

Certified Associate Tester with Python (PCAT) Course

Course Duration : 40 Hours

Course code : PCAT-PY-945

1. Course Overview

The Certified Associate Tester with Python (PCAT) Course is designed to provide a strong foundation in software testing combined with Python programming. This course focuses on equipping learners with the skills required to perform both manual and automated testing using Python.

2. What you'll learn?

- Fundamentals of software testing
- Python programming for testing
- Writing and executing test cases
- Automation testing basics
- Debugging and reporting
- Test framework concepts

3. Target Audience

- Beginners in software testing
- Manual testers transitioning to automation
- Students and fresh graduates
- QA professionals
- IT professionals interested in testing

4. Pre-Requisites

- Basic understanding of programming (Python recommended)
- Knowledge of software testing concepts (optional)
- Interest in automation testing
- Familiarity with computers

5. Course Content (Modules)

Module 1: Introduction to Software Testing

- Testing fundamentals
- Types of testing
- Test case design

Module 2: Python for Testing

- Python basics
- Writing scripts for testing
- Data handling

Module 3: Automation Testing Concepts

- Introduction to automation
- Tools and frameworks
- Writing automated test scripts

Module 4: Frameworks & Debugging

- Test frameworks overview
- Debugging techniques
- Reporting methods

Module 5: Projects & Certification Preparation

- Real-world testing scenarios
- Best practices