

Selenium Syllabus:

✓ Automation Concepts

- ✓ What is Automation
- ✓ Automation Process and Steps to Create an Automation Project
- ✓ Fundamental method of Automation
- ✓ Automation Tools in Market
- ✓ What is Selenium
- ✓ History Of Selenium
- ✓ Architecture of selenium
- ✓ Working of Selenium
- ✓ Comparison between different Selenium Components
- ✓ Advantages of Selenium Over QTP
- ✓ Disadvantage of Selenium over QTP

✓ Locators

- ✓ Different Types of Locators for a Web Page(Css,id,name ,Xpath...)
- ✓ installation and Configuration of Firebug and Firepath

✓ Selenium IDE

- ✓ Introduction to Selenium IDE
- ✓ Installation and Configuration of Selenium IDE
- ✓ Record and Play an Sample Script
- ✓ Addition of Verification and assertions on Selenium IDE
- ✓ User Extensions in Selenium ID
- ✓ Parameterization in Selenium IDE

✓ **Selenium RC**

- ✓ Introduction of Selenium RC
- ✓ Architecture of Selenium RC
- ✓ Configuration of Selenium RC
- ✓ Writing a Sample Script using Selenium RC

✓ **Selenium Web Driver**

- ✓ Introduction of Selenium WD
- ✓ Architecture of Selenium WD
- ✓ Configuration of Selenium WD
- ✓ Writing a Sample Script using Selenium WD
- ✓ Some Commands of Selenium WD
- ✓ Handling Dynamic Controls
- ✓ Use of Selenium WD Using IE, Firefox and Chrome
- ✓ Parameterization using XML and Excel
- ✓ Creation Of Actions
- ✓ Automation of 2 TC in Selenium WD
- ✓ Multiple Window Handling
- ✓ Similar Controls Handling

✓ **Testing Frameworks in Java**

- ✓ TestNG and Hybrid Framework
- ✓ Annotation Functions
- ✓ Ignore/Skip of Test cases
- ✓ Batch Running of TC
- ✓ Reporting and Logging
- ✓ Parameterization
- ✓ Assertion and Error Collection
- ✓ 1 TC Creation Using any Framework

✓ Selenium Grid

- ✓ Introduction of Selenium Grid
- ✓ Architecture of Selenium Grid
- ✓ Configuration of Selenium Grid(Hub And Node)
- ✓ Writing a Sample Script using Selenium RC

✓ Maven

- ✓ Introduction to Maven
- ✓ How to Install and Configure Maven
- ✓ Create a Sample Selenium Test Using Maven
- ✓ Execution Using Maven
- ✓ Porting of Script using Maven

✓ Jenkins

- ✓ Introduction to Jenkins
- ✓ Use of Jenkins
- ✓ Creation of Simple Job Using Jenkins
- ✓ Execution Using Jenkins

✓ Appium and Mobile Automation

- ✓ Introduction to Mobile Automation
- ✓ Introduction to Appium
- ✓ Configuration of Device to System
- ✓ Configuration of Appium
- ✓ Configuration of Appium and Eclipse
- ✓ Locating UI Elements of Mobile App
- ✓ Creation of Appium Scripts
- ✓ Execution of Appium on Actual Device