

Practical 6 : Test functionality of website.

ID	Test case	Steps	Expected	Actual	Result
01	Functionality of Activities Page.	1) Open website 2) Click Menu. 3) Click Activities	Activities should be displayed.	Activities are displayed.	Pass.
02	Get info about HOD.	1) Click Menu. 2) Click Department 3) Click on HOD.	Info about HOD must be displayed.	Info is displayed.	Pass.
03	Get Info of Academics.	1) Click Menu. 2) Click Student 3) Click Academics	Academics Info must be displayed.	Info is displayed.	Pass.
04	Get Info of News and Events.	1) Click Menu. 2) Click Student 3) Click on News and Events.	All the news and Events must be displayed.	Info is displayed.	Pass.
05	Get Info for admission process.	1) Click Menu. 2) Click Student 3) Click on Admission.	All the process of admission and link must be displayed.	All the Info is displayed.	Pass.

* Practical Related Questions.

1) Give significance of performance & stress testing.
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1) Performance Testing :

Performance testing is a functional testing technique used to determine how an application will behave under various conditions. The goal is to test its responsiveness and stability in real user situations.

2) Stress Testing :

Stress Testing takes this a step further and is used to gauge how your software will respond at or beyond its peak load. The goal of stress testing is to overload the application on purpose until it breaks by applying both realistic and unrealistic load scenarios.

2) What is necessity of Configuration Testing?
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Configuration Testing :

Configuration Testing is defined as a software testing type, that checks an application with multiple combination of software and hardware to find out the optimal configuration that the system can work without any flaw or bugs.

3) Describe various security testing to be performed for web application.

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Security Testing :

With the rise of cloud based testing platforms and cyber attacks there is a growing concerns and needs for the security of data being used and stored in software. Security testing is a non-functional software testing technique used to determine if the information and data in system is protected.

* Exercise.

1) Prepare test cases to test your college website for any 5 links.

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ID	Test Case	Steps	Expected	Actual	Result
01	Functionality of Activity Page.	1) Click Menu. 2) Click Activity.	Activity Page is loaded.	Activity Page is loaded	Pass.
02	Functionality of About HOD.	1) Click on Menu. 2) Click Department. 3) Click on HOD.	HOD info is loaded.	HOD info is loaded.	Pass
03	Functionality of Academics.	1) Click on Menu. 2) Click on Student 3) Click on Academics	Academics Page is loaded.	Academics Page is loaded	Pass.
04	Functionality of News and Events.	1) Click on Menu. 2) Click on Student 3) Click on News and Events.	News & Events Info is loaded.	News & Events Info is loaded	Pass.
05	Functionality of Admission Process.	1) Click on Menu. 2) Click on Student 3) Click on Admission.	Admission Info is loaded.	Admission Info is loaded.	Pass.

3) Execute above test case created in Question 1 by performing appropriate operations and verify results.

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All the test cases for the functionality of the website work correctly and hence their results can be considered as pass.