

In-house Training conducted for PwC, E&Y, Jaguar, Deloitte, Amazon, Flipkart, Tata Motors, Uber, RioTinto, Gulf Oil and many more such prestigious organizations

presents Ninja-level

Excel Modeling

- Live Online Training

hello@yodalearning.com

Project Finance & Modeling

The Training Program will take the participants on a journey which will facilitate them to thoroughly Understand sturdy Money Models and Build Robust Financial Models.

The participants will learn how to: Perform Calculations that cover Revenues, Manage Operating and maintenance Cost, Understand Capital Budgeting by scheming Capital Expenditure, depreciation, debt and equity.

We want the learners to take a lead in finance and taxation. To bring out their full potential in the formation of integrated financial statements for the entity in question.

The model is dynamic in nature, with the flexibility to run totally different situations and regulate the temporal order of key events. The participants will learn to avoid the Modelling Errors. They'll be able to tailor the output of the model to the end users which will help them to interpret the results, study the sensitive areas and optimize the Process if needed.

Not just this much, the course utilizes tried and tested modelling approaches adopted by Big Four practitioners worldwide. The techniques covered aims to encourage the Participants work on models that are flexible, robust, transparent and user-friendly in nature.

Learn the exact same strategies I teach to professionals at these organizations



Deloitte.



UBER

RioTinto



Project Finance & modeling

Excel Foundation for Financial Modeling -0.5 day

- Essential Shortcuts:
 - Sheets and Data Navigation
 - Show all formulas
 - Using \$
 - Go To (Special)
 - Entering values
 - Copy Pasting formulas
- Logic Building Formulas: IF, AND, OR, MAX and MIN
- Scenario Building Formulas: INDEX, VLOOKUP, MATCH, CHOOSE, OFFSET
- What if Analysis Switches: Spin Button, Drop Down list, Scroll Bar
- Calculation Formulas: EDATE, EOMONTH, DATE, YEAR, MONTH, DAY, SUMPRODUCT, SMALL, LARGE, SUMIF, COUNTIF, MROUND



Excel based Financial Modeling (Greenfield Solar Power Project) – 1.5 days

FAST™ Modelling Standard: www.fast-standard.org - a set of rules on the structure and detailed design of spreadsheet based models. (Flexible, Structured, Appropriate and Transparent).

General Flow:

Mini-case lets will be used to explain the concept of Flags, Circularity Switch, scenario building formulas and logic building Excel functions

One case study will be taken up to explain the general linkages between Assumptions, Working Schedules, Income Statement, Balance Sheet and Cash Flow Statement. This will ensure that the model is correctly integrated.

A full blown Financial Model (Greenfield Solar Power Project) will be taken up

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Pre-requisite:

1. Participants are expected to have **prior knowledge** of -
 - Sort & Filter; SUM(), MAX(), MIN(), AVERAGE(), UPPER(), LOWER(); Basic VLookup
 - Freeze Panes, Add/Delete Rows/Columns/WorkSheets
2. Program **not meant** for participants seeking basic knowledge of Excel

Project Finance & modeling

Specific areas which require attention and will be covered as a part of the model:

- Assumptions build-up (Project Start Date, Gestation Period, Project Commissioning Date etc.)
 - Accommodating project delays
 - Upfront capex in a phased manner
- Building automated timeline (FY)
- Timing and Event activation Flags (True/False)
 - Operation Start Flag
 - Operation Continued Flag
 - Operational Year sequence counter
 - Loan Repayment Flag
- Revenue Buildup (PPA / Merchant Sale) with YoY escalation in prices
- Capex Schedule (The journey from Capex > CWIP > PPE or Gross Fixed Assets)
- Use of BASE Analysis (Beginning, Addition, Subtraction, Ending)
- Amortization/Depreciation schedule
 - Building depreciation calculations that stops after the book balance is fully depreciated
- Interest during Construction (IDC) – to be capitalized
 - Hard Capex vs. Soft Capex (IDC)
 - Dividing Interest accrued between IDC and P/L in the year of start of operation
- Waterfall Structure of funding
 - Equity drawdown, followed by Debt and Grants
- Incorporating Revolver Balance & Minimum Cash Balances
- Debt schedules & repayment
- Working Capital schedule & Linkages
- Building iterative calculation for Interest
 - Incorporating circularity switch to build a failsafe mechanism in case iteration leads to irreversible errors
- Others: IRR, NPV, Ratios, What If Analysis, Relevant Shortcuts

ASSUMPTIONS			
INPUTS - GENERAL			
Days in year	365	days	
Months in year	12	months	
Hours per day	24	hours	
Hours per year	8760	hours	
Months in half year	6	months	
Currency	USD	currency code (e.g. USD, EUR)	
Commissioning date	1/1/2020	date (YYYY-MM-DD)	
Commissioning period (half)	6	months	
Additional Commissioning period for Post	0	months	
Operational period	27	years	

Assumption Sheet

Income Statement, Balance Sheet & Cash waterfall

CASH WATERFALL			
EBITDA		USD mil	11
less Tax paid		USD mil	
less Changes in NWC		USD mil	
less Stay-in-business capital expenditure		USD mil	
plus Interest earned		USD mil	
14,646.26	Cash available for Senior debt service	USD mil	11
less Senior debt interest paid		USD mil	
less Senior debt principal paid		USD mil	
	Cash available for Senior DSRA	USD mil	1
less Transfer to DSRA		USD mil	
plus Release from DSRA		USD mil	
11,812.44	Cash available for Senior Debt Cash Sweep	USD mil	1
less Senior Cash Sweep		USD mil	

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