With advanced skills in test analysis, design and execution, you will learn how to analyse the system in sufficient detail to meet the users’ expectations for quality.

You will also learn how to evaluate system requirements to determine validity for the business domain.

Learning Outcomes

You will be able to:

• Determine the required structure and level of test condition development
• Describe how test analysis and design, in addition to creating dynamic tests, are also static testing techniques that can be used to discover defects
• Describe the pre-conditions for test execution
• Determine from a given set of test metrics whether a test completion criterion has been fulfilled
• Prioritise test case selection, test coverage, and test data creation, based on risk
• Write test cases from given software models using the test design techniques
• Specify, execute, and report tests using exploratory testing
• Explain what testing techniques are appropriate to test

Content

• Testing process
• Test management: responsibilities for the test analyst
• Specification-based test techniques - equivalence partitioning, boundary value analysis, decision tables, state transition testing, use cases, classification tree method, pairwise testing, domain analysis, user story testing
• Defect and experienced based test techniques - error guessing, checklist-based, exploratory testing.
• Testing software characteristics - accuracy, suitability, interoperability, usability, accessibility.
• Reviews
• Defect management
• Test tools

Duration
Self-paced

Intended for
Test Managers, Testers, Test Analysts, Test Engineers, Test Consultants, User Acceptance Testers and Software Developers. It is also appropriate for anyone who wants a deeper understanding of software testing.

Prerequisites
This is an advanced-level testing course. Prior software testing knowledge is strongly recommended. For those wishing to take the ISTQB Advanced Level Certification (CTAL-ATT) exam you must hold the ISTQB Foundation Certification.