TRENDS | Academy
Learning | Evolving | Empowering

ISTQB Certified Tester Advanced Level Technical Test Analyst (CTAL-TTA)

Duration: 4 Days

Prerequisites:

- Foundation Level Certification: Candidates must possess the ISTQB Certified Tester Foundation Level (CTFL) certification as it lays the groundwork for further advanced concepts.
- Practical Experience: It is recommended that candidates have at least 3 years of practical experience in the field of software testing. This experience helps in understanding the real-world applications of the concepts taught in the course.
- Understanding of Software Development: A basic understanding of the software development lifecycle and software development methodologies (like Agile, Waterfall, etc.) is beneficial.
- Familiarity with Testing Concepts: Knowledge of fundamental testing concepts, terminologies, and processes, including test planning, design, execution, and defect management.
- Basic Programming Knowledge: While not always mandatory, familiarity with programming and scripting languages can be advantageous, especially for topics such as API testing and understanding code-based coverage techniques
- Analytical Skills: Strong analytical skills to assess risk, evaluate test results, and contribute to the quality assurance process effectively.
- Technical Aptitude: An interest in and aptitude for technical aspects of software testing, including an understanding of system architecture and non-functional test types (such as performance and security testing).

Course Description:

The ISTQB Certified Tester Advanced Level Technical Test Analyst (CTAL-TTA) course is a comprehensive program designed for experienced testers who wish to deepen their understanding of technical testing. This course covers various aspects of technical test analysis, such as risk-based testing, structure-based testing, analytical techniques, quality characteristics for technical testing, reviews, and test tools and automation. Learners will acquire skills in performing risk assessment and mitigation, applying structure-based techniques like condition testing, decision condition testing, and path testing, and understanding how to effectively utilize static and dynamic analysis.

The course also delves into testing for quality characteristics including security, reliability, and performance, and covers best practices for reviews and using test tools. By completing the ISTQB Advanced Technical Test Analyst (ISTQB TTA) course, participants will be well-equipped to handle complex technical testing challenges, improve software quality, and contribute to the success of their organizations' software development lifecycle.

Target Audience:

- Test Analysts
- Technical Test Analysts
- Test Engineers
- QA Engineers
- Test Consultants
- Test Managers
- Software Developers
- User Acceptance Testers
- System Administrators involved in testing
- Test Automation Specialists
- Performance Test Engineers
- Security Test Specialists
- Anyone aiming for the ISTQB Advanced Level certification

Course Outlines:

- Introduction
- The Technical Test Analyst's Task in Risk-Based Testing
- White-Box Test Techniques
- Static and Dynamic Analysis
- Quality Characteristics for Technical Testing
- Reviews
- Test Tools Automation
- References
- Appendix A: A Quality Characteristics Overview
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