Project Management Professional PMP

Course Objective:
1. Getting a solid understanding of project management concepts and knowledge
2. Understand the PMI approach to project management
3. Use a well selected project to apply PMI approach
4. Explore and write many project management deliverables
5. Using many Project Management tools and techniques
6. Enable the participant to deliver a successful project within scope, time, and budget and with high-quality standards
7. Introduce Agile project management
8. Prepare the student to pass PMP exam

Overview:

The Project Management Professional (PMP)® is the most important industry-recognized certification for project managers.

Course Requirements:
Laptop or PC’s with MS office installed (word and excel) and PDF

Who Should Attend
Anyone involved in projects, project team, project management practitioners, PMO staff, managers of PMs, Individuals new to project management or want to start/ change their career in project management

Agenda

Introduction
- The Pains, The Problems, The Solution
- Why project management
- The big picture

Building the Foundation
- Project and project characteristics
- Project Stakeholders
- Project management environment
- PMI approach to project management
- Start Simulation Workshop “Managing real project using PMI approach”
- Simulation Workshop choose your project
- Simulation Workshop define project lifecycle

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Project Initiating

- Why initiating?
- Project charter
- Assumption log
- Simulation Workshop develop project charter
- Stakeholder analysis
- Stakeholder register
- Simulation Workshop develop stakeholder register

Project Planning

- Why planning?
- Importance of project management plan
- Stakeholder engagement plan

Scoping

- Scope management plan
- Requirement management plan
- Requirement management lifecycle
- Requirement documentation
- Simulation Workshop collect, document, analyse, and present project requirements
- Requirements traceability matrix RTM
- Project scope statement
- Project work breakdown structure WBS
- Simulation Workshop develop WBS

Scheduling

- Schedule management plan
- Activity and milestone
- Project dependencies
- Project schedule network diagram
- Simulation Workshop build the ND
- Activity estimation tools and techniques
- Simulation Workshop activity duration estimation
- Schedule development
- Schedule analysis
- Art of dynamic scheduling
- Simulation Workshop critical path analysis
Resource planning
- Resource management plan
- Team charter
- Estimate activity resource tools and techniques
- Resource assignments
- Simulation Workshop resource estimations and assignments
- Resource breakdown structure RBS

Costing and Budgeting
- Cost categories and behavior
- Cost management plan
- Estimate cost tools and techniques
- Simulation Workshop estimate activity cost
- Determine budget tools and techniques
- Simulation Workshop determine project budget
- Quality management plan
- Communication management plan

Risk Planning
- Risk management plan
- Risk register
- Simulation Workshop Identify project risk
- Qualitative risk analysis
- Simulation Workshop Qualitative risk analysis
- Quantitative risk analysis
- Simulation Workshop Quantitative risk analysis
- Risk response strategies
- Simulation Workshop risk response planning

Procurement planning
- Procurement management plan
- Procurement strategy
- Bid documents
End of planning
- Scope, schedule, and cost baseline
- Performance measurement baseline
- Project tailoring
- Simulation Workshop develop project management plan
- Project kick-off meeting

Project Executing
- Critical skills in executing
- Direct and manage project work
- Manage project knowledge
- Manage stakeholder engagement
- Manage quality deliverables, tools and techniques
- Acquire resources, develop and manage team
- Manage communication
- Implement risk responses
- Conduct procurements

Project Monitoring & Controlling
- M&C in nutshell
- Control scope, schedule and cost
- Simulation Workshop cost and budget control
- Earned value management
- Simulation Workshop EV analysis
- Control quality, resources, and procurements
- Monitor communications, risks, and stakeholder engagement
- Validate scope
- Monitor and control project work
- Perform integrated change control
- Change and configuration management system

Close Project or Phase
- The importance of closing
- Administrative closure procedures
- Phase and project exit criteria
- Contract closing activities
- Procurement documentation
- Project or phase closure documents
- Lessons learned repository
- Project final report

Project Management Advanced Topics
- Project management business documents
- The role of project manager
- Organizational system
- Organizational and project governance
- The continuum of project lifecycles
- Agile practices

PMP exam preparation
- PMP exam objectives, registration processes, and hints and tricks
- PMP exam study plan, exam Q/A
- Recommended resources for PMP mock exams