



COURSE CONTENT

Introduction:

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

Selenium Architecture:

- **Selenium RC Architecture**
- **Webdriver Architecture**
- **Webdriver Vs Selenium RC**

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 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
- Handling different browsers
- Create our own methods in webdriver
- Using RC commands from webdriver project
- selenium1 code to selenium2

Testing:

- Brief about Testing framework and Testng
- Testing Configuration and Listeners in Testing
- Parallel script execution
- Parameter configurations
- Report generation, Assertions, Verifications
- Create customized report using Testng & Java

AutoIT:

- 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