



Quality Assurance / Software Testing Training

Duration: 65 Hours + Home Assignment (10 + hours)

Pre-requisites: Knowledge of Computer, Windows OS, MS Office.

Session 1

- ✚ Introduction to Software Testing
- ✚ What is Testing/QA? Are they same or different?
- ✚ Is Testing a Technical Role?
- ✚ Projects and Products
- ✚ Quality Assurance and Quality Control
- ✚ Verification and Validation

Session 2

- ✚ Defect/Bugs in Software Testing
- ✚ Quality Team Roles and Responsibilities
- ✚ Career option available for a Test Engineer
- ✚ Testing market and Opportunities

Session 3

- ✚ Software Development Life Cycle(SDLC)
- ✚ What is SDLC and various stages
- ✚ SDLC Models
- ✚ Waterfall Model
- ✚ V-Model
- ✚ Spiral Model
- ✚ Big Bang Model
- ✚ Agile Model

Session 4

- ✚ Testing Concepts and Manual Testing
- ✚ Overview of Testing Life Cycle
- ✚ Testing Methodologies
- ✚ Levels of Testing

Session 5

- ✚ Various Types of Testing
- ✚ Static testing
- ✚ Dynamic Testing
- ✚ Black Box Testing
- ✚ White Box Testing
- ✚ Gray Box Testing
- ✚ Unit Testing
- ✚ Component Testing
- ✚ Integration Testing
- ✚ System/Functional Testing
- ✚ Regression Testing
- ✚ User Acceptance Testing (UAT)
- ✚ Start and Stop Software Testing

Session 6

- ✚ Test Strategy and Planning
- ✚ Overview of Test Strategy
- ✚ Test Planning
- ✚ Risk Analysis

Session 7

- ✚ Test Estimation Techniques

Session 8

- ✚ Test Case Design and Techniques
- ✚ Black Box Testing
- ✓ Equivalence partitioning
- ✓ Boundary value analysis
- ✓ Cause-effect graphing
- ✓ Behavioral testing
- ✓ Random testing etc...
- ✚ White Box Testing
- ✓ Path Testing
- ✓ Statement Coverage
- ✓ Data Flow

Session 9 – Mockup Interview Session

Session 10

- ✚ Defect Life Cycle

Session 11

- ✚ Defect Management Tool – JIRA

Session 12

- ✚ SQL
- ✚ DDL,DCL, DML
- ✚ SQL-Queries
- ✚ SQL-General Structure,Comparison,Grouping
- ✚ SQL Joins , Normalization

Session 13 – Resume Preparation

Session 14

- ✚ Management tool – HP Quality Center

Session 15

- ✚ List of Automation Tools for Testing
- ✓ Open Source
- ✓ Commercial
- ✚ Tool Evaluation
- ✓ Meeting Requirements
- ✓ Technology
- ✓ Training /Skills
- ✓ Costing

Session 16

- ✚ Automation tool – Selenium
- ✚ Automation tool – Introduction to QTP
- ✚ Basics of VB Scripting
- ✚ Automation tool – Introduction to LoadRunner



Session 17

- ✦ Test Management and Strategy, Planning
- ✦ Risk Management
- ✦ Configuration Management
- ✦ Project Management
- ✦ Quality Standard
- ✦ ISO
- ✦ SEI-CMMI
- ✦ IEEE

Session 18 – Mockup Interview Session

What You'll Learn :

- SDLC , Agile, Scrum Process
- Testing definitions and terminology
- Different Types of Testing
- Planning and writing test-cases
- SQL, Basics of VB Scripting
- Test Planning and Documentation
- JIRA, Quality Center, Selenium ,QTP, LoadRunner
- Defect Reporting and Tracking
- Automation Tools for different testing types
- FAQ/Q&A Sessions

Course Highlights:

- Hands on Assignments from each session
- Interview and Job perspectives
- Instructor led learning sessions
- Interactive sessions & Hands on Practice
- Lifetime access to Knowledge Base
- Recorded Session

For more information, call us on 385 743 0999 / 385 237 9777
Or email us at info@mindsmapped.com