Advance Program in Financial Modeling

(Course duration: 100 hrs.)

1. Excel Proficiency (12 Hrs)	• Formatting of Excel Sheets • Use of Excel Formula Function • Advanced Modeling Techniques • Data Filter and Sort • Charts and Graphs • Table formula and Scenario building • Lookups: Vlookup • pivot tables
2. Financial Statemment Analysis (20 Hrs)	• Introduction to Financial Statement Analysis • Financial Reporting Mechanics, • Understanding Income Statement, Balance Sheet, • Cash Flow Statement, • Financial Analysis Techniques, • Inventories, Long Lived Assets, • Non Current Liabilities, • Financial Statement Application
3. Financial Ratios (4 Hrs)	• Ratio analysis of industries • Du point Analysis • Peer to peer analysis • Preparation of Financial Analysis report on an industry
4. Financial Management & Corporate Finance (4 Hrs)	• Time value of money • Long term financing • Cost of capital • Measure Of Leverage
5. Project Finance Modeling (5 Hrs+ 5 Hrs. Sugar Model)	• Why Project evaluations • Stage of project • Construction & development phase • Funding during investment phase • Costs during investment phase • Life of project; decision making • Cash flow waterfall & resolve circular reference problem in interest during construction
6. Equity Research - Modeling (You will learn how to prepare Indian & international Equity models from scratch) (18 Hrs)	Prepare an Income Statement, Balance sheet, Cash Flow Statement, Geographic Revenue Sheet, Segment Revenue Sheet, Cost Statement, Debt Sheet, Analyze Revenue Drivers. Forecast Geographic Revenues, Segment Revenues, Geographic Revenues, Cost Statement, Debt, Income Statement , Balance Sheet, Cash Flow Statement. Performa Adjustments, Income Statement - Compute Margins, Balance Sheet -Compute Ratios. Cash Flow Statement Projection, Valuation- Discounted Cash Flow Method (DCF), Valuation Prepare Valuation Model, Prepare Presentation Sheet, Prepare Company Overview , Sector Overview
7. Report Writing & Sector overview (2 Hrs)	• Report Writing: On the basis of Financial Modeling, • Overview of different sectors such as retail, telecom, IT, Oil & Gas etc.
8. SQL (6 Hrs)	Introduction to Databases

	- Terminologies - Records, Fields, Tables
	- Introduction to database normalisation
	- Primary Key
	- How data is accessed
	
	Introduction to SQL
	  - SQL Syntax
	  - SQL data Types
	  - SQL Operators
	  - Table creation in SQL : Create, Insert, Drop , delete and updating
	
	Introduction to SQL - Table access & Manipulation
	  - Select with Where Clause (In between, logical operators, wild cards, order, group by)
	  - SQL constraints
	  - Concepts of Join - Inner, Outer
	
	Case study

9. Advance Macros & VBA for Finance (12 Hrs)	• Understanding Macros and VBA,
	• Understanding Macros and VBA,
	• Recording Macros,
	• Stepping into the code,
	• Understanding basics of coding,
	• Understanding objects and control statements in VBA code,
	• Application of macros to Financial modeling :
	  -Developing solution to circular reference problem
	  -Developing sensitivity table
	  -Developing scenario analysis
	  -Developing simulation
	  -Examples will be based on project models.

10. Investment Banking – Merger & Acquisitions (12 Hrs)	• Introduction to Investment Banking -Merger and Acquisitions
	• Types of M&A: Merger ,Acquisition ,Consolidation ,Spin-off
	• Drivers for M&A
	• Accounting for Mergers: Purchase Method & Pooling Method
	• Differentiate between financing and operating synergies
	• M&A Regulatory Environment
	• Developing M&A Models:
	  Integration of Financial Statements between
	  (Target and Acquirer)
	  -Valuation -DCF, Relative and Transaction Comps
	  -Developing Merger Model
	  -Developing Synergies

11. Financial Modeling - NSE India Certification Exam	After completion of above topics students have to take the Financial Modeling Certification Exam. On clearing the exam, students will get NSE Financial Modeling Certificate.
12. Capstone Project	Benefits of Capstone Project: • At the end of this Capstone, you'll be able to ask the right questions of the data, and know how to use financial data effectively to address business challenges of your own. • Once you are done with the Project, you'll be better prepared to do Valuation of a company and will able to come out with the Report. • If you dont have relevant experience in Financial Modeling, then with the help of Capstone project you can show your expertise in the job interview. • Additional Certificate on Capstone Project from IMS Proschool