ADVANCED FINANCIAL MODELLING, VALUATION & FEASIBILITY STUDIES FOR PROJECT DECISION-MAKING



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TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making Training Course equips analysts and decision-makers to test a project properly before capital is committed. Feasibility studies fail most often on weak assumptions, not on weak ambition. Optimistic demand forecasts, missing working capital, and unexamined risk all pass unnoticed when a model is built carelessly. This course builds the discipline that prevents that. It covers model architecture, forecasting, costing, and valuation. Furthermore, it applies NPV, IRR, payback, sensitivity, scenario, and Monte Carlo analysis. In addition, it develops feasibility study structure, financing options, and investment committee presentation. As a result, participants produce appraisals that survive scrutiny.

Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making Course Objectives

- Design clean, auditable financial models for project appraisal.
- Build driver-based revenue and cost forecasts with clear assumptions.
- Estimate capital expenditure, working capital, and lifecycle costs.
- Apply NPV, IRR, payback, and profitability index appraisal methods.
- Estimate cost of capital and select appropriate discount rates.
- Perform sensitivity, scenario, and Monte Carlo analysis on outcomes.
- Calculate break-even points and project economic limits.
- Structure project financing and model debt service capacity.
- Prepare a complete feasibility study with commercial and financial sections.
- Present appraisal findings with defensible investment recommendations.

Course Methodology

- Interactive lectures with real project appraisal and feasibility cases.

- Step-by-step financial model building workshops.
- Valuation, sensitivity, and Monte Carlo analysis exercises.
- Feasibility study drafting and investment committee simulations.
- Structured peer review with facilitator feedback on appraisal conclusions.

Who Should Take This Course

- Financial analysts and modelling specialists.
- Project finance and corporate finance professionals.
- Feasibility study and business planning analysts.
- Investment and development professionals.
- Project managers with financial responsibility.
- Consultants preparing appraisal and feasibility reports.

Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making Course Outlines

Day 1: Financial Model Architecture for Projects

- Model purpose, scope, and design principles.
- Workbook structure: inputs, calculations, and outputs.
- Formula consistency and avoiding hard-coded values.
- Timeline construction and flexibility for project phases.
- Error checking and balance proofing techniques.
- Documentation, version control, and audit trails.
- Case study: critiquing a poorly structured project model.

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Day 2: Forecasting, Costing, and Cash Flow

- Driver-based revenue forecasting and demand assumptions.
- Operating cost, maintenance, and lifecycle cost modelling.
- Capital expenditure phasing and asset capitalisation.
- Working capital and cash conversion modelling.
- Inflation, escalation, and indexation treatment.
- Tax calculation and loss carry-forward modelling.
- Workshop: building an integrated project cash flow model.

Day 3: Valuation and Investment Appraisal

- Time value of money and discounting principles.
- Net present value and internal rate of return application.
- Payback, discounted payback, and profitability index.
- Weighted average cost of capital and hurdle rate setting.
- Terminal value and project life considerations.
- Comparing mutually exclusive and capital-constrained projects.
- Workshop: appraising a project and defending the recommendation.

Day 4: Risk, Sensitivity, and Scenario Analysis

- Sensitivity analysis with data tables and tornado charts.
- Scenario design and case management.
- Monte Carlo simulation and probability output analysis.
- Break-even and switchover value calculation.
- Risk register construction and mitigation planning.

- Real options and staged investment thinking.
- Workshop: running a Monte Carlo appraisal and interpreting results.

Day 5: Feasibility Studies and Decision Presentation

- Feasibility study structure and section sequencing.
- Market, technical, operational, and financial feasibility sections.
- Financing structure and debt service coverage analysis.
- Environmental, social, and regulatory considerations.
- Preparing the investment committee paper and executive summary.
- Presenting findings and handling challenge.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making, participants will gain a thorough understanding of financial model architecture, driver-based forecasting, project costing, valuation methods, risk and sensitivity analysis, financing structure, and feasibility study preparation. They will also acquire practical skills in financial model construction, project valuation and investment appraisal, risk, sensitivity and Monte Carlo analysis, and feasibility study preparation and decision presentation. In addition, the course prepares them to support project decisions with analysis that withstands challenge. Gentex Training Center delivers this programme with a strong focus on applied modelling discipline and defensible investment conclusions.

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FAQs for Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making course

Q1 What is the "Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making" course about?

It is a five-day programme on appraising projects properly before committing capital. It covers financial model architecture, driver-based forecasting and costing, NPV, IRR and payback appraisal, cost of capital, sensitivity, scenario and Monte Carlo analysis, financing structure, and full feasibility study preparation.

Q2 What are the key benefits of the "Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making" course?

Participants stop committing capital on optimistic assumptions. The course exposes weak demand and cost forecasts early, improves model structure and error control, sharpens discount rate and break-even calculation, quantifies downside risk explicitly, strengthens financing and debt service modelling, and raises the quality of investment committee papers.

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Q3 What skills will I gain from the "Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making" course?

Participants gain financial model architecture and construction, project valuation and investment appraisal, risk, sensitivity and Monte Carlo analysis, and feasibility study preparation and decision presentation. These four skills cover the practical core of project appraisal work.

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Q4 What tools, methods, or standards are covered in the "Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making" course?

The course covers model design principles and workbook structure, formula consistency and hard-code avoidance, timeline construction for phased projects, error checking and balance proofing, documentation and version control, driver-based revenue forecasting, demand and market assumptions, operating, maintenance and lifecycle cost modelling, capital expenditure phasing and capitalisation, working capital and cash conversion modelling, inflation, escalation and indexation treatment, tax and loss carry-forward modelling, time value of money, net present value, internal rate of return, payback, discounted payback and profitability index, weighted average cost of capital and hurdle rate setting, terminal value and project life analysis, mutually exclusive and capital-constrained project ranking, sensitivity analysis with data tables and tornado charts, scenario design and case management, Monte Carlo simulation and probability output analysis, break-even and switchover value calculation, risk register construction and mitigation planning, real options and staged investment analysis, feasibility study structure across market, technical, operational and financial sections, financing structure and debt service coverage analysis, environmental, social and regulatory assessment, and investment committee paper preparation.

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Q5 How is the "Advanced Financial Modelling, Valuation & Feasibility Studies for Project Decision-Making" course applied in real-world practice?

Participants apply the methods to live and simulated projects. They structure workbooks, build driver-based forecasts, model capital expenditure and working capital, calculate NPV and IRR, set hurdle rates, run sensitivity and Monte Carlo analysis, determine break-even points, model debt service coverage, and draft feasibility study sections with recommendations. Many leave with a project model template, a sensitivity dashboard, and a feasibility study structure ready to use.