

# Agile Automation Testing Training (ICP-ATA Certification)

*COURSE CONTENT*

## GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

Agile Automation Testing Training with ICP-ATA Certification by Multisoft Systems is designed for professionals looking to master agile methodologies within the realm of software testing. This course equips participants with the essential skills to apply agile practices effectively in automation testing environments, fostering quicker adaptation and enhanced problem-solving capabilities.

## Module 1: Test Automation Manifesto

- ✓ Map Test Automation needs to Agile
- ✓ Justify the focus on high automation achievements
- ✓ Address Test Pyramids from all angles for high quality
- ✓ Map automation effort to the Agile Test Quadrants
- ✓ Leverage the 4D of Test-Driven Development (TDD) strategies

## Module 2: Business Test Automation

- ✓ Map test effort to APIs or UI
- ✓ Implement test cases with leading execution patterns
- ✓ Formalize test cases through Acceptance Test-Driven Development (ATDD) cards
- ✓ Code user stories and feature tests with Behavior-Driven Development (BDD)
- ✓ Select the right Coded UI Test (CUIT) patterns
- ✓ Layer UI Tests for better resilience

## Module 3: Technical Test Automation

- ✓ Zoom in on components through design reviews
- ✓ Leverage Object-Oriented (OO) design rules for effective unit test strategies
- ✓ Measure test coverage as a success indicator
- ✓ Protect your code from changes with TDD patterns
- ✓ Recognize leading design patterns for easier test maintenance

## Module 4: Non-Functional Test Automation

- ✓ Use Non-functional Requirements (NFRs) for better planning
- ✓ Break down sub-dimensions for sharp quality assessments
- ✓ Develop multi-dimensional Non-functional (NF) tests with pertinent tools

## Module 5: Continuous Testing and Delivery

- ✓ Integrate testing with the pipeline process

- ✓ Accelerate code promotion through rapid test feedback
- ✓ Configure tests to map the anatomy of a deployment pipeline
- ✓ Invoke code analysis automation at the commit stage
- ✓ Automate testing of the deployment stage