PSTQB
ASSOCIAÇÃO PORTUGUESA
DE TESTES DE SOFTWARE

246€
O valor mencionado, incluí IVA à taxa normal em vigor.

Remote Exam

English, German and French

ISTQB® CTAL
Test Automation Engineer

The Advanced Level Test Automation Engineer qualification is aimed at people who have already achieved an advanced point in their careers in software testing and wish to develop further their expertise in automation testing. The modules offered at the Advanced Level cover a wide range of testing topics.

To get the Advanced Level certification, candidates must hold the Foundation Certificate and have sufficient practical experience.

CONTENTS

Test Automation
Purpose of Test Automation
Success Factors

Preparing for Test Automation
SUT Factors Influencing Test Automation
Tool Evaluation and Selection
Design for Testability and Automation

The Generic Test Automation Architecture
Introduction to gTAA
TAA Design
TAS Development

Deployment Risks and Contingencies
Test Automation Approach and Planning of Deployment/Rollout
Risks Assessment and Mitigation Strategies
Test Automation Maintenance

Test Automation Reporting and Metrics
Selection of TAS Metrics
Implementation of Measurement
Logging of the TAS and the SUT
Test Automation Reporting

Transitioning Manual Testing to an Automated Environment
Criteria for Automation
Automation within Regression Testing
Automation within New Feature Testing
Automation of Confirmation Testing

Verifying the TAS
Verifying Automated Test Environment Components
Verifying the Automated Test Suite

Continuous Improvement
Options for Improving Test Automation
Test Automation Improvement

EXAM STRUCTURE

* 49 points or more
** Only for participants that take the exam not in their spoken language
*** Each correct answer can have a value of 1 to 3 points

BUSINESS OUTCOMES

- 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 organization.
- 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 optimize testing assets to facilitate maintainability and address evolving (test) systems.

For more information, please contact: rui.cardoso@pstqb.pt

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