



# **Course: Software Testing (Automation)**

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of over 250 industry experts. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. We offer 100% placement support through JobsNEAR.in

### **Our Courses/Internship**

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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\* Automation Testing Syllabus

### **MODULE 1 - SQL**

- \* Sql introduction
- \* Sql Datatypes Sql basics-DDL
- \* DML, DCL, Comparison Operators
- \* ConstraintsAggregate
- \* Functions
- \* Practice questions
- \* Joins
- \* Stored Procedures
- \* Practice Question
- Views
- \* Group By
- \* Having
- \* Order By
- \* Clauses Practice Question

#### **MODULE 2 - JAVA**

- \* Introduction to the course
- \* Java Installation
- \* Features and JDK
- \* First Sample Program Data Types and Variables
- \* Operators Control Statements
- \* Loops Scanner

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- \* Array Oops Polymophism (Method overloading)
- \* Constructor Overloading
- \* Types of Inheritance and Method Overriding
- \* This and Super keyword
- \* final and static
- keyword
- Abstraction, Encapsulation, Exception, Thread
- \* Thread Synchronization
- \* Events Collection List & Set
- \* Collection Map & Queue Exam Java

### **MODULE 3 - Selenium IDE**

- \* Selenium Introduction
- **\*** IDE Features
- \* creating script Using IDE
- \* Recording
- \* Selenese
- \* Assert and verify Export
- \* Testcase

### **MODULE 4 - Selenium Webdriver**

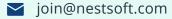
- \* Selenium Webdriver Introduction
- \* Webdriver manager
- \* Junit

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- \* Locators
- Screenshot in selenium
- \* Handling Alerts
- **BrokenLinks**
- Testng and its Features
- Waits in Selenium
- Javascript Executor in Selenium
- Navigation Commands
- \* Dropdown handling using select class
- **Button Text verification**
- \* Radio buttons Actions class
- \* copy paste using action class
- \* draganddrop program Double
- \* click and right click using Action class
- \* Mouse Hover Program
- \* File upload
- \* File upload using AUTO IT and Robot class
- \* Cross browser Testing
- \* Handling multiple windows and tabs
- \* Handle pops in Chrome
- \* Datepicker
- \* DataDrivenTesting

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- \* Extended Reports
- \* POM Design Pattern Frameworks
- \* Datadriven framework Maven
- \* Importance of maven
- \* Create Project in Maven
- \* Project

#### **MODULE 5 - JMeter**

- \* Introduction to Jmeter
- \* overview of performance testing
- \* Jmeter workflow
- \* components of Jmeter
- Building a web Test plan
- \* Report generation
- \* Execution in NON-GUI mode Recording in Jmeter
- Blaze meter plugin Assertions
- \* Timers
- \* CSV Data set configuration
- \* Correlation

### **MODULE 6 - POSTMAN**

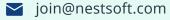
- \* Introduction to Postman
- \* API testing
- \* Download and install postman

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- \* Collections
- \* Request methods
- \* Collection Runner
- \* Test script
- \* Variables
- Data driven testing
- \* API fetching
- **JsonPathfinder**
- \* Openweathermap API
- \* Newman

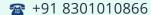
### **MODULE 7 - JIRA**

- \* Agile methodology
- \* scrum
- \* Introduction to Jira
- # Jira issue types
- \* How to create an Epic/User stories in Jira
- \* Creating sprints in Jira
- \* Sprint lifecylce in Jira
- \* Backlogs
- \* Creating bugs
- \* Write Test Cases in Jira with Zephyr plugin
- \* Jira project flow

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### **MODULE 8 - GIR & GITH**

- \* Introduction
- \* Git installation
- \* Repository creation in GitHub
- \* Commands in git

(Click on Course for more details)

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### - Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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