









About IntelliPaat



IntelliPaat is a fast-growing professional training provider that is offering training in over 150 most sought-after tools and technologies. We have a learner base of 600,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

Key Features of IntelliPaat Training:

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

About the Course

IntelliPaat Selenium Training Institute helps you learn Selenium testing. Selenium is a portable software testing framework that is used for Automated Testing. In this Selenium course, you will learn about the Selenium IDE, its installation, and work with various components and tools for software testing in this Selenium certification training.

 Instructor Led Duration – 45 Hrs Weekend Batch –3 Hrs/Session	 Self Paced Duration – 45 Hrs
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Why take this Course?

Selenium is a powerful yet open source testing platform that is being used extensively by some of the largest corporations in the world. It has some distinct advantages like an efficient way to generate test scripts, reusing the scripts, validating functionality and automating the test process and remote testing of the software codes. This Selenium Certification Training Course helps you to take up jobs as a Selenium Testing professionals for very good pay packages taking your career to the next level.

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



Course Content

Module /Topic	Hands-on exercises
Getting started with Selenium <ul style="list-style-type: none">❖ Introduction to Selenium testing❖ The understanding significance of automation testing❖ Benefits of Selenium automation testing❖ Comparison of Selenium and Quick Test Professional	
Selenium Features <ul style="list-style-type: none">❖ Understanding the Selenium Integrated Development Environment❖ The concept of Selenium Remote Control❖ Working with Selenium Grid	

<ul style="list-style-type: none"> ❖ Selenium Web Grid 	
<p>Deep Dive into Selenium IDE</p> <ul style="list-style-type: none"> ❖ 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 	<ul style="list-style-type: none"> ❖ Record a test case ❖ Execute First test case
<p>Selenium Web driver Automation</p> <ul style="list-style-type: none"> ❖ The basic architecture of Selenium Web Driver ❖ Download and Installation ❖ Creating a Java function and executing 	<ul style="list-style-type: none"> ❖ Install selenium web driver
<p>Fire Path Installation</p> <ul style="list-style-type: none"> ❖ Deploying Web Drivers for scripting ❖ Getting the HTML source of Web Element ❖ Table and Form Elements ❖ Firebug extension and Fire Path installation 	<ul style="list-style-type: none"> ❖ Set up a Grid
<p>Searching Elements</p> <ul style="list-style-type: none"> ❖ Locator ❖ Locator-ID ❖ Deploying searching elements using the link text, name, using XPath ❖ Searching elements using CSS and Web Element Properties 	<ul style="list-style-type: none"> ❖ Deploy searching elements using the link text, using the name, using XPath ❖ Search elements using CSS and Web Element Properties
<p>Advanced User Interactions and Cross Browser Testing</p> <ul style="list-style-type: none"> ❖ Working with Advanced User Interactions ❖ Understanding the various features like Drag and Drop, Double Click, Keys and Context, deploying 	<ul style="list-style-type: none"> ❖ Deploy and execute a test case for Chrome ❖ Deploy and execute a test case for

<p>Cross Browser Testing using Web Driver</p> <ul style="list-style-type: none"> ❖ Executing tests in Chrome and Firefox 	<p>Firefox</p>
<p>Introduction to TestNG Plug-in</p> <ul style="list-style-type: none"> ❖ Installation of TestNG Plug-in in Eclipse ❖ TestNG sample script ❖ Understanding Selenium test script writing ❖ TestNG test suites creation ❖ Html and XML report generation using TestNG 	<ul style="list-style-type: none"> ❖ Install TestNG plug-in in Eclipse ❖ Write a TestNG script and execute ❖ Generate an HTML report ❖ Generate an XML report
<p>TestNG Terminologies</p> <ul style="list-style-type: none"> ❖ Annotations ❖ Parameters ❖ Groups- Include and Exclude ❖ Test Result ❖ Data Providers 	<ul style="list-style-type: none"> ❖ Mark annotation ❖ Group test results
<p>TestNG Data Providers</p> <ul style="list-style-type: none"> ❖ TestNG Data Providers ❖ The screenshot on failed Test cases ❖ Wait statements of Web Driver ❖ Wait in Selenium ❖ Explicit wait ❖ Implicit wait ❖ Fluent wait ❖ Page Load Timeout 	<ul style="list-style-type: none"> ❖ Capture screenshot on a failed test case ❖ Setup wait timeout to wait for page load before resuming test execution
<p>Maven Integration</p> <ul style="list-style-type: none"> ❖ Introduction to Maven ❖ Maven Usage ❖ Configuring Maven with Eclipse ❖ Taking automatic updates ❖ Running tests in Maven ❖ Creating POM.xml file 	
<p>Maven Integration Tool</p>	

