ISTQB Certified Tester Advanced Level Test Analyst (CTAL-TA) Course

Course Duration: 24 Hrs. **Course Code: CTAL-TA**

Course Overview

The **ISTQB Certified Tester Advanced Level – Test Analyst (CTAL-TA)** course is designed for experienced software testing professionals who want to specialize in test analysis, design, and execution from a business and functional perspective. This course focuses on advanced testing techniques, requirement-based testing, and risk-based testing to ensure that software solutions meet business needs and quality expectations. It prepares participants for the ISTQB CTAL-TA certification exam.

What You'll Learn?

By completing this course, you will be able to:

- Analyze business and functional requirements effectively
- Design high-quality test cases using advanced techniques
- Apply risk-based and requirements-based testing approaches
- Perform functional and non-functional testing from a user perspective
- Manage test data and test environments efficiently
- Improve defect detection and reporting quality
- Prepare confidently for the ISTQB CTAL-TA certification exam

Target Audience

This course is ideal for:

- Test Analysts and Senior QA Engineers
- Business-focused Testers
- QA Leads and Functional Test Specialists
- Professionals pursuing ISTQB Advanced Level certification
- Testers involved in complex business systems

Pre-Requisites

Participants should have:

- ISTQB Certified Tester Foundation Level (CTFL) certification
- Practical experience in software testing
- Knowledge of requirements and business processes
- Familiarity with Agile or iterative development models

Course Content

Module 1: Advanced Test Analysis and Design

- Role of the test analyst
- Advanced test analysis techniques
- Designing effective test conditions and cases

Module 2: Risk-Based and Requirements-Based Testing

- Identifying and assessing risks
- Prioritizing tests based on risk
- Traceability and coverage

Module 3: Testing Business Processes and Data

- Business process testing

- Data-driven testing
- Managing complex test data

Module 4: Non-Functional Testing from a User Perspective

- Usability and accessibility testing
- Functional suitability and compatibility
- Evaluating quality attributes

Module 5: Test Execution, Defect Management, and Reporting

- Executing advanced test cases
- Defect classification and root cause analysis
- Metrics and reporting for stakeholders

Module 6: Tools, Automation Support, and Best Practices

- Tools supporting test analysis and design
- Supporting automation from a test analyst perspective
- Best practices and exam preparation tips