MYSkillBridge ACADEMY

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

Bridging Talent to
Quality Engineering, AI & Cybersecurity

Strengthen your software testing knowledge and skill with

ISTQB Certified

Tester Advanced Level - Technical Test Analyst (CTAL-TTA)

Course :

This course is designed to help participants prepare for the CTAL-TTA examination.
It also assists software professionals to:

- Increase value in the global industry and organization
- Add value to own credentials & career path
- Apply consistent and good testing practice within all software engineering disciplines.

Who should attend:

- Testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers.
- Project managers, quality managers, software development managers, business analysts, IT directors and management consultants who want a deeper understanding of software testing.

MYSkillBridge Academy
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Topics Coverage over three days course duration

Chapter 1 The Technical Test Analyst's task in Risk-Based Testing

- Risk Assessment
- Risk Mitigation

Chapter 2 Structure -Based Testing

- Condition Testing
- Decision Condition Testing
- Modified Condition/Decision Coverage (MC/DC)
- Multiple Condition Testing
- Path Testing
- API Testing
- Selecting a Structure-Based Technique

Chapter 3 Analytical Techniques

- Static Analysis
- Dynamic Analysis

Chapter 4 Quality Characteristics for Technical Testing

- General Planning Issues
- Security Testing
- Riability Testing
- Performance Testing
- Resource Utilization
- Maintainability Testing
- Portability Testing

Chapter 5 Review

- Introduction
- Using Checklists in Reviews

Chapter 6 Test Tools and Automation

- Integration and Information Interchange Between Tolls
- Defining the Test Automation Project
- Specific Test Tools

By the end of the course, participants will be able to :

- Perform the appropriate testing activities based on the particular software development lifecycle being used
- Recognize and classify the typical risks associated with the performance, security, reliability, portability and maintainability of software systems
- Create test plans which detail the planning, design and execution of tests for mitigating performance, security, reliability, portability and maintainability risks
- Select and apply appropriate structural design techniques to ensure that tests provide an adequate level of confidence, based on code coverage and design coverage
- Effectively participate in technical reviews with developers and software architects applying knowledge of typical mistakes made in code and architecture
- Recognize risks in code and software architecture and create test plan elements to mitigate those risks through dynamic analysis.
- Propose improvements to the security, maintainability and testability of code by applying static analysis

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