



Agile Methodology in Project Management

PIK253-0525 LON-2



Place: London (UK)

Venue:

Start Date: 05-05-2025

End Date: 16-05-2025

PPP: £5550



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**If you can't train them,
you can't blame them!**

Short Description:

Agile project management, widely used for software development, is increasingly recognised as having much more general application. Construction Projects as well as Continuous improvement programs, Business Change Projects, New Technology Development, Research and Development and a variety of other scenarios characterised by rapid change and high uncertainty can all benefit from an Agile approach. This program will present the concepts and methods of Agile project management in a generic way and show how to apply them to a range of Construction Projects situations.

Course Overview:

Objectives:

- Review the fundamentals of project and change management and show where Agile Construction Projects fits in.
- Present the 4 values and 12 principles of the Agile 'manifesto' and describe a range of Agile methodologies.
- Show how Agile project management methods and techniques can be applied generically in a range of project scenarios.
- Illustrate alternative Agile project management methods and explain how they can be applied and adapted in Construction Projects.
- Present a wide range of powerful tools and techniques that can help Agile project teams succeed.
- Describe the key roles and responsibilities needed to enable Agile project teams to work effectively.
- Discuss the challenges of developing an Agile mind-set within the organisation and moving toward an Agile approach to managing projects in Construction Projects.

Methodology:

Participants will learn through a range of teaching and personal development methods including presentations, tutorials, real life case studies, Construction Projects worked examples, short team exercises and video presentations. Active participation and involvement will be encouraged throughout the programme to promote

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the sharing of ideas and expertise within the group.

Program Outline:

Day 1: Introduction to Agile Project Management

1. Overview of 'classical' project management and methodologies.
2. The link between project success and management performance.
3. Limitations of classical approaches and the need for Agile method.

Day 2: Application of the Agile approach in Construction Projects

1. The 4 values and 12 principles of the Agile manifesto explained.
2. The cultural challenges of using Agile project management.
3. Choosing when and how to adopt Agile project management.

Day 3: Defining Project Scope

1. Some key Agile methodologies explained: SCRUM, XP, Crystal.
2. Identifying and engaging Construction Projects stakeholders; defining roles and responsibilities.
3. Setting the project vision and goals; defining project scope.

Day 4: Initiating Projects

1. The Agile approach to requirements captures and elicitation of needs.
2. Tools and techniques for capturing and characterising requirements.
3. The role of documentation, reporting and process management.

Day 5: The Agile approach to definition and planning

1. Understanding Agile planning; the 'planning onion' concept.
2. Developing the culture needed for collaborative involvement and iterative planning.
3. Defining project deliverables; the 'product backlog' concept.

Day 6: Forecasts and Uncertainties in the Agile Approach

1. Tools and techniques for defining and prioritising requirements in Agile projects.
2. Understanding and applying Agile estimating techniques in Construction Projects.
3. Dealing with uncertainty and managing risks.

Day 7: The Agile approach to execution and delivery

1. The results orientated, fast adapting culture of Agile teams.
2. The monthly 'Sprint' process for project planning and review.
3. The disciplines needed for effective daily SCRUM meetings.

Day 8: Assessment in the Agile Approach

1. Reviewing progress, managing change and project reporting.
2. Testing, completing and handing over of work packages.
3. Managing the interface between the project team and the business.

Day 9: Construction Projects Teamwork in the Agile approach

1. Why Agile teams are different: the importance of individuals and interactions.
2. The skills and attributes needed to lead an Agile project team in Construction Projects.
3. The challenges faced and skills needed by Agile team members.

Day 10: Construction Projects Leadership in the Agile Approach

1. Recognising team development needs; adopting the right leadership style.
2. Making the transition from project manager to Agile coach.
3. Key coaching skills explored: mentoring, facilitating, managing conflict.