**SOFTWARE TESTING ASSIGNMENT**

**Module-6(Advanced Selenium)**

**1. What is Automation Testing?**

Automation testing is the use of software tools and scripts to perform repetitive and complex testing tasks in a software application, without human intervention. It involves writing test scripts, creating test cases, and using automation tools to execute tests, validate results, and identify defects or issues in the software system. Automation testing helps to improve efficiency, accuracy, and repeatability of testing processes, and enables faster and more reliable software releases.

**2. Which Are The Browsers Supported By Selenium Ide?**

* Mozilla Firefox
* Google Chrome
* Microsoft Edge (Chromium-based)
* Safari (Limited support)
* Opera (Limited support)

**3. What are the benefits of Automation Testing?**

* Increased efficiency and time savings.
* Improved test coverage and accuracy.
* Faster feedback on software quality.
* Cost-effective in the long run.
* Scalability for large and complex applications.
* Effective for regression testing.
* Reusability of test scripts.
* Better traceability and documentation of test results.
* Enhanced software quality and reliability.

**4. What are the advantages of Selenium?**

* Open source and free to use.
* Supports multiple programming languages.
* Cross-platform compatibility for testing on different operating systems.
* Large community and active support.
* Extensible with various frameworks and tools for enhanced testing capabilities.

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

Testers should choose Selenium over QTP (UFT) due to the advantages of open-source nature, support for multiple programming languages, cross-platform compatibility, flexibility, customization, and a large active community for support.