Strategic Project Finance and Feasibility Analysis Training Course



23 - 27 Nov 2026

Cairo

3700 € (Per Person)

Ref: #PMP9904_280124

Course Introduction / Overview:

This comprehensive course provides a deep dive into the interconnected disciplines of project finance, feasibility analysis, and investment appraisal. In today's competitive global market, the ability to accurately assess the viability of large-scale projects and structure their financing is a critical skill for sustainable growth. This program is meticulously designed to equip participants with the analytical tools and strategic frameworks necessary to navigate the complexities of capital-intensive investments from inception to completion. Drawing on established principles and contemporary practices, the curriculum covers everything from initial feasibility studies to sophisticated financial modeling and risk mitigation. As highlighted by the renowned academic John D. Finnerty in his seminal work, "Project Financing: Asset-Based Financial Engineering," successful project financing relies on a robust understanding of cash flow predictability and risk allocation. BIG BEN Training Center has structured this course to bridge theory and practice, ensuring delegates can confidently evaluate project proposals, build dynamic financial models, and make informed investment decisions that create long-term value for their organizations. Participants will gain a holistic perspective, enabling them to structure deals that are both financially sound and resilient to market volatility.

Target Audience / This training course is suitable for:

- Financial Analysts and Managers.
- Project Managers and Directors.
- Corporate Finance Professionals.
- Investment and Portfolio Managers.
- Engineers and Technical Managers involved in project evaluation.
- Government Officials in public-private partnership (PPP) units.
- Commercial and Investment Bankers.
- Management Consultants.
- Business Development Executives.
- Entrepreneurs and Business Owners.

Target Sectors and Industries:

- Energy and Power Generation (including renewables).
- Oil and Gas.
- Infrastructure and Construction.
- Real Estate Development.
- Telecommunications and Technology.
- Mining and Natural Resources.
- Manufacturing and Industrial Projects.
- Transportation and Logistics.
- Governmental agencies and public sector entities.
- Healthcare and Pharmaceuticals.

Target Organizations Departments:

- Finance and Treasury Departments.
- Project Management Office (PMO).
- Strategic Planning and Corporate Development.
- Business Development and Sales.
- Engineering and Operations.
- Legal and Compliance Departments.
- Procurement and Contracts Management.
- Investment and Asset Management.
- Internal Audit and Risk Management.

Course Offerings:

By the end of this course, the participants will have able to:

- Master the core principles and structures of project finance.
- Conduct comprehensive technical, market, and financial feasibility studies.
- Develop detailed and dynamic financial models for project evaluation.
- Apply key investment appraisal techniques, including NPV, IRR, and Payback Period.
- Analyze and project cash flows for capital-intensive projects.
- Identify, assess, and mitigate the full spectrum of project risks.
- Understand the legal and contractual framework of project finance agreements.
- Structure financing packages involving debt, equity, and hybrid instruments.
- Perform sensitivity and scenario analysis to test project resilience.
- Evaluate and structure Public-Private Partnership (PPP) deals effectively.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring that participants not only learn the theory but can also apply it directly to their professional roles. We believe in a learning-by-doing approach, where complex concepts are demystified through real-world application. The course will feature a blend of expert-led presentations, in-depth case study analyses of both successful and failed projects, and hands-on financial modeling workshops. Participants will work in teams on practical exercises that simulate the entire project appraisal lifecycle, from conducting a feasibility study to presenting an investment proposal. These collaborative sessions encourage peer-to-peer learning and the exchange of diverse industry perspectives. Ample time is allocated for interactive Q&A sessions, group discussions, and one-on-one feedback from the instructor. This immersive learning environment fosters critical thinking and practical problem-solving skills, empowering delegates to return to their organizations with the confidence and competence to lead complex investment initiatives.

Course Agenda (Course Units):

Unit One: Fundamentals of Project Finance and Investment

- Introduction to Project Finance Concepts.
- Key Differences Between Corporate and Project Finance.
- Identifying Key Stakeholders and Their Roles.
- The Project Lifecycle from Conception to Operation.
- Understanding Special Purpose Vehicles (SPVs).
- Sources of Project Funding: Equity, Debt, and Mezzanine Finance.
- Global Trends and the Future of Project Finance.

Unit Two: Conducting Comprehensive Feasibility Studies

- The Importance of the Feasibility Study.
- Market and Commercial Feasibility Analysis.
- Technical and Operational Feasibility Assessment.
- Financial and Economic Viability Analysis.
- Legal, Regulatory, and Environmental Compliance.
- Conducting a Detailed Cost-Benefit Analysis (CBA).
- Writing a Bankable Feasibility Report.

Unit Three: Financial Modeling for Project Appraisal

- Best Practices in Financial Model Design and Structure.
- Building a Project Finance Model from Scratch.
- Forecasting Project Revenues, Operating Costs, and Capital Expenditures.
- Modeling Debt and Equity Financing Structures.
- Calculating Free Cash Flow to Firm (FCFF) and to Equity (FCFE).
- Integrating Key Financial Statements: Income Statement, Balance Sheet, and Cash Flow.
- Techniques for Auditing and Validating Financial Models.

Unit Four: Advanced Investment Appraisal Techniques

- Discounted Cash Flow (DCF) Valuation Principles.
- Net Present Value (NPV) and Decision Rules.
- Calculating and Interpreting the Internal Rate of Return (IRR) and Modified IRR (MIRR).
- Profitability Index (PI) and Payback Period Analysis.
- Comparing Projects with Unequal Lives.
- Sensitivity Analysis: Identifying Key Value Drivers.
- Scenario and Simulation Analysis (Monte Carlo).

Unit Five: Risk Management and Deal Structuring

- Identifying and Categorizing Project Risks (Market, Technical, Political, etc.).
- Qualitative and Quantitative Risk Assessment Techniques.
- Developing Effective Risk Mitigation and Allocation Strategies.
- Understanding Key Project Finance Documentation and Contracts.
- Negotiating Term Sheets and Financing Agreements.
- Case Study: Structuring a Public-Private Partnership (PPP) Project.
- Final Project: Comprehensive Evaluation and Presentation of an Investment Case.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

In an era of increasing global uncertainty and focus on sustainability, how should traditional investment appraisal metrics like NPV and IRR be adapted to properly value long-term ESG (Environmental, Social, and Governance) impacts?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by offering a truly integrated and holistic perspective on project investment, moving beyond siloed instruction on individual topics. While many programs teach finance, feasibility, or modeling in isolation, this curriculum is uniquely structured to demonstrate the critical interplay between these disciplines. Participants learn not just how to build a financial model, but how the inputs are derived from a rigorous feasibility study and how the outputs directly inform risk allocation and deal structuring. The emphasis is on practical application and strategic decision-making, using real-world case studies that reflect the complexities and challenges of modern capital projects. We focus on developing a commercial mindset, enabling participants to think like an investor, a lender, and a project sponsor simultaneously. The course content is continuously updated to reflect current market trends, including the growing importance of ESG factors in investment appraisal and the evolution of financing structures for renewable energy and infrastructure projects. This forward-looking approach ensures the skills learned are not only relevant today but will remain valuable well into the future.