



Batch  
2

# Executive Program in Financial Analytics

*"An investment in knowledge pays the best interest."*

*— Benjamin Franklin*



## ABOUT IIM JAMMU



The Indian Institute of Management (IIM) brand has now become synonymous with innovation, talent, and zeal for success and contribution in management.

The Government of India established the Indian Institute of Management Jammu (IIM Jammu) in Jammu and Kashmir in 2016. IIM Jammu has set up an off-campus at Srinagar dedicated to Executive Education and another transit campus at Jallo Chak in Jammu.

From the very beginning, IIM Jammu has set high standards for outstanding value-based quality education, high-quality research, executive education, consultancy, and strong corporate as well as international linkages.

IIM Jammu also encourages contemporary research concentrating on regional, national and global issues. IIM Jammu offers a mix of academic programs such as Doctoral Program, Master of Business Administration, Master of Business Administration (Hospital Administration and Health Care Management) and Integrated Program in Management. Apart from quality management education and executive training, IIM Jammu is also involved in several consultancy projects sponsored by state and central governments and International agencies.

### Membership of Accreditation Bodies\*



**\*Accreditation Process Ongoing**

## PROGRAM DIRECTORS

Dr M. Vijaya Prabhagar completed his Doctoral degree in Data Analytics and Machine Learning from the National Institute of Technology, Tiruchirappalli.

His research interests predominantly revolve around the Performance Improvement of Advanced Machine learning Techniques such as, Self-Organizing Map, Neural Networks, Random Forest and Clustering.

He has published research articles in International Journals such as, Neural Computing and Applications, Soft Computing, Multimedia Tools and Applications and Business Process Management.



**Dr M. Vijaya Prabhagar**  
Assistant Professor, IT Systems & Analytics



**Dr Malaya Ranjan Mohapatra**  
Assistant Professor, Finance & Accounting

Dr Malaya Ranjan Mohapatra completed his Ph.D. in Accounting & Finance from the Indian Institute of Technology (IIT) Kharagpur. Dr. Malaya is a gold-medallist in Master of Commerce (M.Com.) from Ravenshaw University, Odisha.

He has published research papers in ABDC ranked journals and presented research papers at various National and International conferences in India and outside India.

His research interest includes corporate governance, earnings management, firm performance, and sustainability reporting.

## PROGRAM DETAILS



### OBJECTIVES

The course is a blend of finance, statistics, and analytics to equip the participants with the required skill sets in analyzing financial data. Participants will learn why, when, and how to apply statistical models on financial data to take real time day to day decisions in financial markets. By the end of this course, the participants should be able to:

- Build and use successful models using analytics in the domain of accounting, trading, forecasting, risk management, portfolio management, etc.
- Identify and describe financial analytical techniques
- Illustrate application of statistical tools and models in analyzing financial data

## PROGRAM CONTENTS

- ▮ Nature of Data in Finance and Sources of Financial Data
- ▮ Fundamentals of Statistics
- ▮ Introduction to R and Python
- ▮ Cleaning and Pre-processing Data
- ▮ Exploring Data Analysis
- ▮ Machine Learning
- ▮ Building Models using Accounting Data
- ▮ Business Valuation Analytics
- ▮ News Analytics
- ▮ Time Series Analysis and Forecasting
- ▮ Portfolio Analytics
- ▮ Building Trading Algorithms
- ▮ Building Stock Prices Forecasting Models using Machine Learning
- ▮ Credit Risk Modelling





## CERTIFICATION

### Certificate of Completion

To qualify for Certificate of completion the following criteria needs to be fulfilled:

- (a) Each participant is expected to have 60% & above attendance
- (b) "Fail" in not more than two subjects/courses/modules.

*If the student fails to meet any of the certificate criteria, then he/she will be provided with, "Certificate of Participation" from IIM Jammu.*



**Certificate Issued By : Indian Institute of Management Jammu (IIM Jammu)**

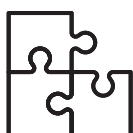
\*This program does not confer any Degree/Diploma/Post-Graduate Certificate on the participant by IIM Jammu. It is a Management/Executive Development Program where a certificate is issued on successful completion/participation.

## PEDAGOGY

The program will be largely taught through class discussions followed by hands-on sessions to build the necessary skills in the participants. The participants will be expected to consult reading materials, work on exercises and assignments, deliver presentations and participate in other evaluation components that will be designed to reinforce the learning outcomes. The program will be delivered by faculty members from prestigious institutions like Indian Institute of Management Jammu and industry practitioners. Throughout the duration of the course, students will have the flexibility to reach out to the professors either real time during the class or offline to raise questions and clear doubts.

