![NSE Academy logo]

Professional Certificate in

FINANCIAL
MODELING AND VALUATION

🛜 **Live Online**   ⏳ **18 Hours**   📅 **One Month**

- ◾ Develop financial models for forward looking projections
- ◾ Designed for roles across (back-office, middle-office, and front-office) finance functions
- ◾ Delivered by senior industry professionals over the weekends

PROGRAM **OVERVIEW**

This hands-on program equips professionals with practical skills in financial modeling, and valuation using spreadsheets. Designed for roles across back-office, middle-office, and front-office finance functions, the curriculum progresses from foundation in MS Excel to advanced modeling techniques.

Participants will learn to build financial models using historical financial data, forecast future performance, and apply valuation methods such as DCF and comparable. From the sector-specific case studies in BFSI, Energy and Infrastructure, the program provides a practical perspective to the participants. Whether you're advising clients, managing funds, or structuring deals, this program delivers the tools and know-how to create models, analyse, and communicate financial insights effectively.

PROGRAM **HIGHLIGHTS**

- **Learn to build financial models in Excel :** Acquire hands-on skills in building interactive financial models using advanced Excel functions and tools.

- **Analyse Financial Statements :** Develop a foundation in interpreting and evaluating financial statements to uncover financial health of a business.

- **Apply valuation techniques in practical scenarios :** Use DCF, comparable, and sensitivity analysis to value companies and assess investment opportunities.

- **Model Complex Projects:** Develop integrated models for complex projects including NPV, IRR, and interest capitalization in industries like manufacturing, energy and BFSI among others.

- **Create Interactive Dashboards :** Design Excel dashboards with slicers, sparklines, and dynamic visuals to present financial insights effectively.

- **Sector-Specific Applications :** Apply modeling skills across manufacturing, energy and BFSI sectors for targeted investment analysis.

PROGRAM **OUTLINE**

Session 1
Excel Foundations for Financial Modeling

- Key Excel functions:
  - String, OFFSET, GOAL SEEK, DATA TABLE
  - Referencing ($ usage), linking sheets/ files
  - Custom formatting, Macros
- Excel tips for model efficiency

Hands-on:

Create a financial model using Excel for break-even analysis for an Infrastructure company using historical data in public domain

Session 2
Business & Financial Statement Fundamentals

- Understanding business and operating models
- Financial statements:
  - Historical data creation
  - Assumptions and forecasting
- Data collection and structuring

Hands-on:

Analyse financial statements for a BFSI company using public data sources such as annual reports and investor presentations.

Session 3
Core Financial Modeling Techniques

- Revenue and cost build-up
- Asset and depreciation schedules
- Working capital, debt, equity modeling
- Tax and cash flow projections

Hands-on:

Build financial model for an energy company

(Include assumptions for tariff growth, capex, and debt infusion)

Session 4
Valuation Techniques

- Cost of Equity (CAPM), Net cost of debt, WACC
- DCF (FCFF, enterprise value)
- Comparable company analysis
- Sensitivity and scenario analysis

Hands-on:

Perform valuation of a technology / healthcare company using DCF & comparable analysis (Run sensitivity analysis on commodity price changes)

Session 5
Project Valuation Modeling

- Integrated financial models
- NPV and IRR basics
- Modeling delays and circular logic
- Interest during construction

Hands-on:

Case Study: Build a project valuation model for a renewable energy project

(Include flexible cash flow timing and interest capitalization)

Session 6
Capex, P&L, Dashboards & Final Integration

- EPC and Capex schedules
- Project P&L and asset schedule
- GANTT chart for tracking
- Excel dashboard creation

Hands-on:

Create an interactive dashboard for a company's financial KPIs Including pivot charts, slicers, sparklines, and dynamic titles.

LEARNING **OUTCOMES**

By the end of the program, participants will be able to:

- Use Excel formulas & tools to build and analyse a financial model.

- Model future financials including revenue, costs, and cash flows.

- Apply DCF and comparable to value a company and test scenarios.

- Build a project model with NPV, IRR, and interest capitalization.

- Integrate financials into a dashboard with dynamic Excel visuals.

RESOURCES FOR PARTICIPANTS

Participants will receive access to templates in financial modeling:

- **Corporate Finance Managers:** Excel-based forecaste models for company's future financial position.

- **Investment Bankers:** Deal structuring checklists and valuation frameworks for investment-related transactions.

- **Portfolio Managers:** Allocation strategies and financial dashboards for integrating funds into diversified portfolios.

- **Fund Managers:** Due diligence templates and risk modeling tools for evaluating various investment opportunities.

SECTOR-FOCUSED APPLICATIONS:

Explore how financial modeling can be applied through industry-specific financial models and valuation techniques:

- **Banking & Financial Services:** Use financial dashboards and scenario analysis to enhance client portfolio strategies.

- **Private Equity & Venture Capital:** Apply forecasting and valuation models to forecast the financial health of a company.

- **Technology & Startups:** Build financial models to support early-stage funding.

- **Manufacturing & Infrastructure:** Develop project valuation models to attract capital through investments.

TARGET AUDIENCE

This program is designed for a diverse set of professionals and aspirants involved in financial modelling, investment analysis, and fund structuring:

- **Finance Professionals & Analysts** working in corporate finance, treasury risk, portfolio management and similar roles who aim to deepen their analytical and modeling capabilities.

- **M&A, VCs & Investment Bankers** seeking to practice deal structuring, accurate valuation techniques, and strategic transaction advisory.

- **Fund Managers** planning to launch or manage investment vehicles across various stages of the startup lifecycle.

- **Students** in the final year of professional programs such as MBA, CA, CMA, and similar courses, aiming to enhance their employability.

PROGRAM **FEE**

₹14,400/- + Taxes

Fee includes:

- Live Sessions, Hands-on Activities & Assessment
- Session's Recording
- NSE Academy Premium Digital Courses on
  a. Analysis for Investment
  b. Behavioural Finance

Contact NSE Academy for corporate pricing and nominations

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The Professional **Certificate of Completion** will be awarded to participants upon securing 60% or above in the final assessment.

Participants who score less than 60% in the final assessment or do not attempt it, will receive a Certificate of Participation in the program name without the Professional Certificate Badge.

ABOUT **NSE ACADEMY**

NSE Academy Limited is a wholly owned subsidiary of the National Stock Exchange of India Ltd. NSE Academy Limited enables the next generation of BFSI and FinTech professionals with industry- aligned skills – through capacity building programs and certification courses, powered by an online examination and certification system. The courses are well-researched and carefully crafted with inputs from the industry professional. NSE Academy Limited works closely with reputed universities and institutions across India in building a competent workforce for the future of BFSI and FinTech. NSE Academy Limited also promotes financial literacy as an essential life skill among youngsters – a contribution towards financial inclusion and wellbeing.

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