

This comprehensive Software Quality Assurance (SQA) course covers **Manual Testing, Automation Testing, API Testing, Agile Methodologies, Process and Project Management**, and equips you with a full range of SQA skills. Taught by industry professionals, it includes hands-on projects, tools like Jira and Git, and focuses on career growth with CV writing, LinkedIn optimization, and mock interviews.

## Course Objectives – SQA Training

After completing this course, students will be able to

- Testing Fundamental – SDLC & STLC, Waterfall cycle, Agile cycle.
- Types of Testing – Unit Testing, Acceptance Testing, Black Box Testing, White Box Testing, and more.
- Test Management: Test Plane and Test Case Development
- Testing Techniques – Equivalence Partitioning & Boundary Value Analysis
- Develop Test Plan.
- Testing in Real Life – Automated Test Case Design, Web Application Testing, Software Testing Life Cycle.
- Software Quality Assurance.
- Database Testing
- Test Report Tools – JIRA, Mantis
- Software Testing Automation Tools – Selenium-IDE
- You Can Write Manual and Automated Test Case by Yourself in Any Live Project
- Your Error Guessing Will Be Excellent!
- You will Join a Quiz After Every Class to Make Yourself Confident to Sit in Software Testing Job Placement!

## Target Audience

- **Students & Graduates** preparing for a Software Testing career.
- **Professionals** enhancing testing skills.
- **Entrepreneurs** ensuring high-quality software products.

## Course Pre-Requisites

- Basic knowledge of operating systems
- Basic knowledge of System
- Basic knowledge of Networking
- Basic knowledge of any programming language

## Details Course Outlines

### Software development life cycle SDLC - 3Hrs

- Waterfall, Agile (scrum, kanban), Hybrid

### Testing Principles – 3Hrs

### Software Testing - 6Hrs

- Whitebox
- Blackbox
- Acceptance Test
- Performance test
- Others like exploratory, compatibility test, globalisation test and more.

### Testing life cycle – 3Hrs

- Bug life cycle/Defect Tracking

**Practise, Q&A – 1Hrs**

**Test Case and checklist - 6Hrs**

- Design Format, technics and review
- Traceability Matrix (RTM)
- Test Suite

**Practise session – 3Hrs**

**Test Management Tools: Jira – 3Hrs**

**Test Plan Design – 3Hrs**

- Static and Dynamic testing
- Domain knowledge of Different type of projects

**Postman – 6Hrs**

**Git basics – 3Hrs**

**Java Basics - OOP – 6Hrs**

**Automation Tools – 15Hrs**

- Web automation by Selenium - Java
- API automation by Rest-Assured
- Mobile App automation by Appium
- Performance Test by JMeter

**Learning with projects – 6Hrs**

- Automation Framework using Selenium - Rest-Assured, Appium, TestNG, Maven

**Assessment, review – 3Hrs**