THE LEARNING DEVELOPMENT GROUP

Testing Automation Fundamentals

TAF – FTI Certification

SAQA ID:	NA
NQF Level:	NA
Credits:	NA

Introduction

This is an intensive short course that covers the fundamental principles and techniques of Test Automation.

It is designed to give you simple and effective technical concepts for planning, managing, and executing Test Automation.

We use a blend of highly interactive facilitated sessions and practical learning to ensure you can apply what you learn immediately.

Target Audience

The programme is aimed at aspiring Test Automators and Manual Testers who need technical skills, as well as Developers who want to learn more about Test Automation.

It is also suitable for Line Managers who need an overview of Test Automation.

Entry Requirements

- At least six months experience in a Testing Team as part of an IT Project Team or

- To have attended a testing short course equivalent to the FTI Fundamentals of Software Quality Assurance.

Workplace Requirements

There are no workplace requirements but if you are able to apply and practice the skills learnt on the course to your own job or workplace, this will be an advantage.

Course Delivery & Assessment

We use in-classroom, virtual classroom and blended interactive facilitator-led training sessions, group discussions, practical exercises and feedback sessions to embed knowledge and skills.

Through the experiential approach to learning, you will be able to immediately apply what you learn.

To receive an FTI Certificate of Attendance, you will need to:

- Attend all lectures and sessions.

- Actively participate in activities and discussions so that you learn by practicing techniques, sharing knowledge and experience, and completing exercises in a simulated environment.

- Do some individual reading and self-study.

Learning Outcomes

By the end of the programme, you will have a good understanding of the main Test Automation tools and techniques.

You will:

- Gain a good understanding of the concept of Test Automation Principles.

- Understand Test Automation Planning and Strategy.

- Apply Test Automation Principles to implement Test Automation Frameworks.

- Understand Test Automation Metrics and Reporting.

- Understand Test Automation Tool Selection and Life cycles.

- Gain basic practical experience with Test Automation.

Course **Content**

**Testing Automation Fundamentals
Short Course**

SAQA ID: NA | **Learning Programme ID: TAF**
NQF Level: NA | **Credits : NA**

Module 1: Introduction to Test Automation
- Purpose (Objectives, Pros and Cons, Approaches)
- Success Factors

Module 2: Test Automation Planning and Strategy
- Test Automation Strategy
- Key Focus Areas

Module 3: Test Automation Frameworks
- Generic Test Automation Architecture
- Test Automation Implementation Approaches

Module 4: Test Automation
- Metrics and Reporting

Module 5: Test Automation Tools
- Tool Selection
- Tool Life cycle
- Practical Test Automation - Tool Use: Selenium IDE for Firefox / Chrome

Our **Accredited Organisations**

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