**MODULE -5 ST – AUTOMATION AND SELENIUM**

**QUE-1 WHAT IS AUTOMATION TESTING?**

**Automation Testing** is a software testing technique that performs using special automated testing software tools to execute a test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps.

**QUE-2 WHICH ARE THE BROWSERS SUPPORTED BY SELENIUM IDE?**

Selenium IDE has add-ons for Firefox and Chrome browsers. Selenium IDE comes with a rich set of commands that are powered by Selenese and it allows you to record and test different interactions of a web application with the browser.

**QUE-3 WHAT ARE THE BENEFITS OF AUTOMATION TESTING?**

* Saves Time and Money: Testing applications is a continuous process.
* Increases Test Coverage.
* Improves Accuracy.
* Helps Achieve Continuous Testing.
* Enables Reusability.
* Offers Faster Feedback.
* Improves Team's Morale.
* Promises Information Security.

**QUE-4 WHAT ARE THE ADVANTAGES OF SELENIUM?**

**Selenium is an open-source tool that automates web browsers. It provides a single interface that lets you write test scripts in programming languages like Ruby, Java, NodeJS, PHP, Perl, Python, and C#, among others.**

* New browsers are readily supported.
* Execution speed is more than IDE.
* Supports user preferred languages.
* Open-Source
* Supports Operating Systems
* Support across browsers.

**QUE-5 WHY TESTERS SHOULD OPT FOR SELENIUM AND NOT QTP?**

**With Selenium grid, you have the ability to run as many tests as you want. Further, you can achieve this when you need and in parallel. You will just need a browser so that you can run the test. With QTP testing tool, there is no resource like selenium grid and hence selenium takes preference here.**

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