

## 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