



ASPIREQ
Freedom meets aspirations

Software Development Engineer in Testing (SDET) Course

Syllabus

Module 1 - Manual Testing

Introduction to software testing concepts, methodologies, and execution. Covers SDLC, STLC, various testing techniques, bug logging, Blackbox/Whitebox testing, types of testing, and testing artifacts.

Module 2 - AI in Testing

Learn how to use AI tools like ChatGPT, Microsoft Copilot, and Deepseek in solving business problems. Includes AI in Excel, PowerPoint, and Full Stack Development.

Module 3 - API Testing

Covers API fundamentals, testing methods, Postman, request-response validation, authorization, data parameterization, and API automation frameworks.

Module 4 - Automation Testing

Learn Selenium, TestNG, and CI/CD practices for test automation. Covers installations, WebDriver, locators, advanced web UI automation, data-driven frameworks, Maven, and Jenkins.

Module 5 - Domain Knowledge

Provides industry-specific testing knowledge in Healthcare, Banking & Finance, E-commerce, and People Management domains.

Module 6 - Performance Testing

Covers performance testing tools, load and stress testing, JMeter setup, test plans, monitoring, analyzing test results, and understanding performance metrics.