

**ET** Masterclass

From the Economic Times

WORKSHOP ON  
**FINANCIAL ANALYSIS  
& MODELING FOR  
BUSINESS DECISIONS**

Learn effective modeling techniques  
with a special focus on Artificial  
Intelligence & Machine Learning

**JUNE 10-11, 2022 | ONLINE**



# PROGRAM OUTLINE

Financial analysis and modeling have become imperative tools to make business and financial decisions. This skill set is now required by finance professionals, strategists, and marketers alike to develop their financial and data literacy to better understand a fundamental component in every organization.

This Masterclass aims to equip financial executives and managers with major techniques in accessing financial modeling and also sensitize them to the underpinnings of artificial intelligence and machine learning that are applied in the finance industry for better results and crucial business decision makings. This intensive, two-days hands-on workshop will not only build your technical foundation but will also enable you to have hands-on learning of cutting-edge AI models that are ready for real-life applications.

# AGENDA

## DAY 1

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**SESSION 1 :** The essentials of quantitative analysis and modeling -  
Structure your own models **[11:00 AM - 12:30 PM]**

- › Key ideas and process of quantitative modeling
- › Knowing your numbers the correct way
- › How to analyze the past, present, and forecast the future of your business through numbers?
- › Assessing the company's financial health
- › Creating your own models for your business/enterprise

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**SESSION 2 :** Using Spreadsheet Modeling **[ 12:45 PM - 02:15 PM]**

Automate Tasks with VBA

- › Identify real world situations to apply VBA
- › Write Powerful code to automate processes

ETL with Power Query Modelling with Power Pivot

- › Connect to multiple files and do advanced ETL with M language
- › Create Pivot Tables with multiple tables and add calculations to the model

# AGENDA

## DAY 1

### Automate Tasks with VBA

- › Identify real world situations to apply VBA
- › Write powerful code to automate processes

### Create complex, dynamic calculations with Dynamic Arrays, LET, LAMBDA

- › Excel is now Turing complete and Dynamic Arrays now allow multiple results with a single formula
- › Take a peek at 20+ functions that have been introduced

### Future of Excel with Java Script Type Script

- › Glimpse into the world of web apps and TypeScript (VBA for Excel Online)

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### **SESSION 3 :** Modeling risks, realities, and sound decision making **[02:30 PM - 03:45 PM]**

- › Creating quantitative models to reflect complex realities
- › How to include them in your model elements of risk and uncertainty
- › Creating predictive models for identifying optimal choices
- › Basics of the measurement and management of risk
- › Processes of modeling common business and financial scenarios
- › Application of modeling techniques to better decision making

# AGENDA

## DAY 2

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### **SESSION 1 : AI and ML for business decisions [11:00 AM - 12:30 PM]**

- › Implementation of AI and ML for interpretation of big data
- › Limitation and challenges
- › Ways to drive accuracy

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### **SESSION 2 : Machine learning and AI in finance [12:45 PM - 02:45 PM]**

- › Algorithmic trading
- › Fraud detection and prevention
- › Process automation
- › AI in financial risk management

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### **SESSION 3 : AI and ML-driven transformations [03:00 PM - 04:30 PM]**

- › AI and ML-based strategies to gain a competitive advantage
- › Tools to lower the barriers to AI use
- › Real-world business case studies

# PROGRAM HIGHLIGHTS



Hands on sessions with top industry experts

No technical background required



Learn ready to apply AI and ML in finance

Opportunity to interact directly with the experts and clear doubts

Certificate of Participation

# WHAT YOU WILL LEARN

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Make informed business and financial decisions

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Apply complex modeling features in Excel to a scenario

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Make choices based on data analytics that move your firm forward

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Identify the best opportunities for success and minimize risk

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Hands on understanding of workings of AI and ML in finance

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Harness the power of spreadsheets to map data and build models and decision trees

# WHO SHOULD ATTEND

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Corporate Finance Executives, Managers, and Leaders

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Commercial Bankers

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Risk Managers

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Accounts Professionals (due diligence, transaction advisory, valuations, etc)

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Investment Bankers

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Portfolio Managers

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Financial Planning & Analysis (FP&A) Leaders



# REGISTRATION

Contact us if you have any queries. We're available from Monday to Saturday from 10:00 AM to 6:00 PM.

## NOMINATE YOUR LEADERSHIP TEAM

Access to Masterclass  
**@INR 15,000**  
Plus GST/Participant

Access to Masterclass + Recordings  
**@INR 18,000**  
Plus GST/Participant

GROUP DISCOUNT AVAILABLE!

FOR MORE INFORMATION & REGISTRATION, CONTACT

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