Project Management For Software Development

Course: **00015**

Filter: **Beginner**

Duration: **3 days**

Category:: **Project Management**

Price: **3000,00 €**

About Course

Effectively manage your software development efforts by selecting the correct development life cycle, creating realistic plans, and managing a team through each project phase. In this training course, you use a realistic case study to develop ideas, practice key concepts, conduct a kick-off meeting, define successful software projects, analyze projects from a team perspective, and make estimations.

What you'll learn

- Deliver successful software projects that support your organization's strategic goals
- Adjust your management style to reflect the chosen software development life cycle (SDLC)
- Construct a work breakdown structure that addresses real-world management challenges
- Create a network diagram showing task dependencies

Pre-requisites

None

Curriculum

Module 1: Conducting a Project Kick-Off Meeting

- Where the project fits in the business
- How this fit influences your chances of success
- Identifying stakeholders and their needs
- Developing strategies to manage involvement
- What success looks like
- Making the team's success visible
- Managing the project to build customer confidence

Module 2: Balancing Development Needs with Organizational Expectations

- Comparing SDLC models
- How to identify the right model
- Analyzing strengths and weaknesses of Traditional vs. Iterative vs. Agile (e.g., XP, Scrum)
- Mapping your PM process to your project's SDLC
- Optimizing time, cost, function and quality

Module 3: Translating Stakeholder Needs into Actions

- Providing initial top-down estimates
- Identifying tasks and phases using a WBS
- Calculating realistic bottom-up estimates
- Sequencing tasks into a network diagram
- Constructing Gantt charts to assess resource needs
- Identifying resource needs using your plan
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- Delegating work effectively
- Testing the plan before you begin
- Assessing the project using risk management
- Involving the team in planning
- Building confidence for your plan
- Selling the plan to relevant stakeholders
- Running the Project: Day-to-Day Decisions for Success
- Putting theory into practice
- Early warning signs
- Building team commitment

- Day-to-day tracking and management
- Measuring progress with milestones
- Defect detection and prevention
- Analyzing how the SDLC drives deliverables
- Pressures to expect at each stage
- The major stages and how they relate
- Determining the working practices in traditional, iterative and
- Agile developments that offer the greatest impact
- Getting technical teams to work collaboratively
- Engaging the team in the planning process
- Empowering team members
- Managing the stages of team development appropriately

Module 4: Driving the Implementation: Recognizing and Overcoming Challenges

- Measuring software progress
- Linking progress to success
- Principles of change control
- The value of configuration management
- Analyzing project risk
- Changing the risk profile
- Planning for contingency

Module 5: Closing the Project: Learning from Experience

- Sharpening your project management skills
- Influencing the continuous improvement process of your organization