Arabian Institute For Training

Agile Project Management Preparation for Agile Certified Practitioner (PMI-ACP)®

Why Attend

- The overall aim of this course is to provide participants with the skills needed to manage knowledge-based projects and to apply agile project management methodologies. Participants in this interactive course will learn all the critical tools and techniques required to manage projects using agile practices which are necessary to pass the PMI-ACP® (Agile Certified Practitioner) certification exam.

Course Methodology

- This course relies on the use of individual and group exercises aimed at helping participants learn all key activities for agile project management. The course also relies on the use of a number of case studies and presentations by participants followed by group discussions. In addition, this course incorporates pre and post testing.

Course Objectives

By the end of the course, participants will be able to:

- Define agile project management frameworks, processes and methodologies and understand the agile mindset and the value-driven delivery
- Apply agile tools and techniques in compliance with the Project Management Institute (PMI) standards
- Engage the agile project stakeholders through the establishment of an active dialogue to identify potential issues, risks and defects
- Explain the roles and responsibilities for each member of the team and build a high-performance agile team
- Implement adaptive planning on the agile project to enable the team to respond to changes effectively
- Incorporate continuous improvement to agile projects through process analysis and process tailoring
- Apply for the certification examination in order to take the PMI-ACP Exam

Target Audience

- Personnel who are seeking in-depth knowledge of agile project management. The course is also designed to provide comprehensive understanding of the practices, tools and techniques used to effectively respond to changes in their project within the agile framework. Our institute has been reviewed and approved by the PMI® Authorized Training Partner Program. This course is worth 30 Professional Development Units (PDUs).

Target Competencies

- Project management
- Agile project management
- Team performance
- Value-added delivery
- Adaptive planning
- Problem solving
- Continuous improvement

Agile principles and mindset

- Core principles of agile project management
- The agile manifesto - the four values
- Agile value proposition
- Traditional versus agile project management
- Agile methodologies:
- Scrum
- Extreme Programming (XP)
- Lean product development
- Kanban
- Agile leadership

Value-driven delivery

- Assessing value
- Prioritizing schemes:
- MoSCoW
- Monopoly money
- Dot voting
- Kano analysis
- Requirements prioritization model (Karl Wiegers)
- Minimal value product
- Little's law
- Agile contracting
- Continuous integration
- Test-Driven-Development (TDD)

Stakeholders engagement

- Principles of stakeholders engagement
- Agile modeling
- Wireframes
- Personas
- Communicating collaboratively
- Using critical interpersonal skills
- Participatory decision making

Team performance

- Agile team roles
- Building and maintaining high performance teams
- Models of team development
- Training, coaching and mentoring
- Creating collaborative work spaces
- Distributed teams
- Tracking team performance (burn charts, cumulative flow diagrams, velocity)

Adaptive planning

- Progressive elaboration
- Value-based decomposition
- Timeboxing - the control of chaos
- User story (product) backlog
- Sizing tools for high level planning (affinity estimating, t-shirt sizing)
- Story maps
- Product roadmaps
- Release and iteration planning
- Daily standups

Problem detection and resolution

- Understanding problems
- Cycle time, WIP and throughput
- Managing threats and issues
- Creating a risk-adjusted backlog

Continuous improvement

- Process tailoring
- Value stream mapping
- Retrospectives

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