



Practical Software Testing

COURSE **LEVEL**
INITIAL

COURSE **OVERVIEW**

This course explains the fundamentals of software testing. It will provide a theoretical framework and also demonstrate how to practically implement software testing techniques.

This course will explain how the testing process works and how it should be implemented. Candidates will gain an understanding of the different terminology involved in software testing and how each fits into the development of software.

In addition, each candidate is supplied with guidelines on how to improve testing effectiveness in their work environment.

COURSE **CONTENT**

The course covers the following areas:

REVIEWS

Reviews are one of the most powerful techniques in software testing, yet are seldom used due to the frequent underestimation of their cost-saving effect. Candidates will be taught how to use reviews, and shown how to apply them for maximum effect.

REQUIREMENTS MANAGEMENT

Candidates will learn the proper process for identifying, prioritising and tracking the status of testable requirements. This process greatly enhances test management planning, design, execution and reporting.

TESTING TECHNIQUES

Candidates will learn a variety of techniques that will allow them to select and design effective tests. This skill enables testers to find the most serious faults in the shortest time.

INTENDED AUDIENCE

The course is relevant to junior testers, experienced testers, test analysts, test managers and business analysts.

TRAINING VENUES

iLAB Training presents courses at several well-established training facilities in Johannesburg, Cape Town and Durban. Training can be arranged at the client's premises depending on adequate facilities and candidate numbers.

COURSE DURATION

The course is presented by an experienced software testing practitioner. The course duration is three days. It runs from 8:00 to 16:30. This includes a lunch and two tea breaks daily.

TRAINING STYLE

The course is conducted in a classroom style. Candidates use practical tasks to consolidate theoretical concepts. Any testing-related problems encountered in the workplace can be discussed in the course.

DEFECT MANAGEMENT

Defect management allows testers to effectively track faults and provides them with the techniques necessary to provide management with insightful reports. These reports include measures that show when testing on a project is no longer cost-effective. In addition, defect classification, analysis and metrics are discussed, and practical conclusions are drawn from these.

TESTING TYPES

This course will cover various verification and validation testing types, when each should be used and how they should be implemented.

OTHER AREAS

The course also covers other areas, such as software development lifecycles, constructing test cases, test execution, and helpful tips and tricks to implement in their business environment.

COURSE PREREQUISITES

Previous experience in software testing is not necessary; however, general knowledge of the information technology industry is an advantage.

