

# SELENIUM TRAINING CERTIFICATION COURSE



## About IntelliPaat

Intellipaate is a global online professional training provider. We are offering some of the most updated, industry-designed certification training programs in the domains of Big Data, Data Science & AI, Business Intelligence, Cloud, Blockchain, Database, Programming, Testing, SAP and 150 more technologies.

We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and keep them in sync with the changing technology and digital landscape.

## About The Course

Intellipaate Selenium training institute helps you learn Selenium, one of the top automation testing tool. As part of the training, you will learn Selenium components like Selenium IDE, RC, WebDriver and Grid through hands-on projects and case studies.

 <p><b>Instructor Led Training</b></p> <p>45 Hrs of highly interactive instructor led training</p>	 <p><b>Self-Paced Training</b></p> <p>45 Hrs of Self-Paced sessions with Lifetime access</p>	 <p><b>Exercise and project work</b></p> <p>72 Hrs of real-time projects after every module</p>	 <p><b>Lifetime Access</b></p> <p>Lifetime access and free upgrade to latest version</p>
 <p><b>24x7 Support</b></p> <p>Lifetime 24*7 technical support and query resolution</p>	 <p><b>Get Certified</b></p> <p>Get global industry recognized certifications</p>	 <p><b>Job Assistance</b></p> <p>Job assistance through 80+ corporate tie-ups</p>	 <p><b>Flexi Scheduling</b></p> <p>Attend multiple batches for lifetime &amp; stay updated.</p>

## Why take this Course?

- **Global software testing market to reach \$50 billion by 2020 – NASSCOM**
- **Selenium supports more browsers and languages than any other testing tool**
- **A Selenium Tester in the United States can earn \$87,000 – indeed.com**

Today due to the ubiquity of software, testing it is of prime importance. Selenium is the top tool used for automated testing. Intellipaate is offering a comprehensive training in software

automated testing using Selenium that has been created by industry experts. Thus, taking this training program will help you rise in your career rapidly.

## Selenium Course Content

1. Getting started with Selenium
2. Selenium Features
3. Deep Dive into Selenium IDE
4. Selenium Web driver Automation
5. Fire Path Installation
6. Searching Elements
7. Advance User Interactions and Cross Browser Testing
8. Introduction to TestNG Plugin
9. TestNG Terminologies
10. TestNg Data Providers
11. Maven Integration
12. Maven Integration Tool
13. Web Driver Sample Programs
14. JUNIT Operations and Test Framework
15. Object Repository
16. Test Data Management
17. Selenium Grid Concept
18. Mobile App Testing using Appium

## Getting started with Selenium

- ❖ Introduction to Selenium testing, understanding significance of automation testing
- ❖ Benefits of Selenium automation testing, comparison of Selenium and Quick Test Professional

## Selenium Features

- ❖ Understanding the Selenium Integrated Development Environment
- ❖ The concept of Selenium Remote Control, working with Selenium Grid, Selenium Web Grid

## Deep Dive into Selenium IDE

- ❖ Detailed understanding of the Selenium IDE features
- ❖ Addition of script assertions, General Selenese commands
- ❖ Deploying the first Selenium Script and Options, IDE Test Suite
- ❖ Sample project IDE, recording Selenium test case, Selenium limitations.

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- ❖ Deploying the first Selenium Script and Options, IDE Test Suite, sample project IDE, recording Selenium test case, Selenium limitations.

## Selenium Web driver Automation

- ❖ The basic Architecture of Selenium Web Driver, download and installation
- ❖ Creating a Java function and executing

## Fire Path Installation

- ❖ Deploying Web Drivers for scripting
- ❖ Getting the HTML source of Web Element, Table and Form Elements, Firebug extension and Fire Path installation.

## Searching Elements

- ❖ Locator, Locator-ID, Deploying searching elements using the link text, name, using Xpath
- ❖ Searching elements using CSS and Web Element Properties

## Advance User Interactions and Cross Browser Testing

- ❖ Working with Advanced User Interactions, understanding the various features like Drag and Drop, Double Click, Keys and Context
- ❖ Deploying Cross Browser Testing using Web Driver, Executing tests in Chrome and Firefox.

## Introduction to TestNG Plugin

- ❖ Installation of TestNG Plugin in Eclipse, TestNG sample script
- ❖ Understanding Selenium test script writing, TestNG test suites creation, html and xml report generation using TestNG

## TestNG Terminologies

- ❖ Annotations, Parameters, Groups- Include and Exclude, Test Result, Data Providers

## TestNg Data Providers

- ❖ TestNg Data Providers, Screenshot on failed Test cases
- ❖ Wait statements of Web Driver, Wait in Selenium, Explicit wait, Implicit wait, Fluent wait, PageLoad Timeout

## Maven Integration

- ❖ Introduction to Maven, Maven Usage, Configuring Maven with Eclipse
- ❖ Taking automatic updates, running tests in Maven, Creating POM.xml file

