

Software Testing Foundation

Course features

This course has two complementary objectives: to give participants a good basic understanding of the principles of software testing; and to prepare participants for the ISEB Foundation Certificate in Software Testing. To further these aims, the course features a significant number of exercises and tests and also includes a mock examination.

ISEB certificates

The course prepares delegates to sit the examination leading to the ISEB Foundation Certificate in Software Testing, which takes place at the end of the course.

Course Content

The Principles of Testing

- Why testing is necessary
- How much testing is enough?
- Coverage and completion criteria
- The fundamental test process
- The psychology of testing
- Re-testing and Regression testing
- Prioritisation of tests
- Testability

Testing throughout the lifecycle

- Testing and the Development Lifecycle
- High Level Test planning
- Stages of Testing
- Component Testing
- Link Testing
- System and acceptance testing
- Large Scale Integration testing
- Alpha and Beta testing
- Non-functional system testing
- Load, performance and stress testing
- Security testing
- Usability testing
- Storage and volume testing
- Installation testing
- Documentation testing
- Backup and recovery testing
- Maintenance testing

Test Techniques

- Test techniques and the lifecycle
- Black and White Box testing
- Equivalence partitioning
- Boundary Value Analysis
- State transition testing
- Statement and Branch testing
- Error-guessing
- Reviews and the test process
- Types of review
- Static Analysis

Test Management

- Organisation
- Configuration management
- Test estimation, monitoring and control
- Incident management
- Standards for testing

Tool support for testing (CAST)

- Types of CAST tool

Tool selection and implementation

Further Information

For further information on this course please contact us:

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