



## SELENIUM TRAINING

### Selenium Training Syllabus

#### Introduction:

- Introduction of selenium
- Selenium components
- How differs from other automation tools
- Advantages of selenium
- Overview of Testing framework
- Overview of Eclipse

#### Selenium Architecture

- Selenium RC Architecture
- WebDriver Architecture
- WebDriver Vs Selenium RC
- Brief explanation about advantages of webdriver

#### Locator Techniques

- Introduction about locator concept
- Brief explanation of different locator techniques
- XPath techniques explanation with different kind of real time scenarios

#### Selenium IDE

- Download and Installation
- Record and playback techniques
- Modifying the script using IDE
- Convert the IDE script into RC script
- Validate the locator value using IDE

#### Selenium setup

- Explanation of step by step instructions for setup
- Integration of eclipse and TestNG



## Selenium RC

- Start the selenium Selenium server
- Basics of Annotations in Testng
- Write the basic script of Selenium RC
- How to execute the scripts ( different ways) and look the results
- Brief explanation of commands in selenium RC

## WebDriver

- Webdriver setup
- Detailed discussion about webdriver commands
- Handling different browsers
- Create our own methods in webdriver
- More programming techniques in webdriver
- Using RC commands from webdriver project
- Migration of selenium1 code to selenium2
- Project structure organization

## TestNG

- Brief about Testing framework and Testng
- Annotation concept and different types
- Testng Configuration
- Suite execution from command prompt without eclipse
- Parallel script execution
- Grouping the testcases
- Parameter configurations
- Suite creation methodology
- Report generation
- Assertions
- Verifications
- Listeners in Testng
- Create customized report using Testng & Java



### **AutoIT**

- Need of AutoIT tool
- Basics of AutoIT tool and create simple script
- Converting AU3 file to exe file
- Calling AutoIT script from selenium project

### **Selenium Grid**

- Introduction of selenium Grid
- Installation and setup of Hub and node
- Script changes for Selenium grid execution
- Simple script execution using grid
- Parallel execution using grid