ISTQB Certified Tester Foundation Level - Agile Tester Training

Duration: **2 Day**

BILGINC IT Academy
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bilginc.com

The training is designed for software testing professionals working in Agile environments or preparing to adopt Agile methodologies. This internationally recognized certification provides a comprehensive understanding of Agile testing principles, Agile team collaboration, testing techniques, and quality assurance practices within Agile projects.

The ISTQB Agile Tester certification is designed for professionals working in Agile environments and organizations adopting Agile methodologies. Participants will gain practical knowledge of Agile testing principles, Scrum practices, Agile Manifesto concepts, Continuous Integration, User Stories, and quality assurance processes throughout Agile software development lifecycles.

The course helps testers understand their role within Agile teams while learning modern testing techniques used in iterative and incremental development environments.

Prerequisites

Participants must hold:

- ISTQB Certified Tester Foundation Level Version 3.1 or earlier

Please note that the current CTFL Version 4 certification is not recommended for this course, as it covers similar Agile testing concepts.

Who Should Attend

This course is suitable for:

- Experienced testers seeking Agile Tester certification
- ISTQB Foundation Level certified testers
- QA professionals working in Agile projects
- Test Analysts
- Test Engineers
- Test Consultants
- Test Managers
- User Acceptance Testers
- Software Developers

The course is also beneficial for:

- Project Managers
- Quality Managers
- Software Development Managers
- Business Analysts
- IT Directors
- Management Consultants

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What You Will Learn

By the end of this training, you will have gained knowledge and skills in the following areas:

- Understand Agile software development fundamentals.
- Explain the Agile Manifesto and various Agile approaches.
- Compare traditional and Agile testing methodologies.
- Apply Agile testing principles and practices effectively.
- Perform the role of a tester within Agile teams.
- Use Agile testing methods, techniques, and tools.
- Assess product quality risks in Agile projects.
- Estimate testing effort based on sprint content and risk levels.
- Apply Test Driven Development (TDD), Acceptance Driven Development (ADD), and Behaviour Driven Development (BDD).
- Execute exploratory testing within Agile environments.

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Training Outline

Fundamentals of Agile Software Development

- Agile Manifesto principles
- Agile frameworks and methodologies
- Adapting the tester role within Agile teams
- User Story creation and review
- Continuous Integration practices
- Agile retrospectives and process improvement

Agile Testing Principles, Practices and Processes

- Agile versus traditional testing approaches
- Collaborative Agile working environments
- Independent testing in Agile projects
- Product quality reporting
- Stakeholder communication

Tester Roles and Skills in Agile Teams

- Responsibilities of Agile testers
- Required Agile testing competencies
- Scrum team testing activities
- Test planning and estimation techniques

Agile Testing Techniques and Tools

- Test Driven Development (TDD)
- Acceptance Driven Development (ADD)
- Behaviour Driven Development (BDD)
- Test Pyramid concepts
- Exploratory Testing
- Agile automation and testing tools
- Functional and non-functional user story testing