

Course Guide

ISTQB Foundation

Course

"Thank you for providing the detailed testing training with a hands-on practical approach. I've learned a lot of new ways of testing different applications"

- **Harry Vadagama.**
Test Engineer,
Dell





ISTQB Foundation Course

ISTQB foundation course allows you to learn from the very core fundamentals to advance level software testing concepts. The course is intended for anyone who is new to testing or has been in the testing and wants to learn more in details. The course will also help aspiring software testers to get ISTQB Certificate after passing the exam..With this course you will get an understanding of software development methodologies and fundamentals of software testing. This course will equip you with knowhow of all vital testing processes and bug reporting activities. These activities are important for a tester.

Pre-Requisites

Nothing but your willingness to Learn and Explore systems.

Course Audience

- ✓ Anyone who is new to Software Testing.

- ✓ Anyone who is working in Testing Teams and Environment.
- ✓ Aspiring Software Testers who are willing to get certified.
- ✓ Developers or Business Analysts who are willing to learn Software Testing in general.
- ✓ Senior testers who want to understand generalized terms used in the industry.
- ✓ Non-testers who want to know more about software testing.

Learning Outcomes

- ✓ Understanding Software Development Methodologies
- ✓ Fundamentals of Testing Principles and Processes
- ✓ Understanding the Testing process as a part of a project
- ✓ Identifying Level of testing and Apply different Testing Types
- ✓ Understanding of Test Planning, Estimation, Monitoring and Defect Reporting
- ✓ How to deal with team members and become a good team player
- ✓ Identify how reports are used in the whole Testing Process
- ✓ Understand what tools are required and when in whole Testing Process

Duration

3 Days

Location

Skiva IT Consulting

**Suite 902, Level 9, 175 Castlereagh Street,
Sydney, NSW 2000 Australia**

Course Content

Fundamentals of Testing

- ✓ Why is testing necessary?
 - Software Systems Context
 - The human causes of software defects
 - The role of testing and its effect on quality
 - Testing and Quality
 - How much testing is enough?
- ✓ What is Testing
- ✓ Seven Testing Principles
 - Testing shows the presence of defects
 - Exhaustive testing is impossible
 - Early Testing
 - Defect Clustering
 - Pesticide Paradox
 - Testing is context dependent
 - Absence-of-errors fallacy
- ✓ Fundamental Test Process
 - Test Closure Activities
 - Evaluating Exit Criteria and Reporting
 - Test Implementation and Execution
 - Test Analysis and Design
 - Test Planning and Control
- ✓ The psychology of testing
- ✓ Code of Ethics

Testing throughout the Software Life Cycle

- ✓ Software Development Models
 - V-Model (Sequential Dev Model)
 - Iterative-Incremental Model
 - Testing within a life cycle model
- ✓ Test Levels
 - Component Testing
 - Integration Testing
 - System Testing
 - Acceptance Testing
- ✓ Test Types
 - Testing of function
 - Testing of non-functional software characteristics
 - Testing of software structure/ architecture (Structural testing)
 - Testing related to changes (confirmation testing (retesting) and regression testing)
- ✓ Maintenance Testing

Static Techniques

Static Techniques and the test process.

- ✓ Review Process
 - Phases of a formal review.
 - Roles and Responsibilities.
 - Types of review.
 - Success factors for reviews.
- ✓ Static Analysis by tools

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Test Design Techniques

- ✓ The test development process.
- ✓ Categories of test design techniques.
- ✓ Specification-based or Black-Box techniques.
 - Equivalence Partitioning
 - Boundary Value Analysis
 - Decision Table Testing
 - State Transition Testing
 - Use Case testing
- ✓ Structure-based or white box techniques
 - Statement testing and coverage
 - Decision testing and coverage
 - Other structure-based techniques
- ✓ Experience-based techniques
- ✓ Choosing test techniques

Test Management

- ✓ Test Organization
 - Test organization and Independence
 - Tasks of the test leader and tester
- ✓ Test Planning and Estimation
 - Test Planning
 - Test planning activities
 - Exit Criteria
 - Test Estimation
 - Test Approaches (test Strategies)

- ✓ Test Progress Monitoring and Control
 - Test process monitoring
 - Test Reporting
 - Test Control
- ✓ Configuration Management
- ✓ Risk and testing
 - Project Risks
 - Product Risks
- ✓ Incident Management

Tool Support for Testing

- ✓ Types of test tools
 - Test tool classification.
 - Tool support for management of testing and tests.
 - Tool support for static testing.
 - Tool support for test specification.
 - Tool support for test execution logging.
 - Tool support for performance and monitoring.
 - Tool support for specific application areas.
 - Tool support using other tools.
- ✓ Effective use of tools
- ✓ Potential benefits and Risks.
 - Potential benefits and risks of tool support for testing.
 - Special consideration for some types of tool.
- ✓ Introducing a tool into an organization

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Free Seminars

- > Software Testing Seminar
- > Website Development Seminar
- > Software Testing Workshop
- > Career Development Seminar

Training Courses

Software Testing

- > Software Testing Career Package
- > Software Testing Training
- > Agile Testing Training
- > User Acceptance Testing
- > ISTQB Foundation Testing
- > QTP Training
- > Selenium Training
- > LoadRunner Training
- > JMeter Training

Web Development

- > Microsoft .Net - Hands On
- > Microsoft .Net - Advanced
- > Fundamentals of Java

Scripting & Database

- > VB Scripting
- > SQL for Testers
- > SQL Server

Certifications

