

ISTQB Certified Tester Foundation Level - Mobile Application Testing (CT-MAT) Course

Course Duration: 24 Hrs.

Course Code: CT-MAT

Course Overview

The **ISTQB Certified Tester Foundation Level – Mobile Application Testing (CT-MAT)** course is designed for testing professionals who want to specialize in testing mobile applications. This course focuses on the unique challenges of mobile testing, including device fragmentation, operating systems, network variability, usability, performance, and security. Participants will gain practical knowledge of mobile testing techniques, tools, and best practices while preparing for the ISTQB CT-MAT certification exam.

What You'll Learn?

By completing this course, you will be able to:

- Understand mobile application architectures and ecosystems
- Identify challenges specific to mobile application testing
- Design and execute effective mobile test cases
- Perform functional, usability, performance, and security testing
- Test mobile apps across devices, platforms, and networks
- Use tools and techniques for mobile test automation
- Prepare confidently for the ISTQB CT-MAT certification exam

Target Audience

This course is ideal for:

- Software Testers and QA Engineers
- Mobile Application Testers
- Test Analysts and Technical Testers
- Developers involved in mobile app testing
- Professionals seeking specialization in mobile testing

Pre-Requisites

Participants should have:

- ISTQB Certified Tester Foundation Level (CTFL) certification
- Basic understanding of software testing concepts
- Familiarity with mobile applications (Android or iOS)
- Knowledge of agile development practices is beneficial

Course Content

Module 1: Introduction to Mobile Application Testing

- Mobile application types and architectures
- Mobile platforms and ecosystems
- Mobile testing challenges

Module 2: Mobile Test Design and Execution

- Test levels and test types for mobile apps
- Test scenarios and test case design
- Test environments and devices

Module 3: Usability and Accessibility Testing

- Mobile usability principles

- Accessibility guidelines for mobile apps
- User experience testing

Module 4: Performance and Security Testing

- Network conditions and performance testing
- Resource usage and battery testing
- Mobile security threats and testing

Module 5: Mobile Test Automation and Tools

- Overview of mobile testing tools
- Mobile automation frameworks
- Integrating mobile testing into CI/CD

Module 6: Test Management and Best Practices

- Managing mobile testing activities
- Device and test data management
- Best practices and continuous improvement