

# ISTQB Certified Tester Advanced Level Agile Technical Tester (CTAL-ATT) Course

**Course Duration: 40 Hrs.**

**Course Code: CTAL-ATT**

## Course Overview

The **ISTQB Certified Tester Advanced Level Agile Technical Tester (CTAL-ATT)** course is designed for experienced testers working in agile environments who want to strengthen their technical testing skills. This course focuses on advanced technical practices such as test automation, continuous integration, non-functional testing, and collaboration within agile teams. It equips professionals with the knowledge required to contribute effectively to quality engineering and DevOps-driven delivery while preparing them for the ISTQB CTAL-ATT certification exam.

## What You'll Learn?

By completing this course, you will be able to:

- Apply advanced technical testing techniques in agile projects
- Design, implement, and maintain automated tests at different levels
- Integrate testing within CI/CD pipelines
- Perform non-functional testing such as performance and security testing
- Collaborate effectively with developers and product owners
- Use tools to support continuous testing and quality engineering
- Prepare confidently for the ISTQB CTAL-ATT certification assessment

## Target Audience

This course is ideal for:

- Agile Testers and Senior QA Engineers
- Test Automation Engineers
- Technical Testers and Quality Engineers
- Software Developers involved in testing
- Testing professionals seeking advanced agile certification

## Pre-Requisites

Participants should have:

- ISTQB Certified Tester Foundation Level (CTFL) certification
- Practical experience working in agile software development teams
- Basic knowledge of programming, automation tools, and CI concepts
- Understanding of software testing fundamentals

## Course Content

### Module 1: Agile Technical Testing Foundations

- Role of the agile technical tester
- Agile testing principles and practices
- Collaboration within agile teams

### Module 2: Automation and Test Implementation

- Test automation strategies in agile
- Unit, integration, API, and UI test automation

- Test automation frameworks and tools

### **Module 3: Continuous Integration and Continuous Testing**

- CI/CD pipelines and test integration
- Managing test environments and data
- Feedback loops and fast defect detection

### **Module 4: Non-Functional Testing in Agile Projects**

- Performance, load, and stress testing
- Security and reliability testing
- Scalability and maintainability considerations

### **Module 5: Technical Testing Techniques and Tools**

- Static analysis and code quality checks
- Service virtualization and test doubles
- Tool selection and usage in agile teams

### **Module 6: Quality Engineering and DevOps Practices**

- Continuous quality and shift-left testing
- Collaboration with DevOps and SRE teams
- Measuring and improving technical quality