ADVANCED PROJECT MANAGEMENT OFFICE (PMO) & PROJECT CONTROL



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Introduction

Advanced Project Management Office and Project Control examines how organizations build a PMO that governs delivery rather than producing reports. This Training Course covers PMO design, portfolio governance, project control techniques, and performance assurance. Participants study the PMBOK Guide portfolio, programme and project domains, the PMO maturity models of Gartner and Hill, the P3O guidance on portfolio, programme and project offices, OPM3 organisational project management maturity, PRINCE2 governance themes and management products, earned value management with SPI, CPI and TCPI, critical path method and float analysis, earned schedule, the risk register and Monte Carlo schedule risk analysis, resource levelling, stage-gate governance, KPI dictionaries with formula, source, owner and frequency, Statistical Process Control with control charts and run rules, and the COBIT framework for IT governance alignment. Furthermore, the programme connects governance to delivery through PMO design labs, earned value workshops, and stage-gate review simulations. As a result, delegates leave able to run a PMO that controls delivery and earns its mandate.

Advanced Project Management Office (PMO) & Project Control Course Objectives

- Define the PMO types: supportive, controlling, and directive.
- Apply the P3O guidance to portfolio, programme, and project offices.
- Assess PMO maturity using OPM3 and maturity models.
- Apply PRINCE2 governance themes and management products.
- Establish portfolio governance, intake, and prioritisation.
- Apply earned value management with SPI, CPI, and TCPI.
- Interpret critical path, float, and earned schedule data.
- Design resource levelling and capacity management practice.
- Build KPI dictionaries for project and portfolio measurement.

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- Govern stage gates, assurance reviews, and PMO performance.

Course Methodology

- Interactive workshops using real portfolio and project control data.
- PMO design, charter, and maturity assessment labs.
- Earned value and schedule analysis exercises.
- Risk, resource, and stage-gate control workshops.
- Governance review and escalation simulations.
- Action planning that converts each session into a workplace commitment.

Who Should Take This Course

- PMO directors, managers, and analysts.
- Portfolio and programme managers.
- Project control and planning engineers.
- Cost control and earned value specialists.
- Governance, risk, and assurance professionals.
- Senior project managers moving into PMO roles.
- Executives sponsoring project governance reform.

Advanced Project Management Office (PMO) & Project Control Course Outlines

Day 1: PMO Foundations and Operating Models

- PMO types: supportive, controlling, and directive.
- The P3O guidance on portfolio, programme, and project offices.

- PMO functions and service catalogue design.
- PMO maturity assessment with OPM3 and maturity models.
- The PMO charter, mandate, and stakeholder contract.
- Common failures: report factories, no mandate, no authority.
- Building the PMO design pack.

Day 2: Portfolio Governance and Project Intake

- Portfolio definition, governance, and decision rights.
- Project intake, screening, and prioritisation criteria.
- Scoring models and value-based prioritisation.
- Portfolio balancing and capacity constraints.
- The PMBOK Guide portfolio management domains.
- PRINCE2 governance themes and management products.
- Building the portfolio governance pack.

Day 3: Schedule, Cost, and Earned Value Control

- Scope, schedule, and cost baseline construction.
- Critical path method, float analysis, and earned schedule.
- Earned value management: planned value, earned value, actual cost.
- Schedule performance index, cost performance index, and TCPI.
- Estimate at completion and variance analysis.
- Cost control registers and change control boards.
- Building the schedule and cost control pack.

Day 4: Risk, Resources, and Performance Assurance

- Risk registers, qualitative and quantitative analysis.
- Monte Carlo schedule risk analysis and contingency derivation.
- Resource levelling, capacity planning, and bottleneck detection.
- Statistical Process Control with control charts and run rules.
- KPI dictionaries for project and portfolio measurement.
- Dashboards, reporting cadence, and exception reporting.
- Building the risk and assurance pack.

Day 5: Stage Gates, Reviews, and PMO Value

- Stage-gate design and gate criteria.
- Assurance reviews and health checks.
- Decision rules, escalation triggers, and action ownership.
- Measuring and communicating PMO value and maturity.
- COBIT alignment and governance of technology projects.
- Preventing gaming: optimistic estimates and status distortion.
- Personal action plan and continuous improvement.

Conclusion

By successfully completing Advanced Project Management Office (PMO) and Project Control, participants will have acquired a practical command of PMO operating models, portfolio governance, earned value control, schedule and cost analysis, risk quantification, resource management, and assurance practice. They will know how to design a PMO mandate that reflects real authority, read SPI and CPI correctly, and run stage gates that stop failing projects rather than documenting them. In addition, the course prepares delegates to measure and communicate PMO value to executives. As a result, they return to work ready to run a PMO that controls delivery. Gentex Training Center delivers this Training Course with a practical, standards-based approach.

