

Module-5 : Automation and selenium

1. What is Automation Testing?

- Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.
- Test automation is a process of writing a computer program to do testing that would otherwise need to be done manually.

2. . Which Are The Browsers Supported By Selenium IDE?

- Mozilla Firefox is supported by Selenium IDE.

3. . What are the benefits of Automation Testing?

- **Speed** – Automation Scripts run very fast when compared to human users
- Reliable** – Tests perform precisely the same operations each time they are run, there by eliminating human error.
- Repeatable** – We can test how the application reacts after repeated execution of the same operation
- Comprehensive** – We can build a suite of tests that covers every feature in our

application

Reusable – We can reuse tests on different versions of an application, even if user interface is changed.

4. • What are the advantages of Selenium?

- Open Source
- Supports all browsers like IE, Firefox, Mozilla, Safari
- Supports all Operating Systems.
- Supports all programming languages Java, Ruby ,C# and Python.
- Run multiple tests at a time.

5. • Why testers should opt for Selenium and not QTP?

- QTP only supports the VBScript programming language. Test scripts cannot be written in any other language. Selenium, however, supports many programming languages.
- QTP test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.
- QTP does not support different IDEs. It works only on QTP developed IDEs.