

Software Project Management

Learn to plan, run and close software projects, from kick-off and stakeholder needs to risk control and continuous improvement.

6

MODULES

47

TOPICS

COURSE OVERVIEW

This course covers conducting a project kick-off meeting, including identifying stakeholders and defining project objectives, and balancing development needs with organisational expectations through comparison of Traditional, Iterative and Agile life cycle models. It then addresses translating stakeholder needs into a structured project plan, using estimates, work breakdown structures, network diagrams and Gantt charts, and securing the right resources. It covers running the project day to day, tracking progress, detecting defects and building successful teams, before driving implementation through change control, configuration management and risk control. It closes with sharpening project management skills and feeding lessons into an organisation's continuous improvement process.

WHO THIS COURSE IS FOR

Project Managers

Team Leads

Software Developers

Scrum Team Members

Project Coordinators

LEARNING OBJECTIVES

- Identify stakeholders and define measurable project objectives
- Compare Traditional, Iterative and Agile life cycle models
- Apply a work breakdown structure to plan project tasks
- Construct network diagrams and Gantt charts for scheduling
- Assess project risk and plan contingency responses
- Explain principles of change control and configuration management
- Build collaborative and effective project teams
- Evaluate lessons learned to support continuous improvement

6 Modules, 47 Topics

01

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

02

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

03

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

04

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

05

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

06

Closing the Project: Learning from Experience

TOPICS

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

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Hands-on exercises throughout the course
- Delivery by certified instructors and subject matter experts
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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