

KOENIG SOLUTIONS · COURSE OUTLINE

Agile Master Certified

Learn Agile principles and frameworks such as Scrum, Kanban and Extreme Programming to plan, deliver and improve projects.

1 Day

24 HOURS

14

MODULES

53

TOPICS

COURSE 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.

WHO THIS COURSE IS FOR

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

What You Will Learn

- Explain the Agile Manifesto and its underlying principles
- Compare Agile and Waterfall approaches to project management
- Describe domains of Agile practice such as value-driven delivery
- Apply adaptive planning and team performance practices
- Identify core values and practices of Lean and Kanban
- Analyse Scrum principles, aspects and processes
- Describe roles and practices in Extreme Programming, DSDM and Crystal
- Compare Agile methods to select a best-fit approach

COURSE SYLLABUS

14 Modules, 53 Topics

01

Introduction

02

Agile Overview

TOPICS

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

03

Domains of Agile Practices

TOPICS

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

04

Lean Kanban Software Development

TOPICS

Introduction · Core Values

05

Understanding Lean Software Development

TOPICS

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

06

Understanding Kanban

TOPICS

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

07

Scrum

TOPICS

Overview of Scrum · Brief History of Scrum · Why Use Scrum? · Scalability of Scrum · Scrum Principles · Scrum Aspects · Scrum Processes · Scrum and Kanban

08

Extreme Programming

TOPICS

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

09

Test-Driven Development

10

DSDM

TOPICS

Core Values · Roles · Practices

11

Crystal

TOPICS

Core Values · Roles · Practices · The Process

12

Feature Driven Development

TOPICS

Core Values · Roles · Practices · The Process

13

Comparison of Agile Methods

14

Best Fit Analysis Tool

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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