

Agile Master Certified

Course Duration: 24 Hours (1 Day)

Overview

The Agile Master Certified course is designed to empower learners with a comprehensive understanding of Agile methodologies and practices. It begins with an introduction to the concepts and principles that underline Agile, including the Agile Manifesto and its 12 principles, as well as the Declaration of Interdependence. Participants will learn why Agile is a preferred method of project management, especially when compared to traditional Waterfall methods, and how it fosters adaptability and responsiveness to change. The course covers various domains of Agile practices such as Value-driven delivery, Adaptive planning, Team performance, and participatory decision-making, all of which are critical for successful Agile implementation. Additionally, learners will delve into specific Agile frameworks such as Scrum, Kanban, Extreme Programming (XP), and others like DSDM, Crystal, and Feature-Driven Development (FDD), gaining knowledge on their core values, roles, and practices. A comparative analysis of these methods is provided to help participants identify the most suitable Agile approach for their specific context. By completing the Agile Master Certified course, learners will be well-equipped with the skills and knowledge to effectively participate in or lead Agile projects, enhancing their ability to contribute to continuous improvement and stakeholder engagement in a rapidly changing environment.

Audience Profile

The Agile Master Certified course equips professionals with comprehensive Agile methodologies and practices to enhance project management and delivery.

- Project Managers
- Product Managers
- Software Developers
- Software Testers
- Team Leaders
- Business Analysts
- Designers
- Quality Assurance Managers
- IT Managers
- Development Managers
- Executives/Leaders in IT
- Agile Team Members
- Scrum Masters
- Scrum Team Members
- Aspiring Agile Coaches
- Process Coaches and Mentors
- Anyone involved in software project delivery

Course Syllabus

Introduction

Agile Overview

- AGILE Defined
- Why use Agile?
- Adaptive Project Management
- The Agile Manifesto
- Principles of the Agile Manifesto
- Declaration of Interdependence
- What has changed?
- Difference between Waterfall and Agile

Domains of Agile Practices

- Value-Driven Delivery
- Adaptive Planning
- Team Performance Practices
- Agile Tools and Artifacts
- Participatory Decision Models
- Stakeholder Engagement
- Continuous Improvement

Lean Kanban Software Development

- Introduction
- Core Values

Understanding Lean Software Development

- Introduction
- Core Values
- Practices of Lean Software Development
- Iterative Development

Understanding Kanban

- Kanban in software development
- Kanban Values
- Kanban Practices
- Definition of Lean Kanban
- Implementing Lean Kanban

Scrum

- Overview of Scrum
- Brief History of Scrum
- Why Use Scrum?
- Scalability of Scrum
- Scrum Principles
- Scrum Aspects

- Scrum Processes
- Scrum and Kanban

Extreme Programming

- Core Values
- Roles
- Practices
- XP release
- XP Artifacts
- Adopting XP
- XP Events
- Iteration

Test-Driven Development

DSDM

- Core Values
- Roles
- Practices

Crystal

- Core Values
- Roles
- Practices
- The Process

Feature Driven Development

- Core Values
- Roles
- Practices
- The Process

Comparison of Agile Methods

Best Fit Analysis Tool