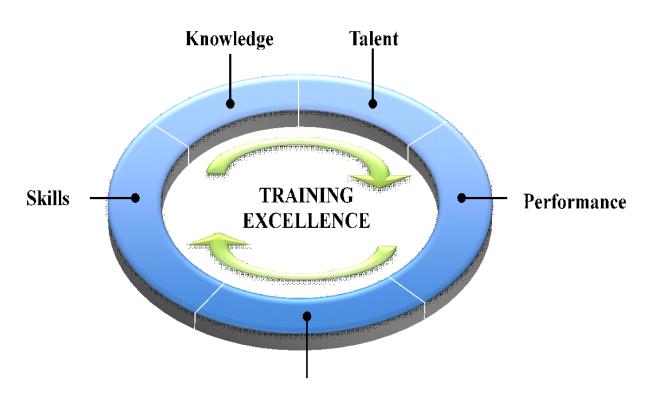


AGILE PROJECT MANAGEMENT PROFESSIONAL

TRAINING COURSE OUTLINE



Real Life Experience



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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



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- ❖ 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



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- ❖ 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



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- ❖ 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)

