ADVANCED PROJECT MANAGEMENT



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TRAINING CENTER

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Introduction

Advanced Project Management examines how experienced managers lead complex projects through governance, control, and stakeholder alignment. This Training Course covers integrated planning, earned value control, risk quantification, procurement, and benefits realisation. Participants study the PMBOK Guide performance domains and process groups, PRINCE2 principles, themes and processes, predictive, agile and hybrid delivery tailoring, earned value management with SPI, CPI and TCPI, critical path method and earned schedule, Monte Carlo schedule and cost risk analysis, the risk register and contingency derivation, RACI responsibility assignment, procurement strategies and contract types, stakeholder engagement assessment, KPI dictionaries with formula, source, owner and frequency, Statistical Process Control with control charts and run rules, and benefits realisation management. Furthermore, the programme connects method to delivery through integrated planning labs, risk workshops, and governance review simulations. As a result, delegates leave able to lead complex delivery with discipline.

Advanced Project Management Course Objectives

- Apply the PMBOK Guide performance domains across the project life cycle.
- Apply PRINCE2 principles, themes, and processes appropriately.
- Tailor predictive, agile, and hybrid delivery to project context.
- Build integrated scope, schedule, cost, and resource baselines.
- Apply earned value management with SPI, CPI, and TCPI.
- Interpret critical path, float, and earned schedule data.
- Quantify risk with Monte Carlo analysis and derive contingency.
- Design procurement strategies and manage contract types.
- Build KPI dictionaries and performance dashboards for projects.
- Govern benefits realisation and close projects with assurance.

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Course Methodology

- Interactive workshops using real complex project data.
- Integrated planning and baseline construction labs.
- Earned value and risk quantification exercises.
- Procurement strategy and contract design workshops.
- Governance review and benefits realisation simulations.
- Action planning that converts each session into a workplace commitment.

Who Should Take This Course

- Senior project and programme managers.
- Project directors and delivery leads.
- PMO analysts and project control specialists.
- Cost engineers and planning engineers.
- Procurement and contract managers on projects.
- Risk and assurance professionals.
- Consultants leading complex delivery engagements.

Advanced Project Management Course Outlines

Day 1: Strategy, Method, and Governance Foundation

- The PMBOK Guide performance domains and process groups.
- PRINCE2 principles, themes, and processes.
- Predictive, agile, and hybrid delivery selection criteria.
- Tailoring method to complexity, uncertainty, and risk.

- Project charter, business case, and governance structure.
- Common failures: method theatre, weak sponsorship, no baseline.
- Building the method and governance pack.

Day 2: Integrated Planning and Baselining

- Scope definition, work breakdown structure, and requirements traceability.
- Schedule development: sequencing, duration estimating, and critical path.
- Resource planning, levelling, and capacity checks.
- Cost estimating techniques and budget baseline construction.
- RACI responsibility assignment and interface management.
- Configuration and change control design.
- Building the integrated baseline pack.

Day 3: Control, Earned Value, and Forecasting

- Earned value management: planned value, earned value, and actual cost.
- Schedule performance index, cost performance index, and TCPI.
- Earned schedule and completion forecasting.
- Milestone trend analysis and variance investigation.
- Estimate at completion and rolling wave forecasting.
- Statistical Process Control with control charts and run rules.
- Building the performance control pack.

Day 4: Risk, Procurement, and Stakeholder Management

- Risk identification, analysis, and response planning.

- Monte Carlo schedule and cost risk analysis.
- Contingency derivation and reserve management.
- Procurement strategy, tender evaluation, and contract types.
- Supplier performance management and claims handling.
- Stakeholder engagement assessment and communication planning.
- Building the risk, procurement, and stakeholder pack.

Day 5: Governance, Benefits, and Closure

- Stage-gate governance and assurance reviews.
- Benefits realisation management and benefit mapping.
- KPI dictionaries, dashboards, and executive reporting.
- Quality assurance, audits, and lessons learned practice.
- Project closure, handover, and operational readiness.
- Preventing gaming: optimistic estimates and status distortion.
- Personal action plan and continuous improvement.

