PROJECT APPRAISAL & INFRASTRUCTURE FINANCE



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TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Project Appraisal & Infrastructure Finance Training Course connects the analytical and structural sides of major capital decisions. Participants learn how to test a project's economics before commitment, then how to raise and structure the funding that makes it possible. The programme covers feasibility study design, demand and cost forecasting, investment appraisal, cost-benefit analysis, environmental and social assessment, and then moves into infrastructure financing structures, debt sizing and risk allocation. Furthermore, it addresses public-private partnerships, concession design and financial close. As a result, delegates can appraise a project and arrange its financing on one consistent basis. Gentex Training Center delivers the programme through modelling workshops and live project case work.

Project Appraisal & Infrastructure Finance Course Objectives

- Design feasibility studies and structure the appraisal process.
- Forecast demand, capital cost and operating cost for infrastructure projects.
- Apply investment appraisal using NPV, IRR, payback and profitability index.
- Conduct cost-benefit analysis with economic and social valuation.
- Apply economic internal rate of return and shadow pricing concepts.
- Assess environmental, social and regulatory impacts in appraisal.
- Build project finance cash flow models in Microsoft Excel.
- Structure limited recourse financing and allocate risk among parties.
- Apply debt sizing using debt service coverage ratio targets.
- Manage the financial close process and evaluate refinancing options.

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Course Methodology

The course combines technical briefings with hands-on appraisal and modelling workshops. Participants build a feasibility appraisal model, run cost-benefit analysis, then structure debt and test covenant headroom. In addition, case studies and structured peer review sharpen judgement, and each day closes with an applied appraisal or structuring task.

Who Should Take This Course

- Investment analysts and project finance professionals.
- Infrastructure planners, developers and sponsors.
- Government and public sector project appraisal staff.
- Financial advisers, consultants and transaction analysts.
- Credit analysts and bankers reviewing infrastructure loans.
- Engineers, economists and advisers supporting project approval.

Project Appraisal & Infrastructure Finance Course Outlines

Day 1: Appraisal Frameworks and Feasibility Studies

- Appraisal process from concept to investment decision.
- Feasibility study structure and appraisal gateways.
- Demand and traffic forecasting methods.
- Capital and operating cost estimation and contingency.
- Option appraisal and least-cost analysis.
- Appraisal documentation and business case structure.

- Workshop: preparing an appraisal framework for a sample project.

Day 2: Investment Appraisal and Cost-Benefit Analysis

- Discounted cash flow appraisal using NPV, IRR and payback.
- Cost-benefit analysis and economic valuation.
- Economic internal rate of return and shadow pricing.
- Willingness-to-pay and non-market valuation methods.
- Distributional analysis, affordability and equity considerations.
- Environmental and social impact assessment in appraisal.
- Workshop: running cost-benefit analysis on an infrastructure project.

Day 3: Project Finance Cash Flow Modelling

- Model design and structure for appraisal and finance.
- Construction and operating phase cash flows.
- Revenue modelling: tariffs, availability payments and user charges.
- Operating costs, capital expenditure and reserve accounts.
- Debt service reserve and distribution lock-up tests.
- Model auditing, error checks and documentation standards.
- Workshop: building an integrated appraisal and finance model.

Day 4: Infrastructure Financing Structures and Risk

- Limited recourse and non-recourse financing structures.
- Special purpose vehicle design and contractual framework.
- Risk identification and allocation across project parties.
- Public-private partnerships and concession design.

- Debt sizing against debt service coverage ratio targets.
- Interest rate, currency and inflation hedging.
- Workshop: sizing debt and testing covenant headroom.

Day 5: Structuring, Negotiation and Financial Close

- Loan documentation, covenants and security packages.
- Direct agreements, step-in rights and conditions precedent.
- Due diligence workstreams: technical, legal, insurance and market.
- Financial close checklist and disbursement mechanics.
- Refinancing, restructuring and distressed project options.
- Presenting an appraisal and financing recommendation to a committee.
- Workshop: presenting a full appraisal and financing case to a panel.

Conclusion

By successfully completing Project Appraisal & Infrastructure Finance Training Course, participants will have acquired the knowledge to test a project's economics and structure the financing behind it. They will understand feasibility and demand forecasting, cost-benefit analysis, project finance modelling, risk allocation, debt sizing and financial close, and they will know how to present an appraisal and financing case with evidence. As a result, delegates support better-informed infrastructure investment decisions. Gentex Training Center builds the programme around current appraisal and transaction practice.

FAQs for the Project Appraisal & Infrastructure Finance course

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Q1 What is the "Project Appraisal & Infrastructure Finance" course about?

It covers how projects are appraised and financed. You learn feasibility studies, demand and cost forecasting, investment appraisal and cost-benefit analysis, project finance modelling in Excel, risk allocation, debt sizing, financial close and refinancing, with practical case work.

Q2 What are the key benefits of the "Project Appraisal & Infrastructure Finance" course?

You gain one consistent basis for testing a project and funding it, rather than separate technical and financial views. You also improve forecast discipline, strengthen cost-benefit evidence, size debt against coverage targets, and present appraisal and financing cases that withstand committee challenge.

Q3 What skills will I gain from the "Project Appraisal & Infrastructure Finance" course?

You will gain feasibility study design and demand forecasting, investment appraisal and cost-benefit analysis, project finance cash flow modelling in Microsoft Excel, and infrastructure financing structuring, risk allocation and financial close management.

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

The course covers feasibility study and business case frameworks, demand and traffic forecasting, NPV, IRR, MIRR, payback and profitability index appraisal, cost-benefit analysis with economic internal rate of return and shadow pricing, willingness-to-pay valuation, environmental and social impact assessment, project finance cash flow modelling, debt service coverage ratio debt sizing, debt service reserve and distribution lock-up tests, special purpose vehicle structuring, public-private partnership and concession models, interest rate and currency hedging, and conditions precedent and financial close checklists.

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

Graduates apply it to build feasibility and appraisal models, test projects with cost-benefit analysis, prepare business cases for approval, structure financing and size debt, run technical, legal and insurance due diligence, manage conditions precedent to financial close, monitor covenants during operations, and evaluate refinancing or restructuring options.