

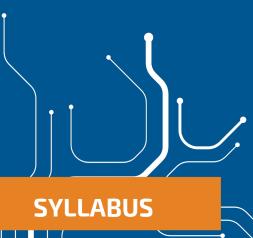






SOFTWARE TESTING

"From Manual to Automation Master the Tools of OA Become a Certified Software Tester"



Version: 1.0



About Us

- → Apponix Academy is a leading training institute offering both online and offline courses in trending technologies like Cloud Computing, DevOps, Cyber Security, Full Stack Development, Data Science, Digital Marketing, and more.
- + Established in 2013, Apponix has trained over 50,000 students across India and abroad, helping them build successful careers in the tech industry.
- → With centers in Bangalore, Pune, Mumbai, Hubli, Aurangabad, Tumkur, Trichy, Gwalior, Ranchi, and more, Apponix continues to expand rapidly across the country.
- + All our courses are designed to be job-oriented, practical, and aligned with real-world industry requirements.
- + Our training is delivered by 100+ highly experienced corporate trainers who are experts in their respective fields.
- → We offer flexible learning options, allowing students to choose between classroom sessions and live online classes.
- + Apponix is ISO certified and provides globally recognized certifications from AWS, Microsoft, and Google.
- → Over 3,000+ Apponix alumni are successfully placed in top MNCs with salaries above ₹15 LPA.
- → Our focus is on 100% hands-on learning, project-based assignments, and real-time case studies.
- → We provide complete career support including resume building, interview preparation, and placement assistance.
- → With a strong presence and proven track record, Apponix Academy continues to be a trusted name in professional IT training.



COURSE KEY FEATUERS



Mock interview sessions
Assured Job Placement
Flexible Timings (online and offline)
Resume building sessions
industry Relevant Syllabus











IABAC Authorized Partner

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VMWARE Authorized Partner

Most Promising Training Institute

MSME Certified

Sample Certificate





SOFTWARE TESTING

1. Introduction to Software Testing

- What is Software Testing
- · Why Software Testing
- Benefits of Software Testing

2. Software Development Life Cycle (SDLC)

Phases of SDLC

Types of SDLC Models

- Waterfall Model
- · Prototype Model
- Spiral Model
- V Model
- · Agile Model

3. Software Testing Methodologies

- Black Box Testing
- White Box Testing

4. Types of Testing

Functional Testing

- UI Testing
- Functional Testing
- Integration Testing
- System Testing
- Smoke Testing
- Sanity Testing
- Retesting
- Regression Testing
- Ad hoc Testing
- User Acceptance Testing

Non-Functional Testing

- Performance Testing
- Security Testing
- Usability Testing
- Compatibility Testing



5. Test Scenarios and Test Cases

- · How to create a Test Scenario
- Test Scenarios Template
- Sample Example of Test Scenarios
- What is Test Case
- Test Case Template
- How to write Test Case
- Writing Test Cases based on a sample application

6. Test Case Design Techniques

- Boundary Value Analysis
- Equivalence Class Partitioning
- Decision Table Testing
- State Transition Testing
- · Error Guessing

7. JIRA Tool

- What is JIRA tool
- How to create Epic, Story, Subtask, Backlog
- Steps to Create Test Cases in JIRA using Zephyr Plugin
- · How to create test cycles in JIRA
- · How to change test case status in JIRA

8. Bug/Defect Management

- What is Bug/ Defect
- How to raise bug in JIRA tool
- Defect Report Key Fields
- What is a bug/ defect lifecycle in software testing?
- Difference between Defect /Bug/Error/Failure
- Severity & Priority



9. Agile Methodologies

- Introduction to Agile
- Agile Frameworks Scrum or Sprint, Kanban, Extreme Programming
- Agile Artifacts
- Key Roles in Agile Product Owner, Scrum Master and Development Team
- Agile/Scrum Ceremonies Sprint Planning, Daily Stand Up, Backlog Grooming, Sprint Review, Sprint Retrospective
- · Benefits of Agile
- Agile vs Traditional (Waterfall) Model

10. Scrum Roles

- Roles and Responsibilities of Product Owner
- Roles and Responsibilities of Scrum Master
- Roles and Responsibilities of Development Team

11. JIRA Tool

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12. Testing Roles and Responsibilities

- Software Test Engineer Responsibilities
- Sr. Software Test Engineer Responsibilities
- Test Lead Responsibilities
- Test Manager Responsibilities

13. Software Testing Life Cycle (STLC)

- Requirement Analysis
- Test Planning
- Test Case Development
- Test Environment Setup
- Test Case Execution
- Test Cycle Closure



14. Requirements Traceability Matrix

- Purpose of RTM
- Sample RTM Format

15. Entry and Exit Criteria

- . What is Entry & Exit Criteria
- Why Entry & Exit Criteria Are Important

16. SQL

- Introduction to SQL
- Data Definition Language: CREATE TABLE, ALTER TABLE, DROP TABLE
- Data Manipulation Language: SELECT, INSERT, UPDATE, DELETE
- Basic SQL Commands: SELECT, FROM, WHERE, ORDER BY
- SQL Aggregate Functions: COUNT(), SUM(), AVG(), MAX(), MIN()
- Grouping Data: GROUP BY, HAVING
- Operators: AND, OR, NOT, =, >, <, >=, <=, !=, +, -, *, /
- Constraints: PRIMARY KEY, FOREIGN KEY, UNIQUE, NOT NULL
- JOINS: INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL OUTER JOIN, INNER JOIN, SELF JOIN

Application Programming Interface (API)

- What is an API?
- HTTP Methods: GET, POST, PUT, DELETE, PATCH
- HTTP Response Status Codes

17. Postman

- Installing and setting up Postman
- · Creating a new request
- Sending a simple GET request
- Understanding request & response sections



Working with APIs in Postman

- GET requests with query/path params
- POST with JSON body
- PUT and DELETE requests

18. Authentication & Authorization

19. Sample Project Practice

- Writing Test Cases based on a sample application
- · Executing test cases and reporting bugs

20. Interview Preparation

- Most asked Manual Testing Questions
- Mock Interview

APPONIX academy

OUR RECENT PLACEMENTS



Mr. Pramod SP
AVIN SYSTEMS PVT LTD



Mr. Piyush Datta Suryaeanshi NETRIKA CONSULTING INDIA PVT LTD



Mr. Sanjay Dev
PRIMUS GLOBAL TECHNOLOGIES



Ms. Sneha Sanjay Mane NAKSHA BUILDERS



Mr. Syed Faras S INFOSYS



Ms. Shiwali 3 DIGITAL



Ms. Amrita Bagchi
SNBP INTERNATIONAL SCHOOL



Mr. Ranjith Sheelvanth
AATMANI SOLUTIONS PVT LTD



Mr. Basavanagouda IBM



Ms. Nikita Hota
NGENIUS CONSULTANT LTD



Mr. ANIRUDH YADAV S N
DECCAN INFOTECH



Mr. Vamishetty Raju CRACK ED

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OUR ALUMNI WORKING IN







