PROJECT FINANCIAL & RISK APPRAISAL



GENTEX®
TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Project Financial & Risk Appraisal Training Course teaches professionals to test a project's numbers and then test what could break them. Participants learn to build a financial appraisal, set investment criteria, and then subject the result to structured risk analysis. The programme covers cash flow forecasting, discounting, NPV and IRR, capital budgeting, risk registers, sensitivity analysis, scenario testing and Monte Carlo simulation. Furthermore, it addresses risk mitigation, contingency setting and appraisal reporting to approval committees. As a result, delegates can present a project case that shows both the expected return and the range of outcomes. Gentex Training Center delivers the programme through Excel workshops and applied project case work.

Project Financial & Risk Appraisal Course Objectives

- Build project financial appraisal models in Microsoft Excel.
- Forecast project costs, revenues and cash flows with tested assumptions.
- Apply NPV, IRR, payback and profitability index to project decisions.
- Set hurdle rates using WACC and risk-adjusted cost of capital.
- Identify, categorise and assess project risks systematically.
- Build and maintain a project risk register with owners and ratings.
- Apply sensitivity analysis, switching values and tornado charts.
- Run scenario analysis and probability-weighted outcomes.
- Apply Monte Carlo simulation to model the range of project outcomes.
- Set contingency and risk allowances and report appraisal findings.

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Course Methodology

The course combines technical briefings with hands-on Excel workshops and applied project case studies. Participants build a financial appraisal model, construct a risk register, and test outcomes through sensitivity, scenario and simulation analysis. In addition, structured peer review and committee simulation sharpen judgement, and each day closes with an applied appraisal task.

Who Should Take This Course

- Project finance analysts and investment appraisal staff.
- Corporate finance and capital budgeting professionals.
- Risk managers and risk analysts on capital projects.
- Project managers and cost engineers with appraisal duties.
- Internal auditors and control specialists reviewing project cases.
- Consultants and advisers supporting project approval.

Project Financial & Risk Appraisal Course Outlines

Day 1: Financial Appraisal Foundations

- Appraisal purpose, stages and decision gateways.
- Project definition, options and scope setting.
- Cost and revenue forecasting with tested assumptions.
- Real versus nominal cash flows, escalation and inflation.
- Working capital, taxation and relevant cash flow rules.
- Terminal value and project life assumptions.
- Workshop: building a project financial appraisal model.

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Day 2: Investment Criteria and Capital Budgeting

- Discounting and selection of the discount rate.
- NPV, IRR, MIRR, payback and profitability index.
- WACC calculation and risk-adjusted hurdle rates.
- Ranking mutually exclusive projects and capital rationing.
- Sunk costs, opportunity costs and incremental analysis.
- Post-investment review and benefits tracking.
- Workshop: appraising and ranking competing project proposals.

Day 3: Risk Identification, Assessment and the Risk Register

- Risk management frameworks and project risk categories.
- Risk identification techniques and risk breakdown structure.
- Qualitative assessment: likelihood, impact and risk rating.
- Quantitative assessment and expected monetary value.
- Building a risk register with owners, actions and review dates.
- Risk appetite, tolerance and escalation thresholds.
- Workshop: building a project risk register with quantified exposure.

Day 4: Sensitivity, Scenario and Simulation Analysis

- One-way and two-way data tables on key drivers.
- Switching values and break-even analysis.
- Scenario analysis and probability-weighted outcomes.
- Monte Carlo simulation and confidence intervals.

- Tornado charts and key value driver ranking.
- Downside stress testing and covenant breach analysis.
- Workshop: running sensitivity, scenario and simulation analysis.

Day 5: Risk Mitigation, Contingency and Appraisal Reporting

- Risk response planning: avoid, reduce, transfer and accept.
- Contingency and risk allowance setting.
- Optimism bias and reference class forecasting.
- Documenting assumptions and model audit.
- Structuring the appraisal report and business case.
- Presenting an appraisal and risk case to an approval committee.
- Workshop: presenting a financial and risk appraisal to a review panel.

Conclusion

By successfully completing Project Financial & Risk Appraisal Training Course, participants will have acquired the knowledge to appraise a project financially and test it against risk with discipline. They will understand cash flow forecasting, investment criteria, hurdle rates, risk registers, sensitivity and scenario analysis, simulation and contingency setting, and they will know how to present both the return and the downside. As a result, delegates support approval decisions with balanced evidence. Gentex Training Center builds the programme around current appraisal and risk practice.

FAQs for the Project Financial & Risk Appraisal course

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Q1 What is the "Project Financial & Risk Appraisal" course about?

It covers financial appraisal and risk appraisal in one programme. You learn cost and revenue forecasting, discounting with NPV and IRR, hurdle rate setting, risk registers and risk assessment, sensitivity, scenario and Monte Carlo analysis, and contingency setting and appraisal reporting.

Q2 What are the key benefits of the "Project Financial & Risk Appraisal" course?

You gain one appraisal that shows both expected return and the range of possible outcomes, rather than a single-point forecast. You also improve forecast discipline, quantify risk exposure properly, set defensible contingency levels, and present project cases committees can approve with confidence.

Q3 What skills will I gain from the "Project Financial & Risk Appraisal" course?

You will gain project financial appraisal modelling in Microsoft Excel, investment appraisal and capital budgeting with hurdle rate setting, project risk identification, risk register development and quantitative risk assessment, and sensitivity, scenario, simulation and contingency analysis.

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Q4 What tools, methods, or standards are covered in the "Project Financial & Risk Appraisal" course?

The course covers cash flow forecasting and real versus nominal treatment, NPV, IRR, MIRR, payback and profitability index appraisal, WACC and risk-adjusted discount rates, capital rationing and incremental analysis, risk breakdown structures and risk registers, likelihood-impact risk rating and expected monetary value, one-way and two-way data tables, switching values and break-even analysis, scenario analysis, Monte Carlo simulation and tornado charts, optimism bias and reference class forecasting, risk response planning, contingency and risk allowance setting, and assumptions registers and model audit.

Q5 How is the "Project Financial & Risk Appraisal" course applied in real-world practice?

Graduates apply it to build project appraisal models, rank competing proposals, set hurdle rates and capital limits, run risk workshops and maintain risk registers, test projects under sensitivity and stress scenarios, quantify contingency and risk allowances, prepare appraisal reports and business cases, and present financial and risk cases to investment and approval committees.