

# ISTQB® Testing with GenAI (2 days)



7 h / day



5-15 persons



SUO / ENG



ENG

- The ISTQB® Certified Tester – Testing with Generative AI (CT-GenAI) extends the Foundation Level and provides testing and quality-engineering professionals with a structured, hands-on path to master how, when, and why to use Large Language Models (LLMs) and other generative-AI techniques across the entire test process.
- It not only explains the fundamentals of GenAI but also builds practical skills through real-world prompt-engineering patterns and applied testing use cases. Testers will learn how to integrate GenAI capabilities responsibly while managing key risks such as hallucinations, bias, security, privacy, and environmental impact.
- Target group: anyone involved in using generative AI for software testing, including testers, test analysts, test automation engineers, test managers, user-acceptance testers and software developers. It is equally valuable to professionals who need a solid understanding of GenAI in testing—project managers, quality managers, software development managers, business analysts, IT directors and consultants.
- Prerequisite: Before taking the CT-GenAI exam, you must be certified ISTQB® Certified Tester Foundation Level (CTFL).

## Contents:

- **Introduction to GenAI for Software**
  - GenAI Foundations and Key Concepts
  - Leveraging GenAI in Software Testing: Core Principles
- **Prompt Engineering for Effective Software Testing**
  - Effective Prompt Development
  - Applying Prompt Engineering Techniques
  - Evaluate GenAI Results and Refine Prompts
- **Managing Risks of GenAI in Software Testing Process**
  - Hallucinations, Reasoning Errors and Biases
  - Data Privacy and Security Risks
  - Energy Consumption and Environmental Impact of GenAI
  - AI Regulations, Standards and Best Practice Frameworks
- **LLM-Powered Solutions for Software**
  - Architectural Approaches for LLM-Powered Testing Solutions
  - Fine-Tuning and LLMOps: Operationalizing GenAI
- **Deploying and Integrating GenAI in Test Organizations**
  - Roadmap for Adoption of GenAI
  - Manage Change when Adopting GenAI