



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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CS022**NBA Accredited**

(CSE, ECE, EEE, MECH, CIVIL)

SOFTWARE TESTING-ITS NEED AND IMPORTANCE

Event No	CS022
Organizing Department	Computer Science and Engineering
Associate Dept. NSC	Computer Science and Engineering
Date	13/10/2022
Time	09:00 AM to 10:00 AM
Event Type	Guest Lecture
Event Level	Dept. Level
Venue	CSE classroom
Meeting Medium	
Meeting Link	http://meet.google.com/fcj-hfqx-zfi
Total Participants	128
Faculty - Internal	2
Students - Internal	126

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	S Prem kumar	Senior consultant	Thoughtworks	kiruthika.jk@kpriet.ac.in	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Kiruthika J Kumarasamy	Coordinator
2	Vijayaganth V	Coordinator

Outcome

Software testing tools, Sample test case discussion

Event Summary

The software testing tools can be categorized, depending on the licensing (paid or commercial, open-source), technology usage, type of testing, and so on.

With the help of testing tools, we can improve our software performance, deliver a high-quality product, and reduce the duration of testing, which is spent on manual efforts.

The software testing tools can be divided into the following:

- Test management tool
- Bug tracking tool
- Automated testing tool
- Performance testing tool
- Cross-browser testing tool
- Integration testing tool
- Unit testing tool
- Mobile/android testing tool
- GUI testing tool
- Security testing tool

Test Automation Tools

- Tricentis Tosca. ...

- HP (Now Micro Focus) Unified Functional Testing (UFT) ...
- IBM Rational Functional Tester. ...
- Katalon Studio. ...
- Worksoft Certify

Test case gives detailed information about strategy, testing process, preconditions, and expected output. These are executed during the testing process to check whether the software application is performing the task for that it was developed or not.

Test case helps the tester in a defect reporting by linking defect with test case ID. Detailed test case documentation works as a proof guard for the testing team because if the developer missed something, then it can be caught during execution of these full-proof test cases.

Black box testing is a technique of software testing which examines the functionality of software without peering into its internal structure or coding. is a specification of requirements that are stated by the customer.

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