



Project & Contract Management

Advanced Project Control and Monitoring for PMO Professionals

Course Introduction

In today's fast-paced and highly competitive business environment, the ability to control and monitor complex projects effectively is crucial to achieving success. This training program for PMO professionals is designed to equip participants with the essential tools, techniques, and strategies to ensure project success across different methodologies and industries. This program delves into advanced topics such as Earned Value Management (EVM), risk management, change control, financial oversight, and performance measurement. Participants will explore key project management frameworks like PMI, PRINCE2, and Agile, gaining insights into how to tailor monitoring and control techniques to various project environments. Over five intensive days, PMO professionals will learn how to take their project control skills to the next level by mastering budgeting and scheduling, enhancing communication strategies, and ensuring high-quality standards.

Target Audience

- PMO professionals
- Project managers
- Senior project leaders
- Risk and change management officers
- Professionals

Learning Objectives

Understand and apply advanced project monitoring tools and frameworks such as PMI, PRINCE2, and Agile to different types of projects. • Develop detailed project budgets, perform accurate cost estimations, and manage financial resources effectively. • Establish high-quality standards, perform continuous quality audits, and ensure that quality control and assurance are maintained throughout the project lifecycle. • Analyze and interpret EVM

metrics such as CPI and SPI to monitor project performance and make informed decisions.

- Develop and implement advanced communication strategies, ensure the effective flow of information, and manage stakeholder expectations and conflicts.
- Perform advanced risk identification and mitigation, monitor risks in real-time, and apply change control techniques to handle scope changes in dynamic environments.
- Select and monitor the right performance metrics, use tools for automated performance tracking, and generate executive-level reports to support strategic decision-making.
- Establish and implement plans for continuous improvement in project management practices, ensuring long-term success for future projects.

Course Outline

• Day 01

Introduction to Advanced Project Control and Monitoring:

- Overview of Project Control and Monitoring.
- Importance of project control in ensuring project success.
- Advanced monitoring techniques.
- The role of PMO in project control and governance.
- Frameworks and Methodologies.
- Introduction to PMI, PRINCE2, and Agile frameworks.
- Adapting control techniques to different methodologies.
- Defining KPIs for effective project control.

Project Planning and Scheduling:

- Advanced Planning Techniques.
- Developing a comprehensive project plan.
- Resource allocation and optimization.

- Advanced scheduling techniques and tools.

• Day 02

Budgeting and Financial Control:

- Advanced Budgeting Techniques.
- Developing detailed project budgets.
- Estimating costs accurately for large-scale projects.
- Managing financial resources effectively.
- Cost tracking and variance analysis
- Cost Control Techniques.
- Case studies.

Quality Control and Assurance:

- Advanced Quality Management Principles.
- Quality control vs. quality assurance in project environments.
- Setting quality standards for complex projects.
- Tools for ensuring project quality.
- Monitoring Quality throughout the Project Lifecycle.
- Quality audits and continuous improvement techniques.
- Creating a project quality management plan.

• Day 03

Earned Value Management (EVM):

- Introduction to EVM.
- Key concepts: Planned Value (PV), Earned Value (EV), Actual Cost (AC).
- Analyzing Cost Performance Index (CPI) and Schedule Performance Index (SPI).
- Advanced EVM Techniques.

- Applying EVM in complex projects.
- Interpreting EVM metrics for informed decision-making.
- Practical application: Calculating and analyzing EVM metrics.

Communication and Stakeholder Management:

- Advanced Communication Strategies.
- Developing an effective communication plan for large projects.
- Managing information flow between stakeholders.
- Using dashboards and reports for communication.
- Stakeholder Monitoring and Engagement.
- Techniques for monitoring stakeholder satisfaction.
- Managing conflicts and expectations in complex projects. • Case studies.

• Day 04

Risk Management in Project Control:

- Advanced Risk Identification and Analysis.
- Identifying high-impact risks.
- Quantitative and qualitative risk analysis.
- Scenario planning for risk mitigation.
- Risk Monitoring and Control.
- Real-time risk tracking and reporting.
- Techniques for managing project uncertainties.
- Case studies.

Change Management and Control:

- Advanced Change Management Techniques.

- Managing scope changes effectively.
- Implementing change control processes in dynamic environments.
- Assessing the impact of change on project performance.
- Tools for Change Control.
- Change request forms, logs, and impact assessments.
- Case studies. • Practical Application.

• Day 05

Performance Measurement and Reporting:

- Advanced Metrics for Monitoring Project Performance.
- Selecting the right metrics for performance evaluation.
- Monitoring performance against KPIs and baselines.
- Tools for automated performance tracking.
- Reporting Techniques.
- Creating executive reports for senior management.
- Analyzing data for decision-making.
- Final Project: Establishing a continuous improvement plan for future projects.

Confirmed Sessions

| FROM | TO | DURATION | FEES | LOCATION |
|---------------|----------------|----------|------------|-------------------|
| April 6, 2025 | April 10, 2025 | 5 days | 4250.00 \$ | Qatar - El Doha |
| Sept. 1, 2025 | Sept. 5, 2025 | 5 days | 5950.00 \$ | USA - Los Angeles |

| FROM | TO | DURATION | FEEs | LOCATION |
|---------------|---------------|----------|------------|-------------|
| Nov. 10, 2025 | Nov. 14, 2025 | 5 days | 4250.00 \$ | UAE - Dubai |