

# COURSE CURRICULUM

## MODULE 1 - JAVA CONCEPTS

- Introduction to Java.
- Data Types.
- Java Variables.
- Declarations and Assignments.
- Basic Syntax.
- OOP Concept.
- Package in Java.
- Classes in Java.
- Methods.
- Objects.
- String operators.
- Conditional Statements.
- Looping Concepts.

## MODULE 3

- Introduction to selenium.
- Selenium Components.
- Selenium IDE.
- Selenium RC.
- Selenium WebDriver.
- Selenium Grid.
- Installation of Selenium IDE.
- Different Components of Selenium IDE.
- Record and PlayBack in Selenium IDE
- Exporting Selenium Scripts to different format.
- Configuring Firebug.
- Inspecting Element using Firebug.

## MODULE 6 - TEST AUTOMATION FRAMEWORK

- What is a Framework.
- Types of Framework.
- Reusable Module concepts.
- Reporting Mechanism within the Framework.
- Error handling mechanism within the Framework.

## MODULE 2 - ECLIPSE IDE

- Installing JDK.
- Configuring Eclipse.
- Creating a Java Project.
- Creating a package.
- Creating a Class.
- Creating Methods within Class.
- Executing a simple Java program.

## MODULE 4

- Selenium WebDriver in detail.
- Creating a selenium Project.
- Selenium WebDriver Commands.
- Creating WebElements by capturing properties.
- Working with WebElements.
- Navigation Commands.
- Wait Commands.
- Assert/Verify
- Executing Selenium test in firefox.
- Executing Selenium Test in Chrome and IE.
- Introduction to TestNG

## MODULE 5 - DATA PARAMETERIZATION

- Different ways of TestData Parameterization.
- Connecting to excel.
- POI