MYSkillBridge
ACADEMY

DURATION | **3 DAYS** | MODE : ONLINE/F2F

Bridging Talent to
Quality Engineering, AI & Cybersecurity

TESTER ADVANCED LEVEL
TEST AUTOMATION ENGINEER

The Test Automation Engineer (TAE) course focuses on advanced skills involved in designing, developing and maintaining test automation solutions. TAE is designd to study the specific correlation of automation with domain areas such as test management, configuration management, defect management, software development processes, and quality assurance. This course is aimed at anyone interested to enhance their knowledge in testing, automated tools and frameworks, as well as those keen on designing and developing solutions to perform automation test. Join us to upskill your knowledge and get certified!

Course Outline

Chapter 1 : Introduction and Objectives for Test Automation

- Purpose of Test Automation
- Success Factors in Test Automation

Chapter 2 : Preparing for Test Automation

- SUT Factors Influencing Test Automation
- Tool Evaluation and Selection
- Designing for Testability and Automation

Chapter 3 : The Generic Test Automation Architecture

- Introduction to gTAA
- TAA Design
- TAS Development

Chapter 4 : Deployment Risks and Contingencies

- Selection of Test Automation Approach and Planning of Deployment/Rollout
- Risk Assessment and Mitigation Strategies
- Test Automation Maintenance

Chapter 5 : Test Automation Reporting and Metrics

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

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Course Outline

Chapter 6 : **Transitioning Manual Testing to an Automated Environment**

- Criteria for Automation
- Identify Steps Needed to Implement Automation within Regression Testing
- Factors to Consider when Implementing Automation within New feature Testing
- Factors to Consider when Implementing Automation of Confirmation Testing

Chapter 7 : **Verifying the TAS**

- Verifying Automated Test Environment Components
- Verifying the Automated Test Suite

Chapter 8 : **Continuous Improvement**

- Options for Improving Test Automation
- Planning the Implementation of test Automation Improvement

By end of this three-day course, participants will be able to :

- Incorporate automated testing within testing processes during development stages
- Assess tools and technology required to cater for each project
- Design and develop enhanced or new test automation solutions based on business requirements
- Transition testing methods: to shift from manual to automated testing
- Generate automated test reports and maintaining the test systems