

Quality-Oriented Software Engineering

 **2 Days**

Program Overview

The aim of this training is to inform all the attendees about the principles and importance of planning and verification of the outputs in every stage of the software development life cycle. Practical examples will be provided to show the effect of these principles on customer satisfaction. Real-life examples will be shared with attendees to express how costs are increased in the maintenance process when these principles are not applied.

Who should attend?

- Software Project Managers
- Software Development and Test Leaders
- Quality and Process Analysts
- Test Specialists
- Attendees who would like to improve themselves in software testing
- Attendees who would like to develop qualified software



Pre-requisites?

Software development experience, Testing experience.

What will you learn?

- Quality-oriented approach to software development
- Factors affecting quality
- Analysis of the software from a quality perspective
- The contribution of the practices such as continuous integration and error tracking to the Project

Structure and Content

- Overview of Software Development Processes from the Point of Quality Assurance
- Process Quality / Product Quality
- Quality in Analysis, Design, Development, and Testing
- Establishing Clear and Quantifiable Requirements
- Building the Traceability Structure
- Analysis of Software Architecture in terms of Testability
- Prioritization based on Risk Analysis
- Review Processes
- Establishing an Effective Test Plan and Relevant Test Cases
- Schedule Management
- Change Management
- Continuous Integration and its Contribution to Quality
- Error Tracking Methods
- Effective Reporting
- Determining when the project will be completed



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