	: 2021-2022
Activity Name	: One Minute Paper
Topic	: Validation Activities: Unit Testing

Objective of the Activity:

The objective of the **One Minute Paper** activity is to help students quickly reflect on and articulate their understanding of **unit testing** as a validation activity in software testing methodologies . This exercise enables students to summarize core concepts such as unit test design, test cases, and the importance of unit testing in validating individual components of software systems.

Pre-Class Preparation:

Students are required to:

- Review the textbook or assigned materials on **unit testing**, focusing on:
 - The role of **unit testing** in the software development life cycle.
 - **Unit test design**: writing effective unit test cases, test functions, and test harnesses.
 - **Importance of validation** in ensuring the correctness of individual units or components in a system.
- Prepare questions about any unclear aspects of unit testing, such as the distinction between unit testing and other testing levels (e.g., integration testing).

In-Class One Minute Paper:

Instructions:

At the end of the lecture on **Unit Testing** in STM, students are given one minute to write a short paper addressing the following prompts:

1. Define unit testing in your own words.

2. Explain the role of unit testing in the validation of software components.
3. List one challenge associated with unit testing and propose a solution or improvement.

<p style="text-align: center;">One Minute Paper</p>	<p style="text-align: center;">Screenshot of the practice</p>
<p style="text-align: center;">On the topic Validation Activities: Unit Testing by 19NN1A1263</p>	
<p style="text-align: center;">On the topic Validation Activities: Unit Testing by 19NN1A12B5</p>	

Signature of Faculty

Head of the Department