

Selenium

Duration- 30 Hours

Core Java

- Introduction
- Java programming Keywords
- Literals
- Data types
- Local and global variables
- Classes & objects
- Access specifiers
- Creating & Importing packages

Control Flows

- If else statement
- Switch statement
- For loop
- For Each loop
- Do while loop
- Exception handling

Object Oriented Programming concepts

- Encapsulation
- Abstraction
- Inheritance
- Types of Inheritance
- Polymorphism
- Method overloading
- Method overriding
- Constructors & ways to initialize class

Selenium:

- Introduction
- Why Selenium
- Selenium Vs other tools (HP etc)
- Selenium Components Selenium RC Vs Webdriver
 - Selenium Core
 - Selenium IDE
 - Remote Control (Selenium1)

- Webdriver (Selenium2)
- Grid
- Locators & types

Eclipse

- Configuring Eclipse
- Write & compile Java programs
- Debug java code
- Run Java code
- Write and Execute sample java programs

Selenium IDE:

- Introduction
- IDE features
- Installing & configuring IDE
- Inspecting elements in IDE
- Recording and playback the scripts
- Building testcases
- Running testcases
- Debugging

Test NG:

- Introduction
- Configuring TestNG
- Annotations
- Composing tests
- Generating reports
- Trouble shooting

Selenium Webdriver:

- Introduction
- Configuring Webdriver with Eclipse
- Create project
- Create and run tests
- Executing tests on multiple browsersDebugging tests
 - IE
 - Firefox
 - Chrome

- Using locators (Id,Class,Name,xpath,css etc)
- Choosing locating Strategies
- Handling Security popups / Alerts / Dialog boxes
- Working with various Web Elements
 - Input boxes
 - List
 - Links
 - Radio buttons
 - Check boxes
- Error handling
- UI Mapping
- Data Handling Selenium Grid overview
 - Parameterization
 - Reading and writing to excel

Frameworks:

- What is Framework
- Types of Framework
- Modular/ function driven framework
- Data driven framework
- Keyword driven framework
- Hybrid framework