

Java Selenium Automation Testing



Instructor: Industry Mentors

Course Duration: Weekday(4 months)

COURSE DESCRIPTION

Automation testing which is done in the software industry evaluates the product quality and assurance, for this course selenium and other relevant tools are used. This course is framed based on industry expectations which cover all important parts of automation testing.

Module-1	Introduction to Java Variables, Datatypes, Keywords Operators, Control statements Arrays, Strings Access modifiers Exception and Error handling
Module-2	OOPS Concepts Collections Java built-in packages
Module-3	HTML Element Basics Selenium Locators
Module-4	Software testing fundamentals STLC, Agile methodology

Module-5	Test Case writing Test scenario drafting Project management tool Hands-on with Jirra & Scrum Bug drafting and reporting Different test suites and their needs
Module-6	What is Automation Testing? When to go for Automation? Different Automation Tools Advantages of Automation Criteria for Automation Test Cases Difference between Manual Testing and Automation Testing
Module-7	What is Selenium Tool? Use of Selenium Tool in Automation Features of Selenium Tool Selenium Components and Architecture Selenium IDE
Module-8	How to create a new Java Project? Introduction to base WD methods - get, FindElement, close Introduction to base WE methods - sendKeys, clear, click Introduction to base Wait Types and Window Maximize Practice a Test Case to write First Script
Module-9	Selenium Methods and Actions
Module-10	How to Parameterise the data to the script using Excel? Reading and Writing data into Excel How to Parameterise the data to the script using Flat files?
Module-11	POM Design Rules Implementation of Test Cases using POM Framework
Module-12	Cucumber Tools - A Brief Introduction
Module-13	Test Execution Reports Test failure reports Test report notification
Module-14	Git & Github
Module-15	Maven
Module-16	Jenkins Selenium Integration - Test Cases with Jenkins

Tools

- TestNG
- Maven
- Git
- GitHub
- Java
- HTML
- Selenium
- JMeter
- Jenkins
- Selenium IDE
- Jirra
- Excel
- Cucumber
- Selenium
- Agile
- STLC
- SDLC