**Learn Generative AI in Software Testing**

**Learn Prompt engineering skills to generate Test Artifacts, Automation codes and demo of AI powered Testing tools**

**What you'll learn**

* Learn Prompting skills to generate Automation code in any language/tools (Selenium,Cypress,Playwright) using AI
* Understand how to optimize the code into framework standards with simple prompting to AI
* Learn generating Test Artifacts in fly such as TestPlan, Testcases, TestData, Bug templates for given Business requirements
* Get overview of AI Powered Testing tools in current market and their capabilities for revolutinizing Test Automtion
* Learn generating API Automation tests to framework level & SQL Queries with simple prompting to AI

**This course includes:**

* 4.5 hours on-demand video
* 5 articles
* 3 downloadable resources
* Access on mobile and TV
* Certificate of completion

**Requirements**

* No programming experience needed.

**Description**

This AI Testing course is designed to be your ideal companion, teaching prompt engineering skills that help you ask the right questions in the right way, enabling you to generate answers swiftly for your everyday testing needs. We will also explore AI-powered testing tools and delve into how QA Automation is evolving with AI intelligence.

The course content is divided into three learning phases:

**Phase 1:**

* Creating test plans and requirements through AI.
* Generating unit, integration, and functional test cases with AI.
* Producing test data relevant to different tests.
* Providing suggestions on distributing tests throughout the testing lifecycle.
* Developing automation scripts for test cases.
* Crafting custom utility code methods to automate functionalities.
* Configuring framework-related files using AI.
* Creating Cucumber feature files and step definitions with real code via AI.
* Generating UI tests using libraries like Selenium, Cypress, and Playwright.

**Phase 2:**

* An introduction to AI-powered testing tools.
* Achieving codeless automation using AI QA tools.
* Generating test automation code based on business analyst requirements within the tool.
* Understanding the self-healing capabilities of AI tools to ensure test stability.
* Learning about intelligent reporting and defect management with AI-powered QA tools.
* Conducting an end-to-end demo on writing complex tests in plain English.

**Phase 3:**

* Parsing complex JSON responses with simple AI prompts.
* Generating JSON paths using plain English.
* Creating POJO classes for complex JSON files with AI prompts.
* Developing Rest Assured automation tests using contract documentation as input.
* Generating custom utility code methods on-the-fly to validate API responses.
* Producing AI tests using libraries like Rest Assured, Cypress, and Playwright.
* Formulating SQL queries from complex database tables using simple AI prompts.

We utilize Google GEMINI (AI) to demonstrate topics in Phases 1 and 3.

**Who this course is for:**

* Software Testers
* Quality Assurance Engineers
* Developers
* Business Analysts
* Freshers
* Product owners
* Scrum Masters