



Remote Exam



English, German & French



258,30€



Associate Price

246€

The amounts mentioned include VAT at the normal rate in force.

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 taking the exam in a language other than their mothertongue;

*** 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: exames@pstaqb.pt



Av.^a Infante D. Henrique, 311
Edifício Espazo
1950-421 Lisboa
PORTUGAL



(+351) 211 935 548



info@pstaqb.pt



www.pstaqb.pt