Agile Methods for Project Management: Understanding the Approach

Hands-on course of 2 days - 14h
Ref.: MAG - Price 2024: €1 550 (excl. taxes)

THE PROGRAMME

last updated: 01/2018

1) Introduction

- Approaches more adapted to new technologies.
- Communication. Competence and commitment of resources.
- Iterative and incremental life cycle. Change acceptance Panorama.
- Presentation of the main agile methods: Crystal Clear, XP, Scrum, FDD, DSDM, RAD, ASD.

2) eXtreme Programming

- Best development practices. Quality.
- Define the context of use. Measure and establish the requirements for success.
- A continuous project process. Design, validation and continuous integration. Development and delivery iterations.
- A constant feedback. Test-driven development. Planning with customer scenarios.
- The client integration. Pair programming.
- Assessment of costs and deadlines. Estimation of scenarios. Individual and team velocity.
- Actors. Roles and responsibilities.
Case study : Scenarios description by user's stories.

3) Scrum

- Features. Actors and roles. Product Owner. ScrumMaster.
- Product Backlog. Stories, features, sprint backlog, tasks.
- Evaluate of the size of the stories : planning poker. Assessing the amount of work.
- Planning a release, planning a sprint. Review, retrospective.
- Monitoring: update sprint and release burn down chart.
- The meaning of the finish for a release, a sprint.
- Adaptation of scrum context. Subcontracting. Tools.
Case study : Achieve the sprint 0: identify features. Estimate the size of the stories : planning poker. Build a release plan. Develop a sprint backlog.

4) Software engineering and RAD (Rapid Application Development)

- Programming: Test-driven development, simple design and redesign.
- Collaboration: pair programming, collective code responsibility, coding rule, metaphor, continuous integration.
- RAD : the origin of agile methods. Key concepts: time box, participatory approach, actors.
- DSDM, an evolution of the RAD method.

5) Synthesis

- Agile answers to project risks.
- The success factors of an agile project.

DATES

REMOTE CLASS
2025 : 27 Feb, 22 May, 21 Aug,
20 Nov