

PMI Agile Certified Practitioner (PMI-ACP) ®

Objectives

- Prepare the participants for the PMI-ACP Certification.
- To impart sufficient knowledge and skills to the participants so that they can start practicing the agile project management methodology at their work place.

Who should attend

If you work on agile teams or if your organization is adopting agile practices, the PMI-ACP is a good choice for you. Compared with other agile certifications based solely on training and exams, the PMI-ACP is evidence of your real-world, hands-on experience and skill.

Duration

Provide 24 contact hours of instructor led training credits to the participants

Exam Eligibility

- 2,000 hours of general project experience working on teams. A current PMP® or PgMP® will satisfy this requirement but is not required to apply for the PMI-ACP.
- 1,500 hours working on agile project teams or with agile methodologies. This requirement is in addition to the 2,000 hours of general project experience.
- 21 contact hours of training in agile practices.

Topics Covered:

- Overview of agile project management
 - Agile manifesto
 - Popular agile methodologies
 - Agile principles and practices
 - Quick overview of the agile practices using scrum
- Understanding the key roles and artifacts of scrum
 - Scrum master (Agile project manager)
 - Product owner
 - Team members
 - Product backlog
 - Sprint planning meeting
 - Sprint backlog
 - Tracking board
 - Sprint demo
 - Retrospectives
- Understanding user stories
 - The anatomy of a user story
 - User story development techniques
 - Story points
 - Ideal time
 - Wide band delphi
 - Playing poker

- The sprint planning meeting
 - The sprint planning meeting time box
 - Feature prioritization
 - The tracking board
 - Definition of done
 - Load balancing
- Sprinting
 - Self organized teams
 - Work volunteering
 - Daily stand up meetings
 - Burn down chart updation
 - Sprint demo meetings Continuous improvement process
 - Velocity
 - Sprint retrospectives
 - Scaling scrum
 - Co-located and distributed teams
- Best practices and concepts
 - Agile tooling
 - Osmotic communications for co-located and distributed teams
 - WIP limits
 - Cumulative flow diagram
 - Process tailoring
 - Affinity estimating
 - Product road map
 - Story maps
 - Wire frames
 - Chartering
 - Frequent verification and validation
 - Test driven development / test first development
 - Continuous integration
 - Project charter for an agile project
 - Participatory decision models
 - Process analysis techniques
 - Self-assessment
 - Value based assessment
- Soft skills
 - Negotiation
 - Emotional intelligence
 - Collaboration
 - Adaptive leadership

- Conflict resolution
- Servant leadership
- Building high performance teams
- Value based prioritization
 - Return on investment (ROI)
 - Net present value (NPV)
 - Internal rate of return (IRR)
 - Compliance
 - Customer valued prioritization
 - Minimally marketable feature (MMF)
 - Relative prioritization / ranking
 - Business case development
- Agile implementation
 - Agile contracting methods
 - Agile project accounting principles
 - Applying new agile practices
 - Compliance (Organization)
 - Control limits for agile projects
 - Failure modes and alternatives
 - Globalization, Culture and team diversity
 - Innovation games
 - Principles of systems thinking (complex, adaptive, chaos)
 - Regulatory compliance
 - Variance and trend analysis
 - Vendor management