AGILE Project Management for (PMI-ACP)® Certification

Objective:

AGILE have been well-established, at the global level, as a matured application development framework and have received growing acceptance in the APAC region. PMI® has introduced the PMI-ACP certification to support this movement. This course's objective is to introduce the audience to AGILE with a structure that aligns to the PMI-ACP examination, and provide the 21 training hours required for the PMI-ACP registration. This course uses SCRUM methodology to illustrate the AGILE framework since the majority of the AGILE projects was implemented using SCRUM.

The key differentiator of this training from courses offered by other providers is that the body of knowledge will be illustrated by real-life tools and scenarios based on instructor's working experience in multi-year regional projects. There will be group discussions and exercises throughout the workshop for participants to apply skills and techniques to simulated project environment. As a result, the audience will gain a more solid understanding of the AGILE approach.

Who Should Attend:

The course's target audience is relatively new to AGILE and is interested learn and apply AGILE to their projects. In addition, the audience will be prepared to gain PMI-ACP certification. The audience ranges from experienced IT developer or junior PM looking for an exposure to the methodology, or an experienced PM from the traditional waterfall methodology looking for an exposure to the iterative approach in AGILE.

Format: 60% lecture, 40% hands-on exercise

Contact Hours: 24 hours (24 PDUs for certified PMP)

Comments from Participants:

Overall rating is 4.5 out of 5.
"Exercises are good for understanding the Agile concept."
"The materials are sufficient. The exercises helped us experience the practical aspects of the topic. The speaker encouraged discussion to study the topic in depth."
"Practices are very good tools to illustrate the key theme."

Training Topics:

Day 1

1. Foundation concept
   o AGILE: The framework
     ▪ The history that shapes the framework
     ▪ AGILE Manifesto and Principles
   o SCRUM: The methodology
     ▪ Artifacts: Product Backlog, Sprint backlog, Scrum Board, Burn-down chart
     ▪ Roles: Product Owner, Scrum Master, Development Team
     ▪ Processes: Product refinement, SPRINT planning, Daily stand-up, Sprint review, Retrospective
2. Skills: Requirement specifications
   o User story
   o Specifications by example
   o Definition of Done
   o Product backlog
   o Exercises
3. Skills: Planning
   o Estimations
   o Iterative planning
   o Team-task assignments
   o Dependencies: identification and tracking
   o Product roadmap
   o Exercises

Day 2

4. Skills: Tracking and measurement
   o Product refinement
   o SPRINT Demonstration
   o Burn-down chart
   o Velocity
   o Team exercise
5. Skills: Risk Management
   o Daily stand-up
   o Product refinement
   o SPRINT demonstration
   o Team exercise
6. Skills: Improvements
   o Self-Organizing teams and empowerment
   o Regular retrospective
   o QA approach: Test Driven Development
   o Team exercise
7. Challenges
   o Knowledge management and sharing
   o Cross-location team management
   o Integration with Waterfall approach and PMO

Day 3

8. PMI-ACP certification
   o Certification process

- o AGILE-based methodologies
  - o Kanban development
  - o Feature driven development
  - o Lean development
  - o Crystal
  - o Dynamic Systems Development Method
  - o Scrum
  - o Extreme programming
- o Preparation: Key resources on books and on-line references
- o Preparation: Self-study guide
- o Mock exam practices

Instructor Profile:

King-Lam Ying

A seasoned Project Manager with over 20 years of working experience in the Financial Industry and has worked as Vice President in global investment banks like Goldman Sachs, JP Morgan, and UBS. Mr. Ying has a successful track record in delivering projects across Asia including regional trade confirmation and settlement systems, regional accounting systems in Singapore and Japan, and industry-wide initiatives like the Y2K certification.

Mr. Ying is an advocate of AGILE methodology, having spent several years working in SCRUM-based AGILE projects in implementing regional systems in the APAC region. Since his successful transition to AGILE methodology in 2008, from the traditional waterfall-based approach, Mr. Ying has worked in SCRUM environment distributed across Hong Kong, Mainland China and India. He performed the role of Product Owner in the SCRUM teams, representing the user community and ensuring the systems deliverables were business-oriented.

Mr. Ying has a BA degree with Major in Information Technology, and a MBA degree at HKUST. His AGILE and SCRUM credentials include PMI-ACP, Certified Scrum Master (CSM) and Certified Scrum Professional (CSP).

PMI-ACP Credential Information

Eligibility:	Degree holders +
	<u>2,000</u> hours (12 months) of project experience within the last 5 years +
	<u>1,500</u> hours (8 months) working on projects using AGILE methodologies within the last 3 years
AGILE Project Management Education	<u>21</u> contact hours of formal education in AGILE project management
Exam Fee:	PMI® members - US$435; Non members – US$495

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