

Agile Software Development & CMMI®

Agile practices and CMMI® process areas are often perceived as contradicting each other. This forces organizations to choose between agility – which allows fast adaptation to a changing environment, and process standardization – which helps to coordinate large undertakings and organizational development. This training aims to show that an effective combination of these two approaches is possible.

During this two-day course participants will learn and practice agile techniques in the context of Extreme Programming and Scrum methodologies. The approaches presented relate to CMMI® process areas such as requirements development and management, project planning, monitoring & control, and others. Examples, exercises and case studies will help to illustrate how agile methodologies can support CMMI® implementations.

Course Contents

- The Agile Manifesto in the light of CMMI®
- CMMI-DEV as a model for best practices in software development
- Major Agile techniques and their relation to CMMI® process areas, including discussion of the following:
 - Incremental software delivery and adaptive project management
 - Product backlog; definition, estimation and prioritization of user stories; planning poker
 - Project planning on multiple levels
 - Project execution and monitoring; burn-down charts, daily stand-up meetings
- Self-organizing team(s)
- Change management
- Is it possible to standardize agile processes?
- CMMI® appraisals in practice; collecting evidence in an agile environment

Course Objectives

The course aims to teach participants how to adapt agile practices to process based on CMMI® improvements. Numerous examples, exercises and case studies will enable participants to learn and understand:

- The main agile practices
- The architecture of the CMMI®, i.e. maturity/capability levels, process areas, goals, generic and specific practices
- The relationship between agile practices and CMMI®
- How structured processes support software development
- Why continuous process improvement is mandatory for effective software development
- How agile practices can support CMMI® implementation
- CMMI® appraisal methods
- How to apply agile techniques efficiently to ensure compliance with the CMMI®

Target Group & Prerequisites

Target Group: Development executives, development managers and line managers, Quality engineers, Project managers, People responsible for the definition and improvement of software development processes and all others interested in the CMMI® model and agile practices.

Prerequisites: A basic knowledge of the CMMI®, project management, and system and software engineering is helpful, but not a must. Participants should possess a basic understanding of the Scrum framework. This knowledge could be acquired by participating in Scrum projects or through personal study.

Course Price & Duration

- Course Price: € 990* per Person
We grant a 20% discount from the second participant onward of the same company
- Course Duration: 2 Days, 9.00 - 17.00 h
Including an attractive evening event on first day.

For the actual course datas and times please refer to our webpage: www.kuglermaag.com/trainings

Contact

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