Agile Quality Management for Dynamic Environments Training Course

22 - 26 Nov 2026

Manama

4400 € (Per Person)

Ref: #QUA7065_235682

Course Introduction / Overview:

In today's rapidly evolving business landscapes, the ability to deliver high-quality products and services swiftly is a critical competitive advantage. Traditional quality management approaches often struggle to keep pace with the iterative and incremental nature of Agile methodologies. This course addresses this challenge head-on by providing a comprehensive framework for embedding quality into every stage of the Agile lifecycle. We will explore how to shift from a reactive, end-of-cycle testing mindset to a proactive, continuous quality culture. Drawing upon the foundational principles of quality management articulated by pioneers like W. Edwards Deming, we adapt his philosophy of continuous improvement to the modern, dynamic environment. Participants will learn practical techniques discussed in seminal works such as "Agile Testing: A Practical Guide for Testers and Agile Teams". At BIG BEN Training Center, we have designed this program to equip professionals with the skills to build robust quality assurance processes that support, rather than hinder, agility and innovation. This training course is not just about testing; it's about engineering quality into the very fabric of your projects and organizational culture, ensuring customer satisfaction and sustainable business success.

Target Audience / This training course is suitable for:

- Quality Assurance Managers and Engineers.
- Project Managers and Program Managers.
- Scrum Masters and Agile Coaches.
- Product Owners and Product Managers.
- Software Developers and Development Team Leads.
- Business Analysts.
- IT and Operations Managers.
- Anyone involved in the software development life cycle (SDLC).

Target Sectors and Industries:

- Information Technology and Software Development.
- Financial Services and FinTech.
- Healthcare and Medical Technology.
- E-commerce and Retail.
- Telecommunications.
- Consulting Services.
- Government and Public Sector Agencies.
- Manufacturing and Engineering.

Target Organizations Departments:

- Quality Assurance and Testing Departments.
- Product Development and Engineering.
- Information Technology (IT) Departments.
- Project Management Office (PMO).
- Research and Development (R&D).
- Operations Departments.
- Customer Support and Service Delivery.

Course Offerings:

By the end of this course, the participants will have able to:

- Integrate quality management principles seamlessly into Agile frameworks like Scrum and Kanban.
- Develop and implement effective Agile testing strategies and techniques.
- Utilize Test-Driven Development (TDD) and Behavior-Driven Development (BDD) to improve code quality.
- Establish meaningful quality metrics and key performance indicators (KPIs) for Agile projects.
- Foster a culture of shared responsibility for quality across development and business teams.
- Conduct effective risk analysis and mitigation for quality within an Agile context.
- Apply continuous integration and continuous delivery (CI/CD) practices to enhance quality assurance.
- Lead and facilitate Agile retrospectives focused on continuous quality improvement.
- Align quality objectives with business value and customer satisfaction.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning in their professional roles. This course moves beyond traditional lectures to create an immersive learning environment. We utilize a blend of expert-led presentations, real-world case study analyses, and collaborative group discussions to explore the nuances of Agile quality management. A significant portion of the training is dedicated to hands-on workshops and simulation exercises where participants will practice techniques like writing user stories with acceptance criteria, planning testing activities within a sprint, and using quality metrics to make data-driven decisions. Role-playing scenarios will help attendees understand the dynamics of cross-functional teams and stakeholder collaboration. Throughout the course, there will be ample opportunity for peer-to-peer learning and sharing of experiences. Our instructors facilitate a supportive atmosphere, providing continuous feedback and personalized guidance to help each participant master the concepts and build confidence in implementing Agile quality practices.

Course Agenda (Course Units):

Unit One: Foundations of Agile and Quality Management

- The Intersection of Agility and Quality.
- Core Principles of the Agile Manifesto.
- Traditional vs. Agile Quality Paradigms.
- Understanding the Cost of Poor Quality in Dynamic Environments.
- The Role of a Quality Mindset in Agile Teams.
- Introduction to Key Agile Frameworks (Scrum, Kanban).
- Stakeholder Collaboration for Defining Quality.

Unit Two: Integrating Quality into Agile Frameworks

- Quality Assurance Roles and Responsibilities in a Scrum Team.
- Embedding Testing Activities into Sprints.
- Defining "Done" with a Focus on Quality Criteria.
- Quality in the Product Backlog and User Story Creation.
- Techniques for Effective Sprint Planning and Review for Quality.
- The Role of the Agile Tester and QA Coach.
- Managing Quality in a Kanban System with WIP Limits.

Unit Three: Agile Testing Strategies and Techniques

- The Agile Testing Quadrants Model.
- Exploratory and Session-Based Testing.
- Introduction to Test-Driven Development (TDD).
- Fundamentals of Behavior-Driven Development (BDD) and Gherkin Syntax.
- Automated Testing Strategies for Agile Projects.
- Performance and Security Testing in an Agile Lifecycle.
- Usability Testing and User Experience (UX) Feedback Loops.

Unit Four: Metrics, Automation, and Continuous Improvement

- Defining and Tracking Meaningful Agile Quality Metrics.
- Using Metrics like Defect Density and Cycle Time for Improvement.
- The Role of Continuous Integration (CI) and Continuous Delivery (CD).
- Building a Robust Test Automation Framework.
- Conducting Effective Retrospectives for Process and Quality Enhancement.
- Root Cause Analysis Techniques for Agile Teams.
- Implementing Kaizen and a Culture of Continuous Improvement.

Unit Five: Advanced Topics in Agile Quality

- Scaling Agile Quality Practices for Large Organizations (SAFe, LeSS).
- Risk-Based Testing and Quality Risk Management in Agile.
- Managing Technical Debt Proactively.
- Building and Sustaining a Culture of Quality Ownership.
- Communicating Quality Status to Stakeholders and Management.
- The Future of Quality Engineering in an AI-driven World.
- Developing a Personal Action Plan for Implementing Agile Quality.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can an organization effectively balance the Agile principle of 'responding to change over following a plan' with the need for consistent, predictable quality standards and compliance requirements?

What unique qualities does this course offer compared to other courses?

This training course distinguishes itself by treating quality not as a separate phase or a single team's responsibility, but as an integral, cultural component of agility. While many courses focus solely on testing tools or specific Agile frameworks, our curriculum provides a holistic perspective, blending strategic thinking with tactical execution. We emphasize the "why" behind the practices, exploring the psychological and organizational shifts required to build a genuine culture of quality ownership. The program uniquely integrates foundational quality principles from thought leaders with modern, practical Agile techniques like TDD and BDD, ensuring participants understand both the theory and its application. Rather than just presenting a list of metrics, we teach how to select and use data to drive meaningful conversations and continuous improvement during retrospectives. The course content is designed to be universally applicable, providing value whether you are in software development, product management, or any other industry facing dynamic operational challenges. Participants will leave not just with a toolkit of techniques, but with a strategic roadmap for transforming their team's approach to delivering excellence in a fast-paced world.