

# 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)*

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