

ISTQB Certified Tester AI Testing (CT-AI)

Duration: 4 days /28 hours; Instructor-led/ remote online training

Time: 9.00am – 5.00pm

Break: 10.15am – 10.30am /3.15pm – 3.30pm

Lunch: 1.00pm – 2.00pm

ABOUT THIS COURSE

Advance your career in the AI field with the ISTQB® AI Testing (CT-AI) certification, and extend your understanding of artificial intelligence and/or deep (machine) learning, most specifically testing AI-based systems and using AI in testing

AUDIENCE

Testers, test analysts, data analysts, test engineers, test consultants, test managers, user acceptance testers and software developers testing AI-based systems and/or utilises AI for testing.

anyone who needs basic exposure on testing for AI-based systems and/or AI for testing, such as project managers, quality managers, software development managers, business analysts, operations team members, IT directors and management consultants

By the end of the course, participants will be able

- Understand the current state and expected trends of AI
- Experience the implementation and testing of a ML model and recognize where testers can best influence its quality
- Understand the challenges associated with testing
- AI-Based systems, such as their self-learning capabilities, bias, ethics, complexity, non-determinism, transparency, and explainability
- Contribute to the test strategy for an AI-Based system
- Design and execute test cases for AI-based systems
- Recognize the special requirements for the test infrastructure to support the testing of AI-based systems
- Understand how AI can be used to support software testing

COURSE OUTLINE

Chapter 1: Introduction to AI

Chapter 2: Quality Characteristics for AI-Based Systems

Chapter 3: Machine Learning (ML) – Overview

Chapter 4: ML – Data

Chapter 5: ML Functional Performance Metrics

Chapter 6: ML – Neural Networks and Testing

Chapter 7: Testing AI-Based Systems Overview

Chapter 8: Testing AI-Specific Quality Characteristics

Chapter 9: Methods and Techniques for the Testing of AI-Based Systems

Chapter 10: Test Environments for AI-Based Systems

Chapter 11: Using AI for Testing