



**START YOUR  
COPILOT TRAINING  
CAREER TODAY!!**

**CREDO SYSTEMZ**  
**Copilot Training  
for Software Tester**

# Capstone Projects :

Real Time Business Scenario using  
Copilot Training for Software Tester



## Test Case Generation

Use Copilot to automatically generate detailed test cases from software requirements or user stories, saving time in test design.



## Bug Report Drafting

Leverage Copilot to analyze logs, summarize defects, and draft clear bug reports with reproducible steps.



## Test Script Automation

Apply Copilot in VS Code to auto-suggest Selenium or Playwright scripts for functional and regression testing.



## API Testing Assistance

Use Copilot to generate API test cases, validate responses, and automate Postman collections or Python scripts.



## Test Data Creation

Generate realistic test data sets in Excel or databases with Copilot for boundary, performance, and negative testing.



## Automation Framework Enhancement

Improve existing test automation frameworks by using Copilot's AI suggestions for code optimization, refactoring, and documentation.



# **COPILOT TRAINING FOR SOFTWARE TESTER COURSE SYLLABUS**

## **Section 1 : Introduction to AI in Testing**

- Evolution of AI in software testing
- GitHub Copilot – role in test automation, debugging, bug detection
- How AI understands prompts in test cases and scripts
- Future of AI in QA and automation

## **Section 2 : Getting Started with GitHub Copilot for Testers**

- Creating a GitHub account & enabling Copilot
- Installing Copilot extension in VS Code & JetBrains IDEs
- Configuring Copilot for test automation projects
- Managing permissions and test data privacy
- Understanding inline test suggestions (ghost text)
- Using block suggestions
- Shortcuts and hotkeys for faster test writing

## **Section 3 : Prompt Engineering for Testers**

- Writing effective prompts for test scripts generation
- Converting requirements stories into test scripts
- Creating test scripts from comments
- Debugging prompts

## **Section 4 : AI-Powered Code Generation**

- Writing manual test cases to automated scripts using Copilot
- Generating unit, integration,
- Regression tests
- Creating Selenium test scripts
- Using Copilot Chat to explain test scripts



- Generating mock data for testing
- Automating repetitive test patterns
- Generating API test automation
- Accelerating end-to-end test automation

## ● **Section 5 : Quality Assurance with AI**

- Auto-generating test documentation & reports
- Using AI for edge cases
- AI-assisted test plan reviews
- Using Copilot for performance & load testing scripts
- Reducing human error in test execution
- AI for regression suite updates

## ● **Section 6 : Debugging and Defect Analysis with AI**

- AI-assisted bug detection
- Explaining test failures automatically
- Suggesting fixes for test script errors
- Optimizing slow-running test cases
- Detecting security
- Automating repetitive debugging workflows
- Learning debugging patterns

## ● **Section 7 : Multi-Framework Testing with AI**

- AI-assisted scripting in Python
- Java automation with Copilot
- JavaScript and TypeScript testing
- Handling different syntax
- Using Copilot in UI, API, DB, and Mobile testing

## ● **Section 8 : Real Time Projects**

- Employee Management System – Test Automation Suite
- E-Commerce Ordering System – End-to-End Test Automation
- Bug Tracker with AI-Assisted Testing
- API Integration & Automation

## Tools Covered

GitHub Copilot



GitHub Copilot Chat



Visual Studio Code



Visual Studio



Azure DevOps



GitHub Actions



Selenium



Postman



JUnit / NUnit /  
PyTest



## Skills Covered

Prompt Engineering



Test Case Generation



Test Data Creation



Bug Report Drafting



Exploratory Testing with AI



Code Review Assistance



Automation Script Support



Natural Language to  
Test Script Conversion



AI-Powered Debugging



Collaboration with AI Tools



# Earn your Copilot Training for Software Tester Course Completion Certificate

Credo Systemz's certificate is highly recognized by 30K Global companies around the world.



# WHAT OUR **TRAINEE** SAYS?



**Libi charan**

**4.7** ★★★★★

Excellent course! Clear explanations, step-by-step guidance, and practical examples. Learned to use Copilot effectively. Highly recommend for beginners and professionals..



**Srivarshini**

**4.2** ★★★★★

Had a wonderful learning experience at Credo Systemz. The Copilot course was clear, easy, and effective. Trainers were very supportive and the proper coordination's. Thank you Credo Systemz



**Jason Israel**

**5.0** ★★★★★

Highly recommended course! Trainers explained Copilot features simply. Learned real-world applications. Increased productivity immediately. Perfect for students and professionals alike.



**Vasmitha**

**4.9** ★★★★★

Credo Systemz delivered a well-structured Copilot Training for software Tester. Trainers explained everything clearly. Gained useful knowledge. Very helpful for career growth.



**Abinaya**

**4.0** ★★★★★

Credo Systemz provided a great Copilot Training for software Tester. Easy explanations, hands-on practice, and helpful trainers. Perfect for beginners and professionals alike.



**Padmesh**

**4.5** ★★★★★

Very helpful training! The course makes Copilot Training for Data Analysts easy to understand. Great for productivity. Learned tips I can apply daily. Highly recommended. Thank you Credo Systemz






# CHENNAI


## VELACHERY

New # 30, Old # 16A, Third Main Road, Rajalakshmi Nagar, Velachery, (Opp. to Murugan Kalyana Mandapam), Chennai – 600 042.

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## OMR

Plot No.8, Vinayaga Avenue, Rajiv Gandhi Salai, (OMR), Okkiampettai, (Behind Okkiyampet Bus Stop) Chennai – 600 097.

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# OVERSEAS

## USA

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## UAE

Sima Electronic Building, LLH Opposite, Electra Street – Abu Dhabi