Agile Quality Assurance Training Course

Professional Development Training Course Outline

Category	Quality Assurance and ISO standards	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Agile Quality Assurance Training is an essential framework for organizations aiming to enhance product quality, reduce risks, and deliver value quickly in today?ÇÖs competitive digital environment. By integrating quality assurance within Agile development cycles, teams can ensure continuous improvement, adaptive planning, and faster delivery of customer-centric products. This course is designed to provide participants with advanced knowledge of Agile methodologies, testing strategies, and modern QA practices aligned with industry best standards. The training emphasizes hands-on experience, real-world applications, and practical insights to prepare professionals for dynamic software development landscapes.

This Agile Quality Assurance Training Course focuses on trending topics such as automation, DevOps, continuous integration, continuous delivery, test-driven development, and Agile transformation. Learners will gain in-depth skills in applying Agile testing strategies, improving collaboration between cross-functional teams, and using cutting-edge QA tools. With case studies and interactive modules, this course ensures that participants not only understand Agile QA concepts but are also able to implement them effectively to achieve organizational success and career growth.

Programme Curriculum

Agile Quality Assurance Training Course

Introduction

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Course Objectives

1. Understand the fundamentals of Agile methodology and Agile QA frameworks
2. Apply Agile testing techniques in iterative development cycles
3. Integrate automation testing with Agile processes for improved efficiency
4. Develop effective test strategies for Agile projects
5. Master continuous integration and continuous delivery practices
6. Enhance collaboration between QA, development, and product teams
7. Implement shift-left testing approaches for early defect detection
8. Leverage test-driven development and behavior-driven development techniques
9. Optimize test coverage and quality metrics in Agile environments
10. Use Agile QA tools for real-time reporting and tracking
11. Manage risk and ensure compliance in Agile testing workflows
12. Analyze real-world Agile QA case studies for practical understanding
13. Prepare for Agile QA certifications and career advancement

Organizational Benefits

1. Faster delivery of high-quality software products
2. Improved collaboration across cross-functional teams
3. Reduced development and operational costs
4. Increased customer satisfaction through reliable products
5. Enhanced adaptability to changing business needs
6. Strengthened testing automation and efficiency
7. Early detection and resolution of defects
8. Better alignment with Agile and DevOps practices
9. Competitive advantage through continuous improvement
10. Greater employee skill development and knowledge retention

Target Audiences

1. Quality Assurance professionals
2. Software testers and engineers
3. Agile practitioners and Scrum team members
4. Product managers and owners
5. Software developers
6. IT project managers
7. DevOps engineers
8. Business analysts

Course Duration: 5 days

Course Modules

Module 1: Introduction to Agile Quality Assurance

- Understanding Agile principles and QA integration
- Role of QA in Agile software development
- Key differences between Agile QA and traditional QA
- Agile manifesto and testing relevance
- Agile testing quadrants explained
- Case study: Transitioning from Waterfall to Agile QA

Module 2: Agile Testing Strategies

- Iterative and incremental testing approaches
- Exploratory testing in Agile projects
- Regression testing in sprints
- Collaborative test design
- Test prioritization in Agile environments
- Case study: Building a test strategy for a fintech project

Module 3: Automation in Agile QA

- Benefits of test automation in Agile workflows
- Selecting automation frameworks and tools
- Best practices for test automation scripting
- Continuous testing and automation pipelines
- Challenges and solutions in automation
- Case study: Implementing Selenium in Agile QA

Module 4: Continuous Integration and Continuous Delivery (CI/CD)

- Principles of CI/CD in Agile environments
- Setting up pipelines for QA and testing
- Automated build and deployment processes
- Role of QA in CI/CD pipelines
- Monitoring and reporting in CI/CD
- Case study: CI/CD integration for an e-commerce platform

Module 5: Shift-Left Testing Approach

- Concept and importance of shift-left testing
- Involving QA early in project lifecycles
- Collaboration between developers and QA
- Tools for shift-left testing implementation
- Benefits of defect prevention strategies
- Case study: Reducing defects with early testing

Module 6: Test-Driven and Behavior-Driven Development (TDD & BDD)

- Fundamentals of TDD in Agile QA
- Introduction to BDD frameworks
- Writing effective test cases in TDD/BDD

- Collaboration between testers and developers in BDD
- Automation of acceptance criteria in BDD
- Case study: Implementing BDD in a healthcare project

Module 7: Metrics and Reporting in Agile QA

- Key quality metrics for Agile projects
- Tracking test coverage and defect density
- Real-time dashboards for QA reporting
- Agile metrics for business decision-making
- Importance of continuous feedback loops
- Case study: Using metrics to improve QA in a SaaS product

Module 8: Agile QA Case Studies and Certification Preparation

- Reviewing industry Agile QA success stories
- Challenges in Agile QA transformations
- Best practices from real-world QA projects
- Common pitfalls in Agile QA and how to avoid them
- Preparation for Agile QA certification exams
- Case study: End-to-end Agile QA project review

Training Methodology

- Instructor-led training with interactive lectures
- Real-world case study discussions and group exercises
- Hands-on practice with Agile QA tools and frameworks
- Simulation of Agile testing environments for practical learning
- Continuous feedback and Q&A sessions throughout the course

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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