ISTQB Certified Tester Foundation Level 4.0 Course

Course Duration: 24 Hrs. **Course Code: CTFL-4.0**

Course Overview

The **ISTQB Certified Tester Foundation Level 4.0 (CTFL 4.0)** course provides a comprehensive introduction to software testing based on the latest ISTQB syllabus. It is designed to establish a strong foundation in testing principles, processes, techniques, and terminology applicable across traditional, agile, and DevOps environments. This course helps participants understand the role of testing in delivering high-quality software and prepares them to successfully clear the ISTQB CTFL 4.0 certification exam.

What You'll Learn?

By completing this course, you will be able to:

- Understand fundamental principles and objectives of software testing
- Explain the software development and testing life cycles
- Apply basic test design techniques
- Identify and manage defects effectively
- Understand testing in agile and DevOps contexts
- Use test management concepts and tools
- Build a strong foundation for advanced ISTQB certifications

Target Audience

This course is ideal for:

- Aspiring software testers and QA professionals
- Fresh graduates and entry-level IT professionals

- Software developers new to testing
- Business analysts and project team members
- Anyone seeking a strong foundation in software testing

Pre-Requisites

Participants should have:

- Basic computer knowledge
- Interest in software quality and testing
- No prior testing experience required
- Familiarity with software development concepts is helpful but not mandatory

Course Content

Module 1: Fundamentals of Testing

- Why testing is necessary
- Testing principles and psychology of testing
- Test objectives and outcomes

Module 2: Testing Throughout the Software Development Lifecycle

- Software development life cycle models
- Test levels and test types
- Maintenance testing

Module 3: Static Testing

- Reviews and static analysis
- Review process and roles

- Benefits of early defect detection

Module 4: Test Analysis and Design

- Black-box, white-box, and experience-based techniques
- Test case design and coverage
- Test data preparation

Module 5: Managing the Test Activities

- Test planning, monitoring, and control
- Risk-based testing
- Defect management and configuration management

Module 6: Test Tools and Automation Basics

- Types of test tools
- Benefits and risks of test automation
- Tool selection considerations

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