**Selenium Automation**

**Training Guidelines**

**1. Introduction**

-What is Selenium? Introduction to selenium automation testing

- What is selenium WebDriver?

- Why automation?

**2. Setup**

* Java setup (JDK, JRE and Environment Variables)
* IDE install (Intellij and eclipse)
* Libraries(Selenium Stand alone, TestNG)
* WebDriver(Selenium WebDriver)

**3. Find Element in Selenium WebDriver**

- FindBy CSS, xpath, id etc.

**4. Project Architecture/ Coding Standards**

- Package/folder structure (elements, data and test)

**5. Writing first automation program using Selenium/Java**

- Creating Setup class

- Selenium Form WebElement: TextBox, Submit Button, sendkeys(), click()

- How to Select Value from DropDown using Selenium Webdriver

- Mouse Click & Keyboard Event: Action Class in Selenium Webdriver

- How to upload file using Selenium WebDriver

- Assertions and Toggle Click.

- TestNG: Annotations (BeforeSuite, BeforeMethod, AfterMethod, BeforeClass, AfterClass etc.)

**6. Advance WebDriver Stuff!**

- Excel Data Provider (working with multiple data files)

- Creating and executing .xml file (running test suite)

- Executing .xml file from command line