

Advanced Software Testing Techniques

 **2 Days**

Program Overview

This training, which is the continuation of Quality-oriented Software Engineering and Software Testing Techniques trainings, summarizes the role of the test team at every stage of the software development life cycle and study in detail the test techniques that can be applied in the testing phase for different types of requirements. In this technically intensive training, questions that should be answered for functional, performance, load, security, usability and similar test areas, test methods, test tools, and measurement methods will be discussed with applied practices.

Who should attend?

- Test Engineers
- Testers
- Software Testers
- Software Developers
- Who want to develop more quality applications



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www.electraic.com



trainings@electraic.com



+90 312 429 0067

Pre-requisites?

- Quality-oriented Software Engineering or Software Testing Techniques training

What will you learn?

- Quality-oriented approach to software development is understood with real-life examples
- Factors affecting quality is discussed
- Analysis of the software from quality perspective is experienced with examples
- The contribution of the practices such as continuous integration and bug tracking to the project is shared with experiences

Structure and Content

- The Role of Testing in Analysis, Design, Development and Testing
- Analysis of Software Architecture in Terms of Testability
- Review Processes
- Prioritization Based on Risk Analysis
- Establish an Effective Test Plan and Relevant Test Cases
- Test Tools
- Functional Test Design
- Performance, Load, Security, Usability and Other Methods
- Test Automation Techniques
- Static Testing Methods
- Threat Model Analysis
- Continuous Integration-based Test Runs
- Error Tracking Methods
- Effective Reporting
- Debugging Techniques
- Code Coverage Analysis



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