

# PROJECT MANAGEMENT FOR SOFTWARE DEVELOPMENT

Course number : 115

## Overview

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

## Who should attend

## Pre-requis

## Outline

### [Conducting a Project Kick-Off Meeting](#)

#### **The business reasons for the project**

- Where the project fits in the business
- How this fit influences your chances of success

#### **The project customers**

- Identifying stakeholders and their needs
- Developing strategies to manage involvement

#### **The project objectives**

- What success looks like
- Making the team's success visible
- Managing the project to build customer confidence

## Balancing Development Needs with Organizational Expectations

### **Selecting software development life cycle models**

- Comparing SDLC models
- How to identify the right model
- Analyzing strengths and weaknesses of Traditional vs. Iterative vs. Agile (e.g., XP, Scrum)

### **Designing a road map for your project**

- Mapping your PM process to your project's SDLC
- Optimizing time, cost, function and quality

## Translating Stakeholder Needs into Actions

### **Structuring content for your software project plan**

- 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

### **Getting the right resources**

- Identifying resource needs using your plan
- Delegating work effectively

### **Reality check for your project plan**

- 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

### **Focusing on the project management process**

- Putting theory into practice
- Early warning signs

- Building team commitment
- Day-to-day tracking and management
- Measuring progress with milestones
- Defect detection and prevention

### **Characterizing the software development process**

- 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

### **Building successful teams**

- Getting technical teams to work collaboratively
- Engaging the team in the planning process
- Empowering team members
- Managing the stages of team development appropriately

## **Driving the Implementation: Recognizing and Overcoming Challenges**

### **Tracking and control**

- Measuring software progress
- Linking progress to success

### **Implementing change control**

- Principles of change control
- The value of configuration management

### **Controlling risk**

- Analyzing project risk
- Changing the risk profile
- Planning for contingency

## **Closing the Project: Learning from Experience**

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

Schedule

Location Dates Status

Tuition

IN CLASSROOM OR ONLINE PRIVATE TEAM TRAINING

STANDARD \$3895

[Contact Us »](#)

GOVERNMENT \$3895

FAQ

Certification