



FINANCIAL MODELLING USING EXCEL

OBJECTIVES:

With this new service, the delegate can complete a course while improving his or her skills while working – instead of being hauled out of the work situation.

WHO SHOULD ATTEND?

This online training course will not only be of benefit to planning team members, but it will also provide useful insights and tools for other professionals in related fields, in particular, the online course will greatly benefit:

- Financial accounting team members
- Cost and management accounting staff
- Finance managers
- Budget managers
- Commercial managers
- Capital investment and project team members
- Investment analysts and acquisition team members
- Risk managers

BENEFITS

- **Participation in an interactive workshop**
- **Learn from a recognised expert with cross industry experience**
- **Comprehensive course documentation**
- **Immediate implementation in the workplace**

REQUIREMENTS

- Reliable internet
- MS Teams, Zoom or compatible



YOUR FACILITATOR

Karl is a highly experienced trainer in the corporate environment, highly qualified in Educational theory and methodology. Karl has trained in the corporate sphere for 20 years, and prior to that, lectured degree programs for the University of the Witwatersrand.



Karl has taught Project Management and MS Project to hundreds of staff at CSIR, he has taught Project Management, Database design and MS Projects to Sanbio Project for SADC scientists and researchers funded by the Finnish Government.

Upon completion of this course, the participant should be able to:

- Participate in and support the planning and forecasting process
- Apply advanced Excel financial modelling skills in these key processes
- Effectively use Excel's data analytics tools
- Construct financial models for critical investment decision-making
- Develop models to help manage business risk and uncertainty



SESSION 2 - 4 ½ HOURS

ASCERTAIN PRE-EXISTING SKILLS

Examine the most helpful and effective elements of Excel for Financial Modelling. Delegates always marvel at the simple but essential techniques.

- The aims and principles of planning and forecasting
- Building a framework for effective strategic execution
- Measuring and managing key performance indicators (KPI's)
- Key principles of financial modelling
- Predictive analytics and data visualisation in Excel
- Key financial model skills: building a cash flow forecast model
- Using Excel's discounted cash flow analysis functions
- Key financial model skills: building a capital investment appraisal model
- Identifying and analysing business risk
- Key financial model skills: building a "what-if" forecast for sensitivity analysis
- Using financial modelling in excel to present strategic business decisions
- The effects of inputs on outputs in a model

What if analyses

- Data tables
- Goal seek
- Solver, including constraints
- Scenarios
- Applying all above tools to a cash flow analysis and measuring key performance indicators.

Using Excel's Power Query and PowerPivot tools for financial modeling

- Extracting the data from various sources, including text files
- Transforming the data using Power Query
- Examining trends and analyzing financial data with PowerPivot's new powerful tools
- Generating charts and Maps based on the data

Creating Dashboards for Financial Modelling

- Based on the clean data, maps, pivot tables, trend analysis, charts, matrices for effective analysis.
- Using slicers as defective filters for the data.
- Creating a discounted cash flow valuation model

VNP, IIR, DB

- Using these financial functions to perform a sensitivity analysis
- Synthesising these functions with what if analysis such as solver, scenarios and data tables
- Optimising the spreadsheet for data input and output, using data validation, iferror and vlookup functions

Forecast Sheets

- Using normal line charts with forecast periods
- Creating a forecast chart based on current data
- Using slicers as defective filters for the data.

Data Consolidation and Auditing

- Using multiple worksheets to consolidate the data for financial analysis
- Using the auditing and formula features to identify precedents and dependents.
- Creating sparklines and bars to show trends
- Using conditional formatting to display emphases and trends

Optional Extra

- Viewing Microsoft's new PowerBI to create canvases for presentation of financial data, including maps, matrices, cards and KPI's.