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FAQs for the Advanced Project Management Office (PMO) & Project Control course

Q1 What is the "Advanced Project Management Office (PMO) & Project Control" course about?

It is a five-day programme on building a PMO that governs delivery rather than producing reports. It covers PMO operating models, the P3O guidance, OPM3 maturity, portfolio governance, earned value management with SPI, CPI and TCPI, critical path and earned schedule analysis, Monte Carlo risk analysis, and stage-gate assurance.

Q2 What are the key benefits of the "Advanced Project Management Office (PMO) & Project Control" course?

Participants gain the ability to design a PMO mandate that reflects real authority, read SPI and CPI correctly, and run stage gates that stop failing projects rather than documenting them. They also learn to measure and communicate PMO value to executives in terms of delivery outcomes rather than report volume.

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Q3 What skills will I gain from the "Advanced Project Management Office (PMO) & Project Control" course?

PMO foundations with supportive, controlling and directive model design, P3O guidance application, service catalogue construction, and OPM3 maturity assessment, portfolio governance with intake and screening criteria, scoring model design, value-based prioritisation, portfolio balancing, PMBOK Guide portfolio domain application, and PRINCE2 governance theme practice, project control with scope, schedule and cost baseline construction, critical path and float analysis, earned schedule application, SPI, CPI and TCPI calculation, estimate at completion work, variance analysis, and change control board operation, and assurance and value with risk register and Monte Carlo analysis, contingency derivation, resource levelling and capacity planning, control chart application, run rule interpretation, KPI dictionary construction, dashboard design, exception reporting, stage-gate design, health check delivery, decision rule design, PMO value measurement, COBIT alignment, and anti-gaming practice.

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Q4 What tools, methods, or standards are covered in the "Advanced Project Management Office (PMO) & Project Control" course?

The course covers PMO types across supportive, controlling and directive, the P3O guidance on portfolio, programme and project offices, PMO functions and service catalogue design, PMO maturity assessment with OPM3 and maturity models, the PMO charter, mandate and stakeholder contract, common failures across report factories, no mandate and no authority, portfolio definition, governance and decision rights, project intake, screening and prioritisation criteria, scoring models and value-based prioritisation, portfolio balancing and capacity constraints, the PMBOK Guide portfolio management domains, PRINCE2 governance themes and management products, scope, schedule and cost baseline construction, critical path method, float analysis and earned schedule, earned value management across planned value, earned value and actual cost, schedule performance index, cost performance index and TCPI, estimate at completion and variance analysis, cost control registers and change control boards, risk registers, qualitative and quantitative analysis, Monte Carlo schedule risk analysis and contingency derivation, resource levelling, capacity planning and bottleneck detection, Statistical Process Control with control charts and run rules, KPI dictionaries for project and portfolio measurement, dashboards, reporting cadence and exception reporting, stage-gate design and gate criteria, assurance reviews and health checks, decision rules, escalation triggers and action ownership, measuring and communicating PMO value and maturity, COBIT alignment and governance of technology projects, and preventing gaming across optimistic estimates and status distortion.

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Q5 How is the "Advanced Project Management Office (PMO) & Project Control" course applied in real-world practice?

Delegates apply it through PMO design packs, PMO charters, mandates, service catalogues, RACI for PMO functions, maturity assessment reports, OPM3 assessments, portfolio governance frameworks, decision rights matrices, project intake forms, screening scorecards, prioritisation models, portfolio balance reports, capacity constraint analyses, PRINCE2 management products, project mandates, business cases, stage plans, project initiation documents, scope baselines, schedule baselines, cost baselines, network diagrams, critical path analyses, float reports, earned schedule analyses, earned value reports, SPI and CPI calculations, TCPI models, estimate at completion forecasts, variance analyses, cost control registers, commitment registers, change requests, change control board minutes, risk registers, risk analyses, Monte Carlo simulation outputs, contingency drawdown records, resource histograms, levelling reports, capacity plans, bottleneck analyses, control charts, run rule assessments, KPI dictionaries, formula documentation sheets, portfolio dashboards, project dashboards, exception reports, reporting calendars, stage-gate criteria, gate review packs, health check reports, assurance review findings, decision logs, escalation matrices, action registers, PMO value reports, maturity roadmaps, COBIT alignment assessments, gaming risk assessments, and PMO improvement plans. They also use it to chair portfolio boards and stage-gate reviews and to present PMO performance to executive committees.