ISTQB FOUNDATION LEVEL CERTIFICATE IN SOFTWARE TESTING

Overview

This course provides comprehensive first-level training for anyone involved in software testing.

The course covers the fundamentals of testing: definitions of testing standards, planning, managing the lifecycle, reviews and the tools available. Techniques for creating tests are described and practised.

Course Objectives

After completing the course, you will be able to:

- Understand software testing key concepts
- Understanding the software testing process in different life cycle models
- Understand software testing tools and techniques
- Writing effective testing plan, test cases, bug reports, and testing reports
- Pass the ISTQB exam
- Describe different software quality control techniques, and standards
- Know how to design test cases based on black box and white box testing.
- Compare and contrast different testing strategies and techniques
- Deploy an effective testing tool
- Develop and run test cases for a typical system based on a testing plan
- Develop interpersonal skills planning, managing personal time and taking responsibility for personal learning
- Develop advanced technical documentation and report writing skills

Syllabus

- Fundamentals of software testing: Provides basic concepts and objectives of software testing and when to start and when to stop testing? and the main differences between QA, QC, and Testing
- Testing: throughout the Software Life Cycle: Covers Testing and Debugging, Verification and Validation, Positive and Negative Testing, and the cost to fixing defects
- Characteristics of Applications
- Testing types, Levels, and Methods: Introduces different testing types (Functional & Non-Functional), testing levels (unit, module, integration, system, and acceptance testing), and Testing Methods (Black Box, While Box)
- Software Testing Documentation: Introduces how to create testing plan, testing scenario, test cases, testing report, and traceability matrix
- Specification-based or black-box techniques: Covers the specification-based or black-box techniques (Decision table testing, state transition, and use case testing)

- Structural-based or While-Box Techniques: Covers Path Testing
- Software testing in agile projects: covers the quality control activities in Agile Projects
- Database Testing
- Types of Defects
- Selenium: tool overview
- Jmeter: Jmeter overview (Load testing and Performance Testing)
- ISTQB Exam Structure

Target Audience

Any person who performs software testing activities, no matter what their Job tile or organizational role may be

- Quality Control Engineers
- Software Engineers
- Individuals seeking ISTQB Certificate
- Beginners who want to start their career in software testing field

Duration

- 3 Days
- 24 Hours: 8 Hours/Day

Pre-requisite

Participants are expected to have at least some experience in software development life cycle.