



CTALTM - Version: 3
22 September 2021

ISTQB - Certified Tester Advanced Level - Test Manager



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 5 days Course

Description:

Being a technical manager is hard enough, but managing the testing process is a unique challenge, requiring judgment, agility, and organization.

The course covers the essential tools, critical processes, significant considerations, and fundamental management skills for people who lead or manage development and maintenance test efforts. It describes the development and use of the test plan, the test system, the bug tracking database, and the test tracking spreadsheet. It covers the “people skills” needed to define your test team, hire the appropriate people, manage that team’s relationships with peers and managers, and distribute test work to other participants.

Finally, the course addresses the contextual issues of test projects, such as the economics of testing, the test effort within the project.

Intended audience:

Advanced Level Test Manager Qualification is aimed at people who have achieved an advanced point of their careers in software testing. This included people in roles such as:

- Test Leader
- Test manager
- Test consultant
- IT director
- Project manager
- Quality manager
- Business analyst
- Manager consultant

Prerequisites:

There are two options to attend to this course:

With Certification:

At least 4 years experience in SW development or SW test Of which: 2 years in Test Management, Project Lead, Test Methodology or Test Process Improvement roles (combinations are allowed)

Basic diploma of Foundation level

Proven experience in testing - Employees - employer letter, Independents - a letter from the customers

Document "Code of Ethics" Sign

Without certification:

At least 4 years experience in SW development or SW test Of which: 2 years in Test Management, Project Lead, Test Methodology or Test Process Improvement roles (combinations are allowed).

Objectives:

Define the overall testing goals and strategy for the systems being tested

Plan, schedule and track the tasks

Describe and organize the necessary activities

Select, acquire and assign the adequate resources to the tasks

Select, organize and lead testing teams

Organize the communication between the members of the testing teams, and between the testing teams and all the other stakeholders

Justify the decisions and provide adequate reporting information where applicable

Topics:

Testing Process

- Introduction
- Test Planning, Monitoring and Control
- Test Analysis
- Test Design
- Test Implementation
- Test Execution

- Evaluating Exit Criteria and Reporting
- Test Closure Activities

Test Management

- Introduction
- Test Management in Context
- Risk-Based Testing and Other Approaches for Test Prioritization and Effort Allocation
- Test Documentation and Other Work Products
- Test Estimation
- Defining and Using Test Metrics
- Business Value of Testing
- Distributed, Outsourced, and Insourced Testing
- Managing the Application of Industry Standards

Reviews

- Introduction
- Management Reviews and Audits
- Managing Reviews
- Metrics for Reviews
- Managing Formal Reviews

Defect Management

- Introduction
- The Defect Lifecycle and the Software Development Lifecycle
- Defect Report Information
- Assessing Process Capability with Defect Report Information

Improving the Testing Process

- Introduction
- Test Improvement Process



- Improving the Testing Process
- Improving the Testing Process with TMMi
- Improving the Testing Process with TPI Next
- Improving the Testing Process with CTP
- Improving the Testing Process with STEP

Test Tools and Automation

- Introduction
- Tool Selection
- Tool Lifecycle
- Tool Metrics

People Skills

- Introduction
- Individual Skills
- Test Team Dynamics
- Fitting Testing Within an Organization
- Motivation
- Communication