

# Financial Modeling using Excel & VBA

## Workshop Title:

Financial Modeling using Excel & VBA

## Target Audience:

Finance executives / managers, MIS executives, Risk Management Executives, Research Analysts, Financial Analysts, Security Analysts, Budget Analysts, Software solution providers, Investment Advisors

## Duration:

Two day (9.30 a.m. – 5.30 p.m.)

## Methodology:

Laptop based exercises & a book on Financial Modeling

## Registration Fees:

Rs. 13,000/- plus taxes

## Workshop Objective:

The objective of the course is to provide basic as well as complex modeling skills with practical training and hands on exercises on financial modeling using spreadsheets and VBA.

## Contents:

### Introduction to Financial Modeling and Spreadsheet.

- What is Modeling?
- Limitations of models built in spreadsheets
- Unleash the power of VBA
- Design Principles for VBA models

### Introduction to VBA

- Understanding the design environment Visual Basic Editor (VBE)

### Coding Basics

- Record Macro Function
- Variables, Data Types and Constants
- Understanding Functions and Subroutines

### Case Study

Recording of macros to eliminate repetitive processes

### Understanding excel objects – Part 1

- The Excel VBA Object Model
- Applying VBA Objects
  - Workbooks
  - Worksheets

### Understanding excel objects – Part 2

- Applying VBA Objects
  - Cells
  - Range
  - Charts

### Coding to remove specific issues of circularity in the financial models – Part - 1:

- Interest during construction
- Working capital margin
- Tax calculations. Carry forward of losses, MAT credits, etc.

# Financial Modeling using Excel & VBA

## Contents (Cont):

### Coding to remove specific issues of circularity in the financial models –

#### Part - 2:

- Cash balance in Balance sheet is linked to Cash flow statement
- Interest income on cash balance is taken back in Profit and Loss account
- Macros to destroy/hide the data visible on the model after a specified number of days