## Maven Integration Tool

- ❖ Maven Integration Tool

## Web Driver Sample Programs

- ❖ Learn to work with text box, button, link, checkbox, drop down and radio button, Selecting and Displaying Values
- ❖ Writing all values in Notepad/Excel/WordPad, Capturing screenshot (positive)
- ❖ On Load Alerts, Scroll down Page in JavaScript's, HTML Unit driver, Managing Multiple Windows and AJAX Auto suggestions, Managing Web Tables

## JUNIT Operations and Test Framework

- ❖ Annotations in JUNIT, Methods in JUNIT, JUNIT Test Suites, ANT Build and JUNIT reporting
- ❖ Test Framework, Data driven framework, Keyword driven framework, Hybrid framework, Execution of Test case from Test Framework

## Object Repository

- ❖ Understanding of Object Repository, using OR in Scripts
- ❖ Learning sample scripts using object repository, Page Object Modeling, Page Factory

## Test Data Management

- ❖ Test Data Management

## Selenium Grid Concept

- ❖ Selenium Grid Overview, Executing single script in different browsers and different scripts in different browsers

## Mobile App Testing using Appium

- ❖ UI Automator Framework in Appium
- ❖ Locating elements in android app using UI Automator view
- ❖ Automation testing for Android apps

# Project Works

## Selenium Projects

### **Project 1 : Automating the various tasks in aciTime**

**Industry : General**

**Problem Statement :** How to use various automation tools for effective project management

**Topics :** In this project you will work on the various aspects of automating scenarios using POM, TestNG, Maven Integration with Extent Reports. You will deploy automation of various tasks like creating and deleting customers, creating and competing of projects, creating, deleting and completing of tasks.

#### **Highlights**

- ✓ Structure, group & launch test with TestNG
- ✓ Project flow management with Maven
- ✓ Creating Object Repository with POM

### **Project 2: Testing an ecommerce site with Selenium**

**Industry : Ecommerce**

**Problem Statement :** How to successfully run an ecommerce site for various product search queries.

**Topics :** In this Selenium project you will develop Page Object Model Framework and use it for buying a product on Flipkart. You will test the site for a search query like iPhone with the specific phone memory size requirement. The product will be added to the cart, ensuring shipping is done to the entered address and proceeding to the checkout page.

#### **Highlights**

- ✓ Eclipse with Maven & TestNG plugin
- ✓ Deploying POM for handling dependency
- ✓ Fetching and storing result data in a file



### **Project 3 : JUnit Test Case**

#### **Industry : General**

**Objective :** This is a hands-on project that includes working with the JUnit test case and deploying it for working on a specific site using a search engine. You will extensively compare the testing methods of TestNG and JUnit by working with both to understand the differences. This project includes integrating JUnit test case with the Apache Ant Tool which is an automation tool for building software. Work with Rational Quality Manager in JUnit, write Java codes for Selenium Web Driver testing application

# Job Assistance Program

Intellipaat is offering job assistance to all the learners who have completed the training. You should get a minimum of 60% marks in the qualifying exam to avail job assistance. Intellipaat has exclusive tie-ups with over 80 MNCs for placements.



Successfully finish the training

Get your resume updated

Start receiving interview calls

## Intellipaat Alumni Working in Top Companies



Dinesh Kumar 

**Solutions Consultant -Virtualization & Cloud at Microland Limited**

The Intellipaat Azure AZ-100 training is in line with the new Microsoft Azure certification and the entire training is completely practical-oriented



Sarala Pandae 

**Cloud Architect at Amazon**

I liked the way the trainer explained Azure concepts and simplified it to help us learn and grasp all the aspects of Azure administration. Thank you Intellipaat.



Sheelam Khan 

**Senior Software Developer at Shopzilla**

I could easily learn Azure thanks to insightful videos from Intellipaat. Any doubts that I had was promptly clarified by the support team. Keep it up Intellipaat.

[More Customer Reviews](#)

## Our Clients



**+80 Corporates**

## Frequently Asked Questions

### **Q 1. What is the criterion for availing the IntelliPaat job assistance program?**

Ans. All IntelliPaat learners who have successfully completed the training post April 2017 are directly eligible for the IntelliPaat job assistance program.

### **Q 2. Which are the companies that I can get placed in?**

Ans. We have exclusive tie-ups with MNCs like Ericsson, Cisco, Cognizant, Sony, Mu Sigma, Saint-Gobain, Standard Chartered, TCS, Genpact, Hexaware, and more. So you have the opportunity to get placed in these top global companies.

### **Q 3. Do I need to have prior industry experience for getting an interview call?**

Ans. There is no need to have any prior industry experience for getting an interview call. In fact, the successful completion of the IntelliPaat certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

### **Q 4. If I don't get a job in the first attempt, can I get another chance?**

Ans. Definitely, yes. Your resume will be in our database and we will circulate it to our MNC partners until you get a job. So there is no upper limit to the number of job interviews you can attend.

### **Q 5. Does IntelliPaat guarantee a job through its job assistance program?**

Ans. IntelliPaat does not guarantee any job through the job assistance program. However, we will definitely offer you full assistance by circulating your resume among our affiliate partners.