

PMP (Project Management Professional)

Course Outline

Duration: 35-40 Hours (Global Standards)

Level: Advanced

Delivery Mode: Online/Offline

Certification: PMP

Global Exam Code: PMP (Latest Version)

Module 1: Introduction to Project Management and PMP Certification

Duration: 3-5 Hours

- Overview of PMP Certification
 - Understanding the Project Management Institute (PMI) and PMBOK Guide
 - Project Life Cycle: Initiating, Planning, Executing, Monitoring, Closing
 - Role of a Project Manager
 - Key Project Management Concepts and Terminology
 - The Importance of Project Management in Business and IT
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Module 2: Project Integration Management

Duration: 5-7 Hours

- Introduction to Integration Management
 - Developing Project Charter and Scope Statement
 - Developing Project Management Plan
 - Directing and Managing Project Work
 - Monitoring and Controlling Project Work
 - Integrated Change Control Process
 - Closing the Project or Phase
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Module 3: Project Scope Management

Duration: 5-6 Hours

- Defining and Managing Project Scope
 - Collecting Requirements
 - Defining Scope and Creating Work Breakdown Structure (WBS)
 - Scope Verification and Control
 - Managing Scope Creep
 - Techniques for Scope Control
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Module 4: Project Time Management

Duration: 5-7 Hours

- Developing a Project Schedule
 - Defining Activities and Sequencing Tasks
 - Estimating Activity Resources and Durations
 - Developing and Controlling Project Schedule
 - Critical Path Method (CPM)
 - Schedule Compression Techniques (Crashing, Fast Tracking)
 - Earned Value Management (EVM) for Schedule Control
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Module 5: Project Cost Management

Duration: 5-6 Hours

- Estimating Project Costs
 - Developing the Project Budget
 - Cost Control Techniques
 - Earned Value Management (EVM) for Cost Control
 - Cost Performance Index (CPI), Schedule Performance Index (SPI)
 - Understanding Variance Analysis
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Module 6: Project Quality Management

Duration: 5-6 Hours

- Defining Quality Management
- Quality Planning, Assurance, and Control
- Tools and Techniques for Quality Management
 - Six Sigma, Pareto Chart, Fishbone Diagram
- Managing Quality in Projects

- Continuous Improvement Models: PDCA, Kaizen
 - Quality Audits and Reviews
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Module 7: Project Resource Management

Duration: 5-6 Hours

- Developing a Project Team
 - Resource Planning and Estimation
 - Acquiring and Managing Project Resources
 - Developing and Managing Project Teams
 - Conflict Management and Team Collaboration
 - Leadership Skills for Project Managers
 - Tools and Techniques for Resource Management
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Module 8: Project Communication Management

Duration: 4-5 Hours

- Importance of Communication in Project Management
 - Communication Planning: Identifying Stakeholders and Communication Channels
 - Managing Project Communications
 - Reporting Project Performance and Status Updates
 - Tools for Communication Management
 - Conflict Resolution through Effective Communication
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Module 9: Project Risk Management

Duration: 5-6 Hours

- Identifying Project Risks
 - Qualitative and Quantitative Risk Analysis
 - Risk Response Planning and Strategies
 - Risk Monitoring and Control
 - Using Risk Management Tools: Risk Register, Risk Matrix
 - Techniques for Risk Mitigation and Avoidance
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Module 10: Project Procurement Management

Duration: 4-5 Hours

- Introduction to Procurement Management
 - Planning Procurements and Developing Procurement Documents
 - Conducting Procurement: Solicitation, Negotiation, and Contract Award
 - Controlling Procurements and Managing Relationships
 - Closing Procurements
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Module 11: Project Stakeholder Management

Duration: 4-5 Hours

- Identifying Project Stakeholders
 - Stakeholder Engagement and Communication Strategies
 - Managing Stakeholder Expectations
 - Techniques for Managing Stakeholder Relationships
 - Conflict Resolution with Stakeholders
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Module 12: PMP Exam Review and Preparation

Duration: 3-4 Hours

- Review of Key PMP Exam Domains
 - Practice Exam Questions and Case Studies
 - Exam Preparation Strategies and Tips
 - Understanding PMP Exam Structure and Timing
 - Time Management During the Exam
 - Post-Exam Guidance and Career Pathways
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Module 13: PMP Certification Exam

- Final Exam: **PMP Certification Exam**
 - Post-Exam: Understanding Results and Next Steps
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PMP Exam Content Outline:

The PMP certification exam focuses on five key process groups:

1. **Initiating**
2. **Planning**
3. **Executing**
4. **Monitoring and Controlling**
5. **Closing**

Each process group is further divided into knowledge areas such as scope, time, cost, quality, human resources, communications, risk, procurement, and stakeholder management.