

Course Objectives

The objective of the course is to prepare delegates for the certification exam for the ISEB foundation certificate in software testing. This means that by the end of the course delegates should be able to:

1. Perform effective testing of software
2. Have an awareness of software testing techniques and standards
3. Have an awareness of what testing tools can achieve
4. Understand where to find more information about testing
5. Establish the basic steps of the testing process

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This course is presented on behalf of Acutest by Pinta Education: an ISEB Accredited Training Provider

ISEB software testing foundation certificate course syllabus

Principles of Testing

- Testing terminology
- Why software testing is necessary
- Fundamental test process
- Psychology of testing
- Re-testing & regression testing
- Expected testing results
- Prioritisation of testing

Testing throughout the software life-cycle

- Models and economics for software testing
- High level test plans and test planning
- Software component testing
- Integration testing
- Functional system testing
- Non-functional system testing
- Acceptance testing
- Maintenance testing

Dynamic testing techniques

- Black box testing techniques
- White box testing techniques
- Error guessing

Static testing techniques

- Reviews and the test process
- Types of review: walkthrough, inspections & informal review
- Static analysis

Test management

- Organisation and standards of testing
- Configuration management
- Test estimation, monitoring and control
- Incident management

Testing tool support for software testing (CAST)

- Types of automated testing tools
- Testing tool evaluation and selection
- Testing tool implementation

