

[IATAEC]: ISTQB Advanced Test Automation Engineer Certificate

Length : 3 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

Want to learn the methods and processes for automating tests? In this ISTQB® Advanced Test Automation Engineer course, you will gain a solid understanding of test automation concepts and methods that are applicable across a number of development approaches, and test automation tools and platforms.

Automation is a key skill for the modern tester. This ISTQB Advanced Test Automation Engineer certification is the first step in becoming a part of the growing test automation space.

Audience Profile

Candidates wishing to participate in the ISTQB Advanced Test Automation Engineer course must possess the ISTQB Foundation Level certification (or higher) and at least 3 years of experience in testing.

It is designed for:

- **Upskilling**
Test Automation professionals wanting to accredit their skills for recognition by employers, clients and peers
- **Understanding**
Test Managers needing the skills to plan and lead automation projects
- **Accrediting**
Experienced testers looking to develop expertise in test automation

At Course Completion

- 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 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
- 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.
- Analyse factors of implementation, use, and maintenance requirements for a given Test Automation Solution
- Analyse deployment risks and identify technical issues that could lead to failure of the test automation project, and plan mitigation strategies
- Verify the correctness of an automated test environment including test tool setup
- Verify the correct behavior for a given automated test script and/or test suite

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Course Outline

- Introduction and Objectives for Test Automation
- Preparing for Test Automation
- The Generic Test Automation Architecture
- Deployment Risks and Contingencies
- Test Automation Reporting and Metrics
- Transitioning Manual Testing to an Automated Environment
- Verifying the Test Automation Solution
- Continuous Improvement

Getting Certified

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

The examination is separate from the 3 day course and sat on a different day.

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