

Certified Tester Expert Level Implementing Test Process Improvement Course

Course Duration: 24 Hrs.

Course Code: CTEL-TPI

Course Overview

The **Certified Tester Expert Level – Implementing Test Process Improvement** course is designed for senior testing and quality professionals who are responsible for assessing, improving, and institutionalizing test processes within an organization. This expert-level course focuses on selecting, tailoring, and implementing test process improvement (TPI) models to enhance efficiency, effectiveness, and business value. Participants will gain the skills needed to lead sustainable quality improvement initiatives and prepare for the ISTQB Expert Level assessment.

What You'll Learn?

By completing this course, you will be able to:

- Assess the current maturity of testing processes
- Select appropriate test process improvement models
- Plan and implement structured test process improvements
- Manage organizational change and stakeholder expectations
- Measure and demonstrate the value of process improvement
- Sustain and continuously optimize testing practices
- Prepare effectively for the ISTQB Expert Level TPI assessment

Target Audience

This course is ideal for:

- Test Directors and QA Heads

- Senior Test Managers and Quality Leaders
- Process Improvement Managers Test
- Test Consultants and Auditors
- Professionals pursuing ISTQB Expert Level certification

Pre-Requisites

Participants should have:

- ISTQB Advanced Level Test Manager (CTAL-TM) certification
- Extensive experience in software testing and test management
- Knowledge of test processes and quality models
- Experience with organizational or process improvement initiatives

Course Content

Module 1: Foundations of Test Process Improvement

- Purpose and benefits of test process improvement
- Role of the expert test professional
- Challenges and success factors

Module 2: Test Process Assessment

- Assessing current testing practices
- Identifying strengths, weaknesses, and gaps
- Assessment techniques and data collection

Module 3: Test Process Improvement Models

- Overview of TPI, TMMi®, and other models
- Selecting and tailoring improvement models

- Model integration and scalability

Module 4: Planning and Implementing Improvements

- Defining improvement goals and roadmaps
- Implementing change in testing processes
- Managing risks and resistance

Module 5: Measurement, Metrics, and Value Demonstration

- Defining KPIs and success criteria
- Measuring improvement effectiveness
- Demonstrating ROI and business value

Module 6: Sustaining Improvement and Organizational Change

- Institutionalizing improved processes
- Continuous improvement strategies
- Building a culture of quality and excellence