



Learn Software Testing with strong foundation

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Manual Testing

Module 1: Fundamentals of Software Testing

Course overview and planning discussion

Software Development Life Cycle

Introduction to Software Testing

Difference between QA and QC

Difference between Verification and validation

Module 2: STLC & Principles of Software Testing

Software Testing Life Cycle (STLC)

Principles of Software Testing

Testing Process

Module 3: Testing Levels, Types & Techniques

Levels of Software testing

Types of Testing

Static and Dynamic testing

Black box and white box testing techniques

Overview of Non-functional types of testing

Module 4: Test Creation to Bug Report

Test Scenario and Test Case Creation

Test Case Review Activities

Test Environment and Test Execution

Defect / Bug Reporting

Module 5: Software Testing Project (Practical)

What is Domain? Types of Domains

Software Testing Tools

Bug Tracking & Test Case Management Tools (Jira)

Browser Developer Tools / Console Usage

Module 6: API Testing (Practical)

What is an API?

SOAP vs REST API

API Testing using Postman

API Methods, Status Codes, and Responses

Basic Database Understanding

Module 7: AI Basics for Software Testers

Introduction to Artificial Intelligence (AI)

AI vs Test Automation

Writing Test Cases using AI

Reviewing Requirements / PRD using AI

Identifying Missing and Edge Scenarios using AI

Bug Reporting and Documentation using AI

Tools: ChatGPT or similar AI tools

Module 8: Testing Certification / Resume / Interview Guidance

Software Testing Certification Guidance

Resume Preparation

Mock Tests and Mock Interviews

Career Guidance and Doubt Solving
