

Manual Testing Course Syllabus

1. Introduction to Manual Testing

- Overview of Software Testing
- Importance of Manual Testing
- Roles and Responsibilities of a Manual Tester

2. Software Development Life Cycle (SDLC)

- Phases of SDLC
- Models of SDLC: Waterfall, Spiral, V-Model, Agile

3. Software Testing Life Cycle (STLC)

- Phases of STLC
- Entry and Exit Criteria
- Test Planning, Design, Execution, and Closure

4. Types of Testing

- Functional Testing
- Non-Functional Testing
- Regression Testing
- Smoke and Sanity Testing
- Integration Testing
- System Testing
- User Acceptance Testing (UAT)

5. Testing Techniques

- Black Box Testing
- White Box Testing
- Grey Box Testing

6. Test Case Development

- Writing Test Cases
- Test Case Design Techniques
- Test Data Preparation

7. Defect Life Cycle

- Defect Reporting
- Defect Tracking
- Defect Management Tools

8. Test Management Tools

- Introduction to Test Management Tools
- Overview of Popular Tools (e.g., JIRA, Quality Center)

9. Agile and Scrum Methodologies

- Basics of Agile Methodology
- Scrum Framework
- Role of a Tester in Agile Projects

10. Practical Sessions

- Hands-on Testing Exercises
- Real-world Testing Scenarios
- Mock Projects and Case Studies

11. Interview Preparation

- Common Interview Questions
- Resume Building Tips
- Mock Interviews