

AGILE PROJECT MANAGEMENT PROFESSIONAL

TRAINING COURSE OUTLINE



Overview

The Agile Project Management Professional training course is specifically designed to help you learn how to apply Agile project management principles and the Scrum framework to create intensive service/products. Through immersive workshop activities you acquire the practical knowledge and skills to plan, manage and execute Agile development projects.

Duration

3 – days workshop.

Learning Objectives

You Will Learn How To:

- ❖ Deliver business-valued service, product to your customer in less time
- ❖ Develop higher-quality service products at lower cost
- ❖ Mitigate uncertainty and risk by applying Agile values and principles
- ❖ Apply the Scrum framework to meet business needs
- ❖ Focus on continuous process improvement through embedded learning in the workplace

Target Audience

This course is intended for those as below:

- ❖ Project and program managers
- ❖ Software architects
- ❖ Systems analysts
- ❖ Team leaders
- ❖ Developers
- ❖ and anyone interested in applying Scrum and Agile methodologies.

Training contents

Day 1:

Module 1: Traditional Development

- ❖ The challenges of traditional project
- ❖ The assumptions of traditional development
- ❖ The weakness of traditional development method

Module 2: Introducing Agile Principles

- ❖ Defining Agile values and principles
- ❖ Agile development processes philosophies
- ❖ Advantaging and disadvantages of Agile
- ❖ Agile methods

Module 3: Defining the Scrum Framework

- ❖ Defining the core Scrum Framework
- ❖ Core Scrum team, artifacts and ceremonies
- ❖ Adapting traditional business process to Scrum
- ❖ Applying core Scrum Values
- ❖ Benefits of Scrum
- ❖ Challenging of Scrum

Exercise: (Requirement Problem, Artifact preparation, Backlog preparation and Product requirement development)

Day 2:

Module 4: Scrum Roles and Responsibilities

- ❖ Chicken and Stakeholders role
- ❖ Scrum Master role and responsibilities
- ❖ Product Owner role and responsibilities
- ❖ Development Team role and responsibilities

Module 5: Simulating the Core Scrum Artifacts and Ceremonies

- ❖ Creating and Refining the Product Backlog
- ❖ Decomposing Epics into features and stories
- ❖ Implementing and Monitoring the Sprint Backlog
- ❖ Defining the Definition of Done
- ❖ Setting goals and choosing user stories

- ❖ Holding the Sprint Planning meeting
- ❖ Creating tasks for the sprint backlog
- ❖ Hosting the Daily Scrum
- ❖ Leading Sprint Reviews
- ❖ Facilitating successful Sprint Retrospectives
- ❖ Canceling Sprint

Module 6: Estimating and Prioritizing Product Backlog Items

- ❖ Sizing user stories
- ❖ Estimating effort and business value level through relative measurement
- ❖ Ranking product backlog item priority at the release, product and project level
- ❖ Utilizing MoSCoW and other prioritization techniques
- ❖ Identifying high-priority items for sprint planning

Exercise: (Product development, Sprint planning meeting, Estimation, Daily meeting, Product refine meeting)

Day 3:

Module 7: Creating User Stories

- ❖ Key Principles for Agile Requirements
- ❖ Writing users stories with the context format
- ❖ Evolving product requirements
- ❖ Applying INVEST focus user stories
- ❖ Developing products with progressive elaboration
- ❖ Breaking user stories into tasks
- ❖ Defining appropriate acceptance criteria

Module 8: Testing on Agile

- ❖ The different of testing on agile
- ❖ Testing in agile
- ❖ Challenging in Agile Testing
- ❖ Strategy and automation build

Module 9: Applying Agile throughout Your Organization

Scaling for large projects

- ❖ Scaling impact and consideration in practices

- ❖ Working with large Product Backlogs
- ❖ Scaling the Product Owner role
- ❖ Coordinating component teams with Scrum Development Teams

Managing distributed development

- ❖ Distributed Scrum
- ❖ Ensuring effective communication across time zones
- ❖ Overlapping period versus no overlapping period
- ❖ Best practices of distributed Scrum
- ❖ Challenges in Distributed and Scaling SCRUM

Module 10: Agile for Manager

- ❖ Agile Manager characteristics
- ❖ Challenging of traditional approach
- ❖ Agility means that things will be done differently
- ❖ Agile approach to increase ROI and employee motivation
- ❖ Plan versus Business Value
- ❖ Transitioning from a traditional to an Agile approach

Final exam

Exercise: (Finalize product, Sprint review, retrospective meeting, final product demo)

APEX
GLOBAL