



# **Course: Software Testing**

Duration: 60 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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\* Manual Testing Syllabus

### **MODULE 1 - Introduction to Manual Testing**

- \* What is Software testing?
- \* Importance of Software testing
- Basic terminology of Software testing
- \* Difference between Manual and Automated Testing
- Software testingPrinciples
- \* Levels of Testing

#### MODULE 2 â€" SDLC and STLC

- \* Software development life cycle
- \* Requirements phase
- \* Analysis phase
- Design phase
- Coding phase
- Testing phase
- Release and maintenance phase
- \* Software Development life cycle models
- Waterfall model
- \* Agile model
- \* Spiral model
- \* V model
- Software Testing Life Cycle
- \* Testing Constraints

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### MODULE 3 â€" Static and Dynamic Testing

- \* Static Test Design
- \* Formal review
- \* Informal reviews
- \* Walkthroughs
- Technical review
- Inspection
- \* Dynamic test design
- \* White-box testing
- \* White-box testing technique
- \* Black box testing
- \* Black box testing technique
- \* Grey box testing

#### **MODULE 4 â€" Test Plan and Test Case Documents**

- \* Test plan document
- \* Scope of document
- \* Objective of testing
- \* Customisation of Test Plan document
- \* Requirement Traceability Matrix
- \* Importance of Test case
- \* Test case template
- \* Test Scenario

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\* Test Strategy

### MODULE 5 â€" Types of Testing

- \* Functional Testing Types
- \* Sanity Testing
- **Smoke Testing**
- Retesting
- Regression testing
- \* Adhoc testing and types
- \* UI testing
- \* Positive Testing
- \* Negative Testing
- \* Alpha and Beta Testing
- \* Non-functional Testing
- \* Performance testing
- \* Load testing
- Stress Testing
- \* Volume Testing
- \* Security testing
- Portability testing

### MODULE 6 â€" Bug Report and Test Report Documents

- \* What is a bug?
- \* Bug life cycle

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- \* Severity
- \* Priority
- \* Types of Bugs
- **Bug Report Template**
- Metric types and calculation
- \* Test Report Template
- \* Automation Testing Syllabus

#### **MODULE 1 - SQL**

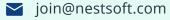
- \* Sql introduction
- \* Sql Datatypes Sql basics-DDL
- \* DML,DCL,Comparison Operators
- \* ConstraintsAggregate
- \* Functions
- \* Practice questions
- \* Joins
- \* Stored Procedures
- \* Practice Question
- \* Views
- \* Group By
- \* Having
- \* Order By
- \* Clauses Practice Question

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

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

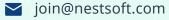
- \* Selenium Introduction
- **\*** IDE Features
- \* creating script Using IDE
- \* Recording

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- Selenese
- Assert and verify Export
- \* Testcase

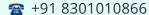
#### **MODULE 4 - Selenium Webdriver**

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

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- \* File upload
- \* File upload using AUTO IT and Robot class
- \* Cross browser Testing
- \* Handling multiple windows and tabs
- Handle pops in Chrome
- Datepicker
- DataDrivenTesting
- Extended Reports
- \* POM Design Pattern Frameworks
- \* Datadriven framework Maven
- \* Importance of maven
- \* Create Project in Maven
- \* Project

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

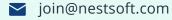
- \* Introduction to Jmeter
- \* overview of performance testing
- \* Jmeter workflow
- \* components of Jmeter
- \* Building a web Test plan
- \* Report generation
- \* Execution in NON-GUI mode Recording in Jmeter
- \* Blaze meter plugin Assertions

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- \* Timers
- \* CSV Data set configuration
- \* Correlation

#### **MODULE 6 - POSTMAN**

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

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# Since 2007, Making IT Experts & Products

- \* 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

#### **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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