# Project Finance Modeling Training Course

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | ACCOUNTING & FINANCE | **Duration** | 10 Days |
| **Base Fee** | $3,000 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Project Finance Modeling Training Course is designed to equip professionals with advanced skills in project structuring, financial forecasting, risk assessment, and investment decision modeling. This course integrates real-world financial modeling techniques, cash flow analysis, and structured finance principles to support large-scale infrastructure, energy, and corporate development projects globally. It is tailored for professionals seeking mastery in Excel-based modeling, valuation frameworks, and strategic project financing decisions.

In today’s competitive global economy, project finance modeling has become a critical capability for investment banks, infrastructure developers, private equity firms, and corporate finance teams. This training focuses on building robust financial models that support long-term capital-intensive projects, ensuring accuracy in forecasting, optimization of capital structure, and enhanced investment appraisal under varying risk scenarios.

## Programme Curriculum

**Project Finance Modeling Training Course**

**Introduction**

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building robust financial models that support long-term capital-intensive projects, ensuring accuracy in forecasting, optimization of capital structure, and enhanced investment appraisal under varying risk scenarios.

**Course Objectives**

1. Develop advanced project finance modeling and valuation expertise
2. Master cash flow structuring for infrastructure and capital projects
3. Understand debt structuring, equity financing, and hybrid instruments
4. Build dynamic Excel-based financial models for decision-making
5. Apply risk analysis and sensitivity modeling techniques
6. Learn scenario planning for financial forecasting accuracy
7. Evaluate project feasibility using IRR, NPV, and DSCR metrics
8. Understand global project finance frameworks and standards
9. Enhance investment appraisal and capital budgeting skills
10. Apply structured finance principles in real-world projects
11. Improve financial decision-making in high-value projects
12. Integrate ESG and sustainability in project finance models
13. Strengthen reporting and presentation of financial models

**Organizational Benefits**

- Improved financial decision-making accuracy
- Enhanced project success rates
- Stronger investment evaluation capabilities
- Better risk mitigation and control
- Increased financial forecasting reliability
- Optimized capital allocation efficiency
- Stronger stakeholder confidence
- Enhanced profitability of large-scale projects

**Target Audiences**

- Investment bankers and financial analysts
- Corporate finance managers
- Project managers in infrastructure and energy sectors
- Private equity and venture capital professionals
- Financial consultants and advisors
- Government infrastructure planners
- Risk management professionals
- Business analysts and financial strategists

**Course Duration:** 10 days

**Course Modules**

**Module 1: Introduction to Project Finance**

- Overview of project finance structure
- Key stakeholders in project financing
- Risk allocation principles
- Global financing frameworks
- Project lifecycle understanding
- Case study: International airport development financing

**Module 2: Financial Modeling Foundations**

- Excel modeling fundamentals
- Model structure design principles
- Data organization techniques
- Financial statement integration
- Error checking and validation
- Case study: Renewable energy startup model

**Module 3: Cash Flow Analysis**

- Operating cash flow modeling
- Free cash flow computation
- Discounted cash flow concepts
- Cash flow timing structures
- Revenue forecasting techniques
- Case study: Toll road infrastructure project

**Module 4: Debt Structuring**

- Senior and subordinated debt structures
- Interest calculation models
- Debt repayment schedules
- Covenant analysis
- Debt sizing techniques
- Case study: Power plant financing model

**Module 5: Equity Financing Models**

- Equity contribution structures
- Investor return modeling
- Dividend distribution analysis
- Equity IRR calculation

- Capital injection timing
- Case study: Tech infrastructure equity funding

**Module 6: Risk Analysis in Projects**

- Identifying financial risks
- Credit risk modeling
- Market risk assessment
- Operational risk evaluation
- Risk mitigation strategies
- Case study: Oil pipeline financing risk model

**Module 7: Sensitivity Analysis**

- Variable impact modeling
- Scenario-based forecasting
- Best and worst-case analysis
- Monte Carlo simulation basics
- Output interpretation
- Case study: Wind farm revenue sensitivity

**Module 8: Project Valuation Techniques**

- NPV and IRR modeling
- Payback period analysis
- Profitability index calculation
- Terminal value estimation
- Discount rate selection
- Case study: Hydropower valuation model

**Module 9: Capital Structure Optimization**

- Debt-equity balance strategies
- Weighted average cost of capital
- Financing mix optimization
- Leverage impact analysis
- Capital efficiency metrics
- Case study: Highway PPP project

**Module 10: Financial Forecasting**

- Revenue projection models
- Cost estimation techniques
- Long-term forecasting tools
- Inflation adjustments
- Macroeconomic integration
- Case study: Airport expansion forecasting

**Module 11: Excel Advanced Techniques**

- Macros and automation
- Advanced formulas
- Data visualization dashboards
- Model auditing tools
- Dynamic modeling systems
- Case study: Smart city financial dashboard

**Module 12: Infrastructure Project Finance**

- PPP and BOT models
- Government financing structures
- Infrastructure risk allocation
- Regulatory frameworks
- Contract structuring
- Case study: Metro rail project financing

**Module 13: Energy Sector Financing**

- Renewable energy modeling
- Power purchase agreements
- Tariff modeling structures
- Energy risk analysis
- Funding mechanisms
- Case study: Solar farm investment model

**Module 14: Mergers & Acquisition Finance**

- Acquisition modeling techniques
- Synergy valuation
- Deal structuring models
- Leveraged buyouts basics
- Post-merger integration analysis
- Case study: Utility company acquisition

**Module 15: ESG & Sustainable Finance**

- ESG integration in models
- Green financing structures
- Sustainability risk metrics
- Climate impact valuation
- Sustainable investment frameworks
- Case study: Carbon-neutral infrastructure project

**Training Methodology**

- Instructor-led interactive sessions
- Hands-on Excel-based modeling practice
- Real-world project case studies
- Group financial simulation exercises
- Industry scenario analysis workshops
- Live problem-solving sessions
- Continuous assessment and feedback

**Register as a group from 3 participants for a Discount**

**Send us an email: info@fineskilltrainingcenter.org or call** *+254769199797*

***Certification***

*Upon successful completion of this training, participants will be issued with a globally- recognized certificate.*

***Tailor-Made Course***

*We also offer tailor-made courses based on your needs.*

**Key Notes**

**a.** The participant must be conversant with English.

**b.** Upon completion of training the participant will be issued with an Authorized Training Certificate

**c.** Course duration is flexible and the contents can be modified to fit any number of days.

**d.** The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

**e.** One-year post-training support Consultation and Coaching provided after the course.
**f.** Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 04 Dec 2026 | Online | $2,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $3,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $9,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

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