

# € TRAINING

Effective Software Testing Techniques



12 - 16 August 2024  
London (UK)  
Landmark Office Space



# Effective Software Testing Techniques

REF: B1005 DATE: 12 - 16 August 2024 Venue: London (UK) - Landmark Office Space Fee: 5850 Euro

## Introduction:

This training program provides participants with essential knowledge and skills in software testing methodologies. It empowers them to effectively test software applications, ensuring quality and reliability in software products.

## Program Objectives:

At the end of this program, participants will be able to:

- Understand the fundamentals of software testing.
- Apply various testing techniques and methodologies.
- Develop effective test plans and cases.
- Execute tests and report findings accurately.
- Utilize automation tools for efficient testing processes.

## Targeted Audience:

- Software Testers.
- Quality Assurance Professionals.
- Software Developers.
- IT Project Managers.
- Employees involved in the software development lifecycle.

## Program Outline:

### Unit 1:

#### Introduction to Software Testing:

- Overview of software testing.
- Importance of testing in software development.
- Types of testing manual vs. automated.

- Testing lifecycle and processes.
- Common challenges in software testing.

## Unit 2:

### Test Planning and Design:

- Developing a test strategy.
- Writing effective test plans.
- Designing test cases and scenarios.
- Risk-based testing approach.
- Test environment setup and configuration.

## Unit 3:

### Testing Techniques and Methodologies:

- Black-box vs. white-box testing.
- Functional and non-functional testing.
- Regression testing and its importance.
- Exploratory and ad-hoc testing.
- Using testing frameworks and tools.

## Unit 4:

### Test Execution and Reporting:

- Executing test cases.
- Logging and tracking defects.
- Analyzing test results.
- Effective test reporting.
- Communication and collaboration with development teams.

## Unit 5:



## Test Automation:

- Introduction to test automation.
- Selecting the right automation tools.
- Writing and maintaining automated test scripts.
- Continuous integration and automated testing.
- Best practices for successful test automation.