ISTQB Certified Tester Advanced Level - Agile Technical Tester Training

Duration: **3 Day**

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The **ISTQB Advanced Level Agile Technical Tester (CTAL-ATT)** certification course provides advanced knowledge and practical skills required to perform effective **technical testing in Agile environments**.

Participants learn how to apply **Agile Testing**, **Test Automation**, **Continuous Integration**, **Continuous Testing**, **Continuous Delivery**, and **Service Virtualization** techniques to improve software quality and delivery speed.

The course combines theory, practical exercises, and exam preparation to support success in the **ISTQB Advanced Certification** examination.

Prerequisites

Candidates must hold either:

Option 1

- **ISTQB CTFL (2019)**
- **ISTQB Agile Tester (CT-AT)**

Option 2

- **ISTQB CTFL v4.0**

Who Should Attend

- Agile Testers
- Software Test Engineers
- Test Automation Engineers
- QA Engineers
- Test Analysts
- Technical Testers
- DevOps Engineers
- Scrum Team Members

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What You Will Learn

By the end of the course, participants will be able to:

- Apply advanced **Agile Testing Techniques**
- Define testable requirements
- Create effective Agile test strategies
- Support **Test Automation** initiatives
- Contribute to **Continuous Integration**
- Support **Continuous Delivery** and **Continuous Deployment**
- Implement **Service Virtualization**
- Communicate effectively within Agile teams

Training Outline

1. Requirements Engineering

Requirements Engineering

- User Stories
- Epics
- Acceptance Criteria
- Testable Requirements

2. Testing in Agile

Agile Software Testing

- Agile Development Principles
- Agile Test Techniques
- Risk-Based Testing
- Exploratory Testing
- Code Quality Practices

Experience-Based Testing

- Exploratory Testing
- Session-Based Testing

Code Quality

- Code Reviews
- Static Analysis
- Refactoring
- Testability

3. Test Automation

Test Automation

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- Automation Techniques
- Automation Frameworks
- Sustainable Test Automation
- Automation Strategy

Automation Levels

- Unit Test Automation
- API Automation
- UI Automation
- End-to-End Automation

4. Deployment and Delivery

Continuous Integration, Continuous Testing and Continuous Delivery

- Continuous Integration (CI)
- Continuous Testing
- Continuous Delivery (CD)
- Continuous Deployment
- Release Automation

Service Virtualization

- Service Virtualization Concepts
- Mock Services
- Test Environment Management
- Dependency Isolation

Career Benefits

The **CTAL-ATT Certification** validates expertise in:

- **Agile Testing**
- **Technical Testing**
- **Test Automation**
- **Continuous Integration**
- **Continuous Testing**
- **Continuous Delivery**
- **DevOps Testing**
- **Software Quality Assurance**

This certification is highly valued by organizations adopting Agile and DevOps practices and helps professionals advance their careers in software quality engineering and technical testing.