<ul style="list-style-type: none"> ❖ Maven Integration Tool 	
<p>Web Driver Sample Programs</p> <ul style="list-style-type: none"> ❖ 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 JavaScripts ❖ HTML Unit driver ❖ Managing Multiple Windows and AJAX Auto suggestions ❖ Managing Web Tables 	<ul style="list-style-type: none"> ❖ Use text box, button, checkbox, drop down, radio buttons, display views ❖ Capture screenshot ❖ Manage web tables
<p>JUNIT Operations and Test Framework</p> <ul style="list-style-type: none"> ❖ 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 	<ul style="list-style-type: none"> ❖ Load an excel file ❖ Execute a test case using Data driven framework ❖ Execute a test case using the Keyword driven framework
<p>Object Repository</p> <ul style="list-style-type: none"> ❖ Understanding of Object Repository Using OR in Scripts ❖ Learning sample scripts using object repository ❖ Page Object Modeling ❖ Page Factor 	<ul style="list-style-type: none"> ❖ Using OR in scripts ❖ Implement POM
<p>Test Data Management</p> <ul style="list-style-type: none"> ❖ Test Data Management 	<ul style="list-style-type: none"> ❖ Load an excel file ❖ Execute a test case using Data driven framework ❖ Execute a test case using the Keyword driven framework

Selenium Grid Concept <ul style="list-style-type: none">❖ Selenium Grid Overview❖ Executing the single script in different browsers and different scripts in different browsers	<ul style="list-style-type: none">❖ Set up a Grid
Mobile App Testing using Appium <ul style="list-style-type: none">❖ UI Automator Framework in Appium❖ Locating elements in the Android app using UI Automator view❖ Automation testing for Android apps	<ul style="list-style-type: none">❖ Write a test case using UI Automator for an Android app

Project Work

Project 1: JUnit Test Case

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.

Project 2: Testing the website using Selenium Web driver

Objective: To test websites using Selenium web driver

Requirements: Write Selenium scripts to:

- ❖ Test the login screen with username and password
- ❖ Test online widgets like date pickers, tabs, sliders
- ❖ Test interactive actions like draggable, resizable, selectable etc
- ❖ Test the filling up of registration form and submission
- ❖ Test frames and windows
- ❖ Test drop-down menus, alert boxes

Prerequisites: Basic Java programming skill

Problem Statement: Testing websites for various functionalities is a tedious task. Writing right test programs is the first step in that direction. How can we test our own programs using demo websites?

Project 3: Record and play back tests in the actual environment using Selenium IDE

Objective: Use Selenium IDE, which is implemented as a Firefox extension, to record and play back tests in the actual environment

Requirements: Write Selenium scripts to:

- ❖ Record and playback an activity
- ❖ Use Intelligent field selection feature to use IDs, names, or XPath
- ❖ Use Autocomplete for common Selenium commands
- ❖ Debug and set breakpoints in the code
- ❖ Save tests as HTML file
- ❖ Perform automatically assert the title of every page
- ❖ Add new functionality to the API
- ❖ Apply custom formats and export capabilities

Project 4: Selenium Remote Control (RC) testing tool

Objective: Write automated web application UI tests against any HTTP website using a JavaScript-enabled browser using Selenium Remote Control (RC) testing tool

Requirements:

- ❖ Use the RC server to automatically launch and kill browsers
- ❖ Use client libraries for your favorite computer language
- ❖ Write tests in your favorite programming language using Selenium Remote Control for testing complex AJAX-based web user interfaces under a Continuous Integration system

Prerequisites: Any programming language

Lab Environment:

- ❖ Selenium IDE
- ❖ Chrome browser setup with Selenium driver
- ❖ IE browser setup with Selenium driver
- ❖ FireFox browser doesn't need extra configuration

Intellipaap Job Assistance Program

Intellipaap is offering comprehensive job assistance to all the learners who have successfully completed the training. A learner will be considered to have successfully completed the training if he/she finishes all the exercises, case studies, projects and gets a minimum of 60% marks in the Intellipaap qualifying exam.

Intellipaap has exclusive tie-ups with over 80 MNCs for placement. All the resumes of eligible candidates will be forwarded to the Intellipaap job assistance partners. Once there is a relevant opening in any of the companies, you will get a call directly for the job interview from that particular company.

Frequently Asked Questions:

Q 1. What is the criterion for availing the Intellipaap job assistance program?

Ans. All Intellipaap learners who have successfully completed the training post April 2017 are directly eligible for the Intellipaap 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. Does Intellipaap help learners to crack the job interviews?

Ans. Intellipaap has an exclusive section which includes the top interview questions asked in top MNCs for most of the technologies and tools for which we provide training. Other than that our support and technical team can also help you in this regard.

Q 4. 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 Intellipaap certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

Q 5. What is the job location that I will get?

Ans. Intellipaate will try to get you a job in your same location provided such a vacancy exists in that location.

Q 6. Which is the domain that I will get placed in?

Ans. Depending on the IntelliPaate certification training you have successfully completed, you will be placed in the same domain.

Q 7. Is there any fee for the IntelliPaate placement assistance?

Ans. IntelliPaate does not charge any fees as part of the placement assistance program.

Q 8. 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 9. Does IntelliPaate guarantee a job through its job assistance program?

Ans. IntelliPaate 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.

Q 10. What is the salary that I will be getting once I get the job?

Ans. Your salary will be directly commensurate with your abilities and the prevailing industry standards.

What makes us who we are?



"Really enjoyed this manual software testing training, this course helped me a lot to gain a better knowledge in particular with joins etc."

-David Juvan