

ISTQB Software Testing Foundations with Agile Practices Course

Course Duration: 40 Hrs.

Course Code: STF-AP

Course Overview

The **ISTQB Software Testing Foundations with Agile Practices** course is designed for individuals who want to build a strong foundation in software testing while understanding how testing is performed in Agile environments. This course introduces core testing principles, terminology, and techniques, along with Agile testing practices used in modern software development. Participants will learn how testers collaborate within Agile teams and how quality is ensured throughout the development lifecycle.

What You'll Learn?

By completing this course, you will be able to:

- Understand fundamental software testing concepts and principles
- Learn key testing terminology and roles
- Apply testing techniques in Agile projects
- Understand Agile values, principles, and frameworks
- Collaborate effectively within Agile teams
- Perform continuous testing and feedback
- Prepare for entry-level ISTQB and Agile testing certifications

Target Audience

This course is ideal for:

- Beginners entering the software testing field

- Fresh graduates and students
- Junior QA Engineers and Testers
- Business Analysts and Developers new to testing
- Professionals transitioning to Agile environments

Pre-Requisites

Participants should have:

- Basic computer knowledge
- Interest in software quality and testing
- No prior testing experience required
- Understanding of Agile concepts is helpful but not mandatory

Course Content

Module 1: Fundamentals of Software Testing

- What is testing and why it is important
- Testing principles and terminology
- Roles and responsibilities in testing

Module 2: Software Development Life Cycles

- Traditional and Agile SDLC models
- Testing across the SDLC
- Agile values and principles

Module 3: Agile Testing Practices

- Testing quadrants and Agile test pyramid
- Role of testers in Agile teams

- Continuous integration and testing

Module 4: Test Design Techniques

- Black box testing techniques
- Experience-based testing
- Test case design in Agile

Module 5: Test Management and Collaboration

- Test planning and estimation in Agile
- Risk-based testing
- Collaboration with product owners and developers

Module 6: Tools, Metrics, and Continuous Improvement

- Tools supporting Agile testing
- Metrics and reporting in Agile projects
- Best practice and exam preparation tips