

**Course title:** Quality Assurance Fundamentals

**Duration:** 30 hours

1. Introduction
2. Software Development Life Cycle, Quality Assurance Engineer Role
3. The Agile Methodology. Introduction to Scrum
4. Software Testing Life Cycle, Different Types of Testing
5. System Testing
6. Software Testing Terminology, End to End Testing
7. Test Plan, Use Case, Test Scenario & Test Case, Requirement Traceability Matrix (RTM)
8. Defects/Bugs. Defects Categorization
9. Final Project
10. JSON and XML Serialization Formats, Introduction to HTTP Requests and API Testing
11. API testing with Postman
12. Final Examination\_practical tasks