ST - Automation and Selenium

Module : 5

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.

➢ Once tests have been automated, they can be run quickly.

2. Which Are The Browsers Supported By Selenium Ide?

➢ Selenium is a free (open source) automated testing suite for web applications across different browsers and platforms.

➢ Limited to Web Browsers: Selenium IDE is limited to the web browsers it supports, primarily Fire fox and chrome. It does not support other browsers like Safari, Internet Explorer, or Edge directly.

3. What are the benefits of Automation Testing.

➢ Benefits of Automation Testing:
➢ 70% faster than the manual testing
➢ Wider test coverage of application features
➢ Reliable in results
➢ Ensure Consistency
➢ Saves Time and Cost
➢ Improves accuracy
➢ Human Intervention is not required while execution
➢ Increases Efficiency
➢ Better speed in executing tests
➢ Re-usable test scripts
➢ Test Frequently and thoroughly
➢ More cycle of execution can be achieved through automation.

4. What are the advantages of Selenium?

➢ Open source, free to use, and free of charge.
➢ Highly extensible.
➢ Can run tests across different browsers.
➢ Supports various operating systems.
➢ Supports mobile devices.
➢ Can execute tests in parallel.

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

➢ Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS indendent and allows test scripts to run across all browser.