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1. Course Information

The **ISTQB® Certified Tester Agile Technical Tester (CT-ATT)** is an **advanced-level certification** designed for experienced software testing professionals who wish to strengthen their **technical testing expertise within Agile development environments**.

This course focuses on advanced Agile testing practices, including **requirements engineering techniques, test-driven development (TDD), behavior-driven development (BDD), experience-based testing, test automation, code quality, and continuous delivery**. Participants will gain practical knowledge on how technical testing activities support rapid, high-quality Agile delivery.

The course prepares participants for the **ISTQB® CT-ATT certification exam** and equips them with skills applicable to modern Agile and DevOps-driven projects.

2. Who Should Attend This Course

This course is intended for professionals who already have a strong foundation in software testing and Agile practices, including:

- Senior Testers and Test Analysts
- Agile Testers and Technical Testers
- Test Automation Engineers
- Software Developers involved in testing
- Quality Engineers and QA Leads
- Agile team members seeking advanced technical testing skills

It is ideal for professionals who want to **advance their careers by mastering technical testing techniques in Agile environments**.

3. Topics Coverage (3-Day Course)

Day 1 – Requirements Engineering & Agile Testing Techniques

Requirements Engineering

- Analyzing user stories and epics using RE techniques
- Identifying and evaluating testable acceptance criteria
- Applying elicitation techniques in Agile contexts

Testing in Agile

- Agile software development and testing techniques
- Test-Driven Development (TDD)
- Behavior-Driven Development (BDD)
- Acceptance Test-Driven Development (ATDD)

Day 2 – Experience-Based Testing & Code Quality

Experience-Based Testing in Agile

- Combining experience-based techniques with black-box testing
- Creating test charters and interpreting results

Aspects of Code Quality

- Refactoring concepts and practices
- Code reviews
- Static code analysis to identify defects and technical debt

Day 3 – Test Automation, CI/CD & Service Virtualization

Test Automation

- Data-driven testing
- Keyword-driven testing
- Applying test automation to a given test approach
- Determining the appropriate level of test automation

Deployment & Delivery

- Continuous Integration (CI) and its impact on testing
- Continuous testing in continuous delivery and deployment

Service Virtualization

- Concept and benefits of service virtualization
- Role of service virtualization in Agile projects

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4. By the End of This Course, Participants Will Be Able To:

Upon successful completion, participants will be able to:

- Analyze user stories and epics using requirements engineering techniques

- Create and evaluate testable acceptance criteria for Agile requirements
- Apply elicitation techniques in Agile projects
- Apply TDD, BDD, and ATDD in Agile testing scenarios
- Understand unit test characteristics and the FIRST principles
- Analyze product backlogs to introduce ATDD effectively
- Combine test automation, experience-based, and black-box testing approaches
- Create and interpret test charters using experience-based techniques
- Understand refactoring and its importance in Agile testing
- Perform code reviews and understand static code analysis
- Apply data-driven and keyword-driven automation techniques
- Determine appropriate levels of test automation for fast-paced delivery
- Understand challenges of test automation in Agile environments
- Apply continuous integration and explain its impact on testing
- Understand continuous testing in CI/CD pipelines
- Understand service virtualization and its benefits in Agile projects

5. Course Duration

- **Duration:** 3 Days
- **Total Contact Hours:** 21 Hours

6. Exam Information

- **Exam Duration:** 90 minutes
- **Number of Questions:** 40 (Multiple Choice)
- **Pass Mark:** 65%
- **Certification Level:** Advanced Level
- **Certification Validity:** Lifetime

7. Pre-Requisites

Candidates must hold **both** of the following certifications:

- ISTQB® Certified Tester Foundation Level (CTFL)
- ISTQB® Agile Tester Extension Foundation Level

OR

- ISTQB® Certified Tester Foundation Level (CTFL) v4.0

8. Additional Information

Certification Body

- International Software Testing Qualifications Board (ISTQB®)

Training Approach

- Instructor-led, interactive sessions
- Practical Agile and technical testing scenarios
- Real-world examples and discussions

Delivery Mode

- Classroom (Face-to-Face)
- Virtual Instructor-Led Training (VILT)
- Corporate / In-house training available

Materials Provided

- Official ISTQB® CT-ATT training materials
- Sample questions and exam preparation guidance
- Certificate of course completion

Why Choose This Course?

- ✓ Advanced technical testing skills for Agile professionals
- ✓ Strong focus on automation, CI/CD, and code quality
- ✓ Internationally recognized certification
- ✓ Ideal for career progression into senior and technical testing roles