

Selenium Training

About US

Vision IT Technologies is an end-to-end Training and recruitment Company, Providing Its Services successfully for last 10 Years and best part is we are able to manage almost 100% Placement record since we started. Vision IT Technologies is an organization which has been established to overcome this crying need of skilful resources. Started by a group of young industry professionals with experience in the best companies of the country, Vision IT Technologies is the one-stop solution for all your knowledge and resource requirements. We train the raw talent available in the market over relevant technologies to make them fit to directly enter the corporate workforce.

About Course

What Is Automation Testing?

Automation Testing means using an automation tool to execute your test case suite. On the contrary, Manual Testing is performed by a human sitting in front of a computer carefully executing the test steps. Selenium Training Course is curated by Industry Experts

Automated software testing is important due to the following reasons:

- Manual Testing of all workflows, all fields, all negative scenarios is time and money consuming
- It is difficult to test for multilingual sites manually
- Automation does not require Human intervention. You can run automated test unattended (overnight)
- Automation increases the speed of test execution
- Automation helps increase Test Coverage
- Manual Testing can become boring and hence error-prone.

Why Automation Testing:

- Automation Testing ensures defect free product/app because it can test app features which humans can't efficiently and exhaustively test.
- Companies spend huge amounts of money to ensure that their product is defect free before launch.
- This expenditure by companies directly or indirectly leads to a lot of **Job creation**.
- Market of Automation testing never goes down and it will never go down because as long as there are new apps being built or amendments will happen in existing apps; need for an automation tester will always remain.
- Industry needs to have **skilled** automation testers is growing at a very rapid speed.
- So it is a good career option to pursue and we here at Vision IT are the best in the industry to give you full fledge exposure and skill set necessary for you to **crack the interview** as well as **survive in the new job role**.

Curriculum

Java

- Eclipse IDE/IntelliJ IDE
- Run and Debug programs
- Data types, Classes, Objects
- OOPs Concepts-Inheritance, Polymorphism, Encapsulation, Abstraction
- Loops, Decisions, Functions, Methods, Constructors
- Java Collections, HashMap, ArrayList etc
- Exception Handling
- Excel File handling, File System handling, DB connections
- Interfaces, Abstract Classes, Java 8 features, Stream Library
- Java Design Patterns, Factory, Builder, Decorator, Iterator
- Design Principles, like SOLID, KISS etc
- Maven Project management, Plugins, Phases, Goals, Test Executions
- Maven Surefire and Fail Safe plugin, Multiple Execution, Parallel Execution, Maven profiles

UI Automation Selenium

- Selenium Basics-HTML basics-Element Finding and perform Operations
- Alert Handling, Mouse & keyboard activities, Frame handling, Drop Down selections
- Locator strategy-Xpaths, Xpath axes, Complex locators, Dynamic Xpaths
- Multiple Browser Invocation techniques
- Page Object Model/Page Factory
- Java Script Executor, Screenshot Capturing

API Automation

- API Automation Basics-Get, Put, Pull, Delete, Patch, Headers
- Rest Assured based test script creation, Json, XML validation, Schema Validations

Framework

- Introduction of Frameworks: Junit, TestNG and Cucumber
- Cucumber Basics-Features, Gherkin, Background, Annotations, Step definitions
- Cucumber hooks, Before and After, Scenario Interface
- Log 4j and Extent report
- Page Object Model Varied Implementation
- API Automation Framework creation from Scratch

- Selenium Automation Framework creation from Scratch Using Lightning Components in Lightning Experience
- ISVs, Packaging, and AppExchange

Source Code Management

- Git Basics and Commands: add, push, commit, fetch, merge, Conflict Resolution
- Git Hub Operations, Pull Request reviews, Team Collaboration

Testing Methodology and project Management Tools

- Agile Process, Agile Pyramid, Agile Basics
- Agile-Scrum, Kanban Basics
- Project Management Tool: Jira
- Test and Defect Management Tool: QA Touch

Continuous Integration Tools

- Continuous Integration, Continuous Deployment and Delivery
- Jenkins Basics
- Jenkins Installation and Configurations
- Jenkins Environment Set Up
- Execute Tests Using Jenkins
- Scheduled Builds or Polling Github

Projects

- Project 1: UI Automation- Ecommerce Domain Project using Cucumber and Selenium with at least 50 + test cases
- Project 2: API Automation Project-Ecommerce Domain using Cucumber and Rest Assured- with at least 50 + test cases

Resume Building and Interview Preparation

- Resume Building
- 15 Mocks Interview From Industry People