Agile Introduction

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1. Course Description:

In project management one of the most important developments in recent years is the emergence of Agile frameworks in software development. The primary reason for this is the need for consistent delivery of high priority requests. Scrum is the most widespread practice in Agile project management. This methodology uses short time-boxes (work confined in regular, repeatable work cycle) like a sprint (or iteration) in Scrum to allow customers to have a tangible and objective view of a product's progress. This way of working is becoming increasingly popular and are being used in other areas.

Adherence to the Agile method is in vogue in many organizations. This way of developing software or managing projects is based on four fundamental values: the advantage of teamwork (privileging individuals and their interactions), the development of operational applications, collaboration with customers and adaptation to changes.

This one-day training aims to learn the four agile values and their application in a SCRUM context (framework for complex projects). The training also aims to present the principles of the Agile Manifesto as well as the use of project management tools and organizational impact assessment in an Agile transformation.

2. Audience:

Primary
- Professionals working (or beginning to work) in Agile environments
- Project managers
- Software developers

Secondary
- IT Service Management Professionals
- Business managers
- Professionals interested in developments in IT and Project Management

3. Learning Objectives:

At the end of the course, you will have demonstrated an understanding of:
- The agile values to be implemented within an organization
- The principles of the agile manifesto
- The Kanban concept
- The LEAN concept
- Distinguishing between the different roles, events and artefacts of SCRUM
- Recognizing the different ways of monitoring the progress of a project
- Identifying organizational impacts to better manage organizational changes.

4. Benefits of Taking This Course:

Learners will be able to apply the following in practice:
- **Customer satisfaction**: Agile Scrum facilitates changing customer requirements. The flexible way of working allows for changing demands and new features. Changes can easily be facilitated, without disrupting the project flow or affecting the team's morale.

- **Transparency**: one of the Agile Scrum principles is active 'user' and/or product owner involvement. The progress, status, changes are all visible so that it is clear at all times what the end product will be like. This way, expectations are effectively managed.
- **High Quality & Low Risk**: testing is integrated throughout the project so that any quality issues can be detected and addressed at an early stage. The Sprints are followed by a review which allows the team to reflect on the previous sprint and discuss improvements for the next. This allows for adjustments according to the client's wishes.

5. Prerequisites:

There are no formal prerequisites; however, it is recommended that learners have experience in the IT domain

6. Course Materials:

You will receive the following as part of this course:
- A participant handbook book (eBook) with the slides

7. Agenda:

Day 1
1. Introduction to the Agile Manifesto
2. The four values of Agile
3. Principles of the Agile Manifesto
4. Kanban
5. LEAN
6. SCRUM

8. Course Outline:

Module 1 - Introduction to the Agile Manifesto
- Module objectives
- Definition of agile
- The 2 approaches
- Module summary

Module 2 - The four values of Agile
- Module objectives
- The 4 values of the agile manifesto
- Module summary
- End of module questions

Module 3 - Principles of the Agile Manifesto
- Module objectives
- The principles of the agile manifesto
- Rewarding solutions
- Module summary
- End of module questions

Module 4 - Kanban
- Module objectives
- Definition of Kanban
- The Kanban board
- 5 steps to create a Kanban board
- Module summary
- End of module questions

Module 5 - LEAN
- Module objectives
- Definition of LEAN
- 7 wastes to avoid in a LEAN process
- 7 LEAN tools
- Module summary
- End of module questions

Module 6 - SCRUM
- Module objectives
- Definition of SCRUM
- The 3 pillars of the SCRUM method
- The main roles of the SCRUM team
- SCRUM events
- The key principles
- The advantages of SCRUM
- Challenges
- Module summary
- End of module questions

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