

Financial Modelling for Project Managers

(Course Outline for 24 hours Workshop)

About the Workshop

Financial modelling is a powerful tool for projecting the future financial performance of a company or project. This workshop is designed to equip project managers and business professionals with the skills to build robust and dynamic financial models. Through practical sessions and case studies, participants will learn key Excel techniques, financial modelling best practices, and business valuation concepts. By the end of the workshop, participants will be able to create integrated financial models, analyze outcomes, and make better project and business decisions.

Learning Outcomes

- Develop advanced Excel skills and use the principles of well-designed spreadsheets to work efficiently
- Learn to build dynamic financial models, including forecasting revenue and cost drivers.
- Create integrated financial statements, including income statements, balance sheets, and cash flow statements.
- Understand the concept of discounted cash flow (DCF) valuation, including free cash flows and cost of capital.
- Analyze and interpret financial models, identify key drivers, and run sensitivity analyses.
- Apply best practices in model design, layout, and error checking.

Target Audience

This workshop is designed for project managers and business professionals who want to strengthen their financial decision-making skills by learning how to build and use financial models. This includes:

- Project managers and business leaders involved in planning and evaluation
- Finance managers and controllers
- Management consultants and strategy professionals
- MBA and other professionals seeking to strengthen financial modelling knowledge

Participants are expected to have a basic knowledge of MS Excel. No prior experience in financial modelling is required.

Course Outline

MS Excel Essentials for Financial Modelling

- Referencing vs Spilled array concept
- Logical and Conditional functions
- Conventional vs. New-age Lookup
- Data analysis and visualization using Pivot Table
- What-If Analysis
- Key Charts for Dashboarding

Pre-Operations Modelling

- Modelling the project set-up cost elements
- Incorporating financing including modelling debt and interest during construction (IDC)
- Breaking circular references in the model using Excel's in-built functionality and VBA Macros

Financial Modelling Comprehensive Case for Operations

- Setting up a robust financial model from start to end
- Understanding forecasting, setting up revenue and cost drivers, capital expenditures, depreciation, financing structures, tax and dividend related inputs, calculations and outputs
- Setting up integrated financial statements and analyzing them

Business Valuation

- Understanding valuation concepts, including key factors to consider
- Computing free cash flows
- Estimating cost of equity using CAPM model
- Understanding tax shield to arrive at cost of debt
- Computing weighted average cost of capital
- Evaluating Gordon Growth Model for Terminal value computation
- Running sensitivities by changing key variables used in valuation