PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: ISTQB® Advanced Test Automation Engineer	**Course Duration**: 3.0 Days
Exam: Included	**Exam Type**: Proctored Exam
Qualification: ISTQB® Advanced Test Automation Engineer Certificate	

Course Syllabus

Before ISTQB® Advanced Test Automation Engineer training course, you should be able to demonstrate your skills in the following areas:

- Explain the objectives, advantages, disadvantages, and limitations of test automation
- Identify technical success factors of a test automation project
- Analyse a system under test to determine the appropriate automation solution
- Analyse test automation tools for a given project and report technical findings and recommendations
- Understand “design for testability” and “design for test automation” methods applicable to the SUT
- Explain the structure of the Generic Test Automation Architecture
- Analyse factors of implementation, use, and maintenance requirements for a given Test Automation Solution
- Explain the factors to be considered when identifying reusability of components
- Apply guidelines that support effective test tool pilot and deployment activities
- Analyse deployment risks and identify technical issues that could lead to failure of the test automation project, and plan mitigation strategies
- Understand which factors support and affect maintainability
- Classify metrics that can be used to monitor the test automation strategy and effectiveness
- Explain how a test execution report is constructed and published
- Apply criteria for determining the suitability of tests for automation
- Understand the factors in transitioning from manual to automation testing
- Explain the factors to consider in implementing automated regression testing, new feature testing, and confirmation testing
- Verify the correctness of an automated test environment including test tool setup
- Verify the correct behaviour for a given automated test script and/or test suite
- Analyse the technical aspects of a deployed test automation solution and provide recommendations for improvement

Course Overview

Our three-day ISTQB® Advanced Test Automation Engineer training course explains the tasks of a test automation engineer (TAE) in designing, developing, and maintaining test automation solutions.

Our ISTQB® Advanced Test Automation Engineer training course contribute to the development of a plan to integrate automated testing within the testing process.

Course Learning Outcomes

Before ISTQB® Advanced Test Automation Engineer training course, you should be able to accomplish the following Business Objectives:

- Contribute to the development of a plan to integrate automated testing within the testing process
- Evaluate tools and technology for automation best fit to each project and organisation
- Create an approach and methodology for building a test automation architecture (TAA)
- Design and develop (new or modified) test automation solutions that meet the business needs
- Enable the transition of testing from a manual to an automated approach
- Create automated test reporting and metrics collection
- Manage and optimise testing assets to facilitate maintainability and address evolving (test) systems

Audience

Our ISTQB® Advanced Test Automation Engineer training course is appropriate for professionals in roles such as Testers, Test Analysts, Test Engineers, Test Consultants, Test Managers and Software Developers.

Our ISTQB® Advanced Test Automation Engineer training course may also be appropriate for anyone who wants a deeper understanding of software test automation, such as Project Managers, Quality Managers, Software Development Managers, Business Analysts, IT Directors and Management & Management Consultants.

Entry-Level Requirements

Our ISTQB® Advanced Test Automation Engineer training course must hold the ISTQB® Foundation certificate.

Recommended Reading

There is no recommended reading for our ISTQB® Advanced Test Automation Engineer training course.

What's Included

Our ISTQB® Advanced Test Automation Engineer training course includes the following:

- Full Course Materials
- ISTQB® Advanced Test Automation Engineer Exam

Exam Information

ISTQB® Advanced Test Automation Engineer Examination:

The ISTQB® Advanced Test Automation Engineer examination is comprised of 40 multiple choice questions, with a pass mark grade of 65% to be completed within 90 minutes.

Participants that take the exam not in their spoken language, will receive additional 25% time, and will have 23 minutes more, or a total of 113 minutes.

What's Next

Whenever you are ready for the next step in certification, here are the most common follow on courses after the ISTQB® Advanced Test Automation Engineer training course.

- ISTQB® Foundation
- ISTQB® Advanced Technical Test Analyst
- ISTQB® Advanced Test Manager
- Combined ISTQB® Foundation & Agile Foundation Extension
- ISTQB® Foundation Agile Extension
- ISTQB® Advanced Agile Technical Tester
- ISTQB® Acceptance Tester
- ISTQB® Advanced Security Tester
- ISTQB® Mobile App Tester
- ISTQB® Model Based Tester

Additional Information

Founded in 2002, ISTQB® (International Software Testing Qualifications Board) is a not-for-profit association comprising 47 national boards (including the UKTB) covering 71 countries worldwide.

ISTQB® has defined the Advanced certification as part of their ‘Certified Tester’ scheme that, with over 240,000 certifications, has become the de-facto worldwide standard for software testing qualifications.