PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Introduction To Test Automation Workshop	**Course Duration**: 1.0 Day
Exam: Not Included	**Exam Type**: No Exam
Qualification: Introduction To Test Automation Workshop Certificate	

Course Syllabus

Our Introduction To Test Automation Workshop training course covers the following Modules:

Module: Introduction to test automation

When automation is appropriate and when it's not for:

- Test driven development and continuous integration
- System testing
- Automated regression testing and selecting tests for automation
- User Acceptance Test
- Creating test data
- Selecting the tests that are best suited to automation

Module 2: Factors that influence the return on investment when automating

- Cost of tools versus ease of use
- Skills required to use the tools
- Cost of developing the automating tests
- Cost of maintaining the tests
- How often the tests will be executed

Module 3: How to select the most appropriate tool or tools for a project.

Overview of some of the automation tools that are available

Practical demonstrations:

- Katalon Recorder & Selenium IDE – simple record and replay tools
- Selenium Webdriver – scripted browser tests
- Hands-on practical session using Katalon Recorder record and replay

Q&A and close.

Course Overview

Our one-day Introduction To Test Automation Workshop training course aims to educate participants on the concepts, techniques, and tools involved in automating software testing processes. The workshop typically includes a combination of theory, practical exercises, and hands-on training to equip attendees with the knowledge and skills required to implement effective test automation

strategies.

Course Learning Outcomes

Our Introduction To Test Automation Workshop training course will teach delegates to be proficient in the following:

- Understanding the purpose and benefits of test automation.
- Differentiating between manual and automated testing.
- Identifying the types of tests suitable for automation.
- Exploring popular test automation frameworks such as Selenium, Appium, and Cypress.
- Understanding the key features and capabilities of these tools.
- Evaluating criteria for selecting the right tool for your project.
- Identifying test scenarios and converting them into automated scripts.
- Learning a programming language for test automation (e.g., Java, Python).
- Hands-on exercises to develop automated test scripts using the chosen tool and framework.
- Running automated test scripts and analyzing the test results.
- Generating meaningful reports for test analysis and defect tracking.
- Understanding best practices for test automation design and maintenance.
- Addressing common challenges and pitfalls in test automation.
- Tips for integrating test automation into the software development lifecycle.

Audience

Our Introduction To Test Automation Workshop training course will benefit several individuals and organisations, including but not limited to:

- Software Testers
- Quality Assurance (QA) Professionals
- Developers
- Project Managers
- Agile/Scrum Teams
- IT Professionals and Consultants
- Students and Aspiring Testers
- Anyone who wishes to gain knowledge and practical skills in test automation.

Entry-Level Requirements

Our Introduction To Test Automation Workshop training course requires delegates have some experience of testing as this is beneficial but not essential.

Delegates will require a laptop and be able to install Chrome as a browser and be able to add browser plug-ins as this course uses either Katalon Recorder or Selenium IDE for the hands-on practice exercises.

Recommended Reading

There is no recommended reading for our Introduction To Test Automation Workshop training course.

What's Included

Our Introduction To Test Automation Workshop training course conations the following:

- Pre-reading
- Course Manual
- Quizzes
- Exercises

Exam Information

There is no Exam for our Introduction To Test Automation Workshop training course.

What's Next

Attendees may enjoy our three-day ISTQB® Advanced Test Automation Engineer training course.

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.

Additional Information

Our Introduction To Test Automation Workshop training course offers several benefits to individuals and organisations, including but not limited to:

- **Enhanced Efficiency**: Test automation enables the execution of repetitive and time-consuming tests quickly and accurately.
- **Increased Test Coverage**: Manual testing has limitations in terms of the number of scenarios that can be covered.
- **Improved Accuracy and Consistency**: Automated tests follow predefined scripts and instructions, ensuring consistent and accurate execution of test cases.
- **Early Bug Detection**: Test automation enables the identification of bugs and defects early in the software development cycle.
- **Faster Time-to-Market**: With test automation, you can accelerate the testing process, reducing the overall time required for software release cycles.
- **Cost Savings**: Although there is an upfront investment in setting up test automation frameworks and scripts, it can lead to long-term cost savings.
- **Continuous Integration and Delivery**: Test automation plays a crucial role in enabling continuous integration and delivery practices.
- **Career Advancement**: Proficiency in test automation is a highly sought-after skill in the software industry.
- **Improved Software Quality**: Test automation helps uncover defects, vulnerabilities, and inconsistencies in software products.
- **Adaptability and Future-Proofing**: Automation is becoming increasingly prevalent in software development and testing.