

COURSE CONTENT – SELENIUM 2.0

Module -1

Introduction of Selenium

What is automation testing?

- Use of Automation Testing?
- Explanation of Selenium and its advantages
- Differences between Selenium and QTP

Module -2

Components of Selenium

- Selenium IDE
- Selenium RC
- Selenium Grid
- Selenium WebDriver/version 2.0

Module – 3

Locators of Selenium

- Tools to identify elements and objects
- Firebug
- IE developers tools
- Google chrome developer tools
- Locating elements by ID, Name, Link Text, XPath

Module – 4

Introduction of Selenium IDE

- Main features of Selenium IDE
- Selenium IDE Icons
- Installing Selenium IDE
- First test with Selenium IDE

Module – 5

Selenium IDE concepts

- Building Test cases using Selenium IDE
- Creating test suites
- Adding Selenium IDE commands
- Selenium IDE Menus
- Selenium IDE commands (asserting, verifying , wait, and storing the elements)
- IDE context menu

Selenium IDE Commands

- goBack

- refresh
- keys simulation
- mouseOver
- Highlight

Module – 6

Selenium Webdriver

- Introduction to selenium webdriver
- Setting up Eclipse
- Downloading and configuring Webdriver in Eclipse
- Converting Selenium IDE test to programming language (JAVA)

Module – 7

Selenium – JAVA language

- Introduction
- Data Types
- JAVA variables
- Java Modifier
- Comments in JAVA
- JAVA Basis
- Execution of JAVA

Module – 8

SeleniumDriver – IDE – JAVA – Junit

- Junit Annotations
- Testing Annotations
- Testing Eclipse plugin
- Thread.Sleep
- Exceptions
- Webdriver Interface
- JAVA Overview

Module – 9

Special cases involved in Selenium Webdriver

Characteristics of Automation

Overview of Integration and Building tools

Module – 10

Concepts of Framework

- Introduction to framework
- About framework
- Use of framework
- Different types of frameworks
- Different types of packages in framework