**SELENIUM**

Selenium Remote Control, also known as Selenium1, which is the first Selenium tool that allowed users to use programming languages in creating complex tests. WebDriver, the newer breakthrough that allows your test scripts to communicate directly to the browser, thereby controlling it from the OS level.

**Why Selenium is more popular than other tools?**

Selenium is an open-source tool used to test web applications. It was originally developed by Jason Huggins in 2004. In 2004, when no one was talking about [Agile](http://www.indiumsoft.com/Blog/agile-testing-life-cycle/) and [DevOps](http://www.indiumsoft.com/Blog/mad-rush-for-devops-testing/), Selenium was developed keeping in mind agile infrastructure and DevOps workflow. The response for Selenium in the early stages was not good. Since then, it has come a long way and has become one of the most used test automation tools.Selenium is probably the most popular test automation tool in the market at present.

**Advantages of Studying Selenium with us.**

* Lab facilities
* Selenium Hands on Experience
* Real Time disclosure on latest Selenium modules
* Live Project Support on Selenium
* ISO certified certification

**Trainers Profile**

* 10+ Years of Experience on Selenium Projects
* Has worked on Real Time Scenarios
* Trained over 200+ Students so far
* Strong Knowledge on both Theory and Practical’s

**Training Objectives**

Training facilities for Selenium by Systems Domain is An Ideal certification for Fresh graduates and Software Professionals who are actively looking for upgrading skills in Selenium. From Selenium training consulting till the Course completion we offer complete support to students. Regular reviews are conducted to ensure that Selenium Training is being conducted in a structured manner and to make sure that Students are able to understand all the concepts.

**Pre-requisite for Learning Selenium Course**

Basic core java/Programming Knowledge is required to learn Selenium Automation. Because we need to edit some code and run the test cases, if you have knowledge in programming than only you can understand and use it.

**Who should go for Selenium Automation?**

**Selenium Course Contents**

Selenium course contents is structured to cover all the modules within Selenium from basic to advance level.

**CORE JAVA FORTEST ENGINEERS**

1. What is Java?
2. Why Program in Java
3. The way Java works
4. Variables and data types
5. Conditional statements and Looping
6. Classes and Objects
7. Constructors and its implementation
8. Overloading and overriding
9. Access specifier and Access Protection
10. Inheritance and Encapsulation
11. Polymorphism and Abstraction
12. Interfaces and Inner classes
13. Packages and their uses
14. Exception handling

**Eclipse IDE**

1. About Eclipse IDE
2. GUI explanation of Eclipse
3. How to configure
4. Working with eclipse

This portion gives the learner ability to code in java where s/he can script using java along with a testing tool.

**SELENIUM AUTOMATION TESTING TOOL**

**Level 1- Introduction**

1. Overview of the tool
2. Installation of java
3. Installation of eclipse and selenium configuration
4. Inspect Element Fire Bug and chrome path
5. Locating elements in selenium

**Level 2- TestNG framework**

1. Introduction to TestNg
2. Configuring TestNg
3. TestNg Annotations
4. Parameterization
5. TestNG suite

**Level 3- Working with selenium**

1. Working with Alerts
2. Dropdown box
3. Auto suggest box
4. Mouse hovering
5. Explicit and implicit waits
6. Working with Iframes
7. Working with web links
8. Clicking on elements
9. Working with excel sheets
10. Data Driven Framework
11. Page Object Model
12. Creating simple Test Scripts to test and application
13. Introduction to Test cases
14. Explanation how to convert manual test case to test codes
15. Exercise to convert sample test case to test codes

This will enable the students to test web based application using selenium automation testing tool and java language.