Conclusion

By successfully completing Advanced Project Management, participants will have acquired a practical command of method selection and tailoring, integrated planning and baselining, earned value control, risk quantification, procurement and stakeholder management, and benefits governance. They will know how to tailor method to context rather than applying it mechanically, read SPI and CPI correctly, and quantify risk instead of listing it. In addition, the course prepares delegates to govern benefits realisation and close projects with assurance rather than assumption. As a result, they return to work ready to lead complex delivery with discipline. Gentex Training Center delivers this Training Course with a practical, standards-based approach.

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FAQs for the Advanced Project Management course

Q1 What is the "Advanced Project Management" course about?

It is a five-day programme on leading complex projects through governance, control, and stakeholder alignment. It covers the PMBOK Guide performance domains, PRINCE2 principles and processes, predictive, agile and hybrid tailoring, integrated baselining, earned value management, Monte Carlo risk analysis, procurement strategy, and benefits realisation.

Q2 What are the key benefits of the "Advanced Project Management" course?

Participants gain the ability to tailor method to context rather than applying it mechanically, read SPI and CPI correctly, and quantify risk instead of listing it. They also learn to govern benefits realisation and close projects with assurance rather than assumption.

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Q3 What skills will I gain from the "Advanced Project Management" course?

Method and governance with PMBOK performance domain application, PRINCE2 theme and process practice, predictive, agile and hybrid selection, project charter and business case design, and governance structuring, integrated planning with work breakdown structure construction, requirements traceability, schedule development and critical path analysis, resource levelling, cost estimating and budget baselining, RACI design, and change control, and control, risk and benefits with earned value interpretation, SPI, CPI and TCPI calculation, earned schedule forecasting, milestone trend analysis, estimate at completion work, control chart application, run rule interpretation, Monte Carlo risk analysis, contingency derivation, procurement strategy design, contract type selection, supplier performance management, stakeholder engagement assessment, benefits realisation management, and project closure practice.

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Q4 What tools, methods, or standards are covered in the "Advanced Project Management" course?

The course covers the PMBOK Guide performance domains and process groups, PRINCE2 principles, themes and processes, predictive, agile and hybrid delivery selection criteria, tailoring method to complexity, uncertainty and risk, project charter, business case and governance structure, common failures across method theatre, weak sponsorship and no baseline, scope definition, work breakdown structure and requirements traceability, schedule development across sequencing, duration estimating and critical path, resource planning, levelling and capacity checks, cost estimating techniques and budget baseline construction, RACI responsibility assignment and interface management, configuration and change control design, earned value management across planned value, earned value and actual cost, schedule performance index, cost performance index and TCPI, earned schedule and completion forecasting, milestone trend analysis and variance investigation, estimate at completion and rolling wave forecasting, Statistical Process Control with control charts and run rules, risk identification, analysis and response planning, Monte Carlo schedule and cost risk analysis, contingency derivation and reserve management, procurement strategy, tender evaluation and contract types, supplier performance management and claims handling, stakeholder engagement assessment and communication planning, stage-gate governance and assurance reviews, benefits realisation management and benefit mapping, KPI dictionaries, dashboards and executive reporting, quality assurance, audits and lessons learned practice, project closure, handover and operational readiness, and preventing gaming across optimistic estimates and status distortion.

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Q5 How is the "Advanced Project Management" course applied in real-world practice?

Delegates apply it through method and governance packs, project charters, business cases, governance structures, stage-gate frameworks, decision rights matrices, work breakdown structures, requirements traceability matrices, network diagrams, duration estimates, critical path analyses, resource histograms, levelling reports, capacity plans, cost estimates, budget baselines, RACI charts, interface registers, configuration records, change requests, change control board minutes, earned value reports, planned value registers, earned value tables, actual cost reports, SPI and CPI calculations, TCPI models, earned schedule analyses, milestone trend charts, variance reports, estimate at completion forecasts, rolling wave forecasts, control charts, run rule assessments, risk registers, risk response plans, risk analyses, Monte Carlo simulation outputs, contingency drawdown records, reserve management logs, procurement strategies, tender evaluation matrices, contract documents, supplier performance scorecards, claims registers, stakeholder engagement assessments, communication plans, benefits realisation registers, benefit maps, KPI dictionaries, formula documentation sheets, executive dashboards, quality assurance records, audit reports, lessons learned registers, closure reports, handover certificates, operational readiness assessments, gaming risk assessments, and delivery improvement plans. They also use it to chair steering committees, stage-gate reviews, and benefits reviews with sponsors and executive leadership.