

Software Project Testing Course (QA) Online Training with Banking, Insurance and e Commerce Projects as ISTQB Certification Standards...!!

Module 1: Software Testing Fundamentals

- Why did you choose this course?
- Who can do the course?
- What is Software? Types of Software's?
- Introduction to Software Testing
- What is Software Quality?
- What is Project?
- What is Product?
- Objective and Scope of Testing
- Why Testing required?
- Error, Defect, Bug and Failure
- Why software has Defects?
- What are quality factors in Software?

Module 2: Software Development Life Cycle-(SDLC)

- Waterfall model
- Incremental Model
- V model

Module 3: Software Testing Core Concepts

- **Ways of Testing?**
 - Manual Testing
 - Test Automation
- **What are the Kinds of Testing?**
 - Conventional Testing
 - Un-Conventional Testing
- **What are the Methods of System Testing?**
 - Black-Box Testing
 - White-Box Testing

- Gray-Box Testing
- **What are the Levels of System Testing?**
 - Unit Testing
 - Module Testing
 - Integration Testing
 - System Testing
 - User Acceptance Testing
- **What are the Types of System Testing?**
 - **User Interface Testing (GUI)**
 - Menus
 - Content
 - Look and Feel
 - Navigational elements
 - Progress bars
 - Checkbox, buttons, fonts, colors, icons and images
 - Refer GUI Check List Document
 - **Usability Testing**
 - Manual Support Test
 - Help Docs
 - **Functional or Functionality Testing**
 - Some Testing
 - Sanity Testing
 - Re-Testing
 - Regression Testing
 - Object Properties Testing
 - DB/Back End Testing
 - Error Handling Testing
 - Calculations/Manipulation Testing
 - Links Existence/Execution
 - Cookies/Sessions
 - Positive Testing
 - Negative testing
 - Buddy Testing
 - Pair Testing
 - Globalization Testing

- Localization Testing
- **Non-Functional Testing**
 - Performance Testing
 - Load Testing
 - Stress Testing
 - Volume Testing
 - Security Testing
 - Authentication
 - Authorization
 - Access Control
 - Recovery Testing
 - Compatibility Testing
 - Forward compatibility
 - Backward compatibility
 - Hardware compatibility
 - Installation Testing
 - Sanitation/Garbage Testing
- **Random Testing**
 - Exploratory Testing
 - Adhoc Testing
 - Monkey Testing
- **Test Design Techniques**
 - Boundary Value Analysis (BVA)
 - Equivalence Class Partitioning (ECP)
 - Decision Table or Cause Effect Table
 - State Transition Diagram
 - Error Guessing

Module 4: Software Testing Life Cycle

- Test Initiation
- Test Planning
- Test Development/Test Designing
- Test Execution
- Result Analysis

- Defect Tracking
- Defect Reporting
 - Defect Life Cycle or Bug Life Cycle
- Test closure & Test Sign Off
- Test Metrics

Module 5: Live Project Manual Testing**

- Project introduction
- Understanding & Explore the Functionality
- Test Plan
- Writing Test Scenarios
- Writing Test Cases & Review
- Environment Setup & Build Deployment
- Test Execution
- Bug Reporting
- Sanity Testing, Re-Testing and Regression Testing
- Test Signoff

Module 6: Agile Model/Agile Process/Agile Methodology

- Agile Testing + JIRA Tool
- What is Agile?
- Pros & Cons
- What is Scrum and Scrum Team
- User Story
- Epic
- Product Backlog
- Sprint
- Sprint Planning
- Sprint Backlog
- Scrum Meeting
- Sprint Retrospective meeting
- Story Point
- Burn down chart

JIRA Tool

- How to Install and JIRA Tool
- How to create EPIC/User Stories in JIRA
- Creating Sprints in JIRA
- Sprint Life cycle in JIRA
- Backlogs in JIRA
- Creating bugs in JIRA
- How to write test cases in JIRA with Zephyr Plugin
- Creating Test Cycles and Execute Test Cases in JIRA

Module 7: Software Quality Standards

- ISO Quality Standards
- CMM Levels
- Six Sigma Standards
- IEEE Testing Document Standards

Module 8: SQL for Testers

- What is DBMS and RDBMS
- Database
- What is SQL
- Database Components- Client and Server
- Database vs. Schema
- Installing MySQL or Oracle or SQL Server
- SQL Commands
 - DDL (Data Definition Language)
 - DML (Data Manipulation Language)
 - DRL/DQL (Data Retrieval/Data Query Language)
 - TCL (Transaction Control Language)
 - DCL (Data Control Language)
- What is Database Testing?
- Types of Database Testing?

Ready to placement**

- Resume Preparation for fresher & experience
- Testing Certification Guide lines for ISTQB

- Testing Certification Model Papers
- Manual Testing Certifications
- Interview Questions
- Mock Interviews
- Placement Assistance*