## EVALUATION METHODOLOGY

Evaluation will be done by Indian Institute of Management Jammu (IIM Jammu) through the following two components:



**Quizzes**



**Project Work**



## PROGRAM BENEFITS

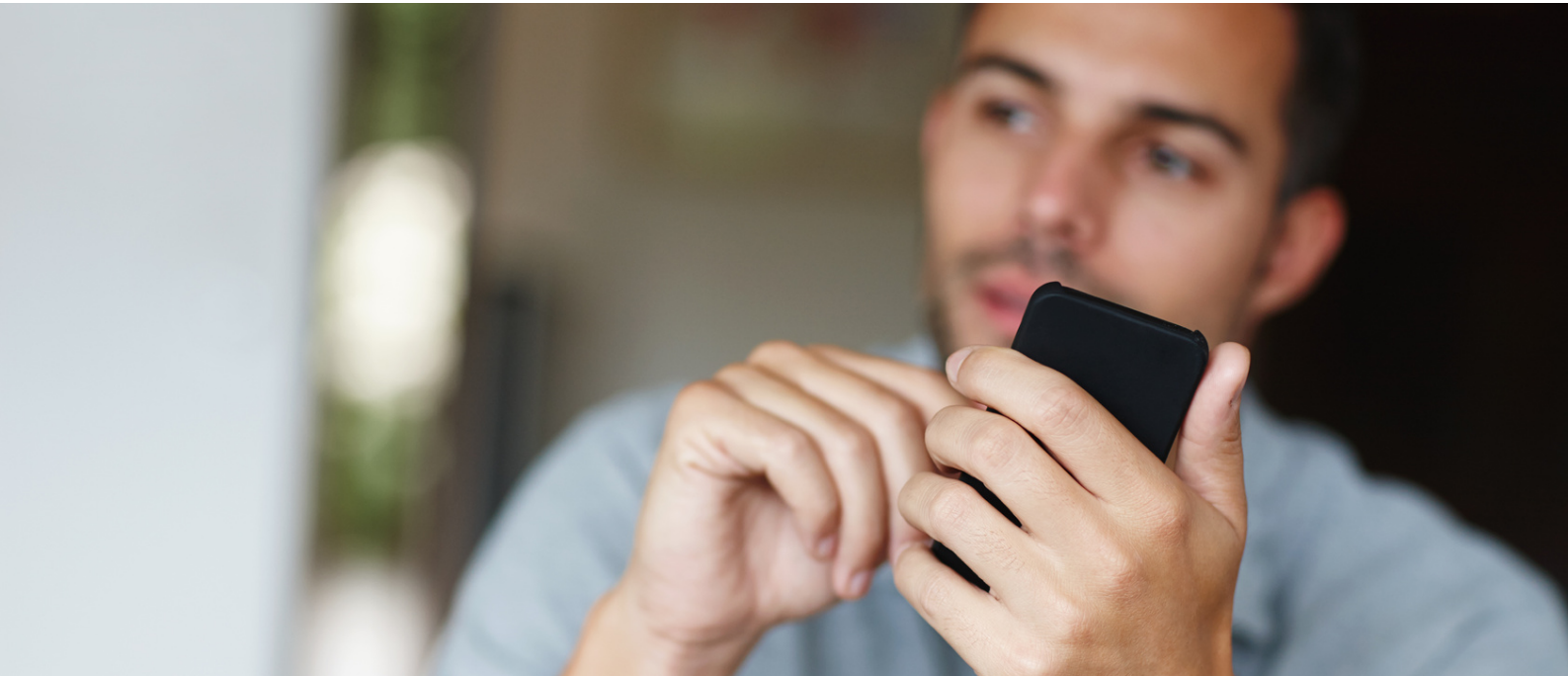
- ➡ **Certificate from prestigious Indian Institute of Management Jammu**
- ➡ **No prior programming background required**
- ➡ **Hands-on with the in-demand data analytics tools like Python and R**
- ➡ **Learn to build Advanced Financial Models**
- ➡ **Convenient weekend live sessions and access to session recordings**



### Executive Alumni Status

Candidates successfully completing the program will be eligible to apply for lifetime membership as EEC\* Alumni on payment of a onetime alumni fee as per the then IIM Jammu rules.

\*Executive Education & Consultancy



## ELIGIBILITY CRITERIA

**Graduates or Diploma Holders from a recognised university ( UGC/ AICTE/ DEC/ AIU/ State Government/ Recognised international Universities) in any discipline.**

**Requirements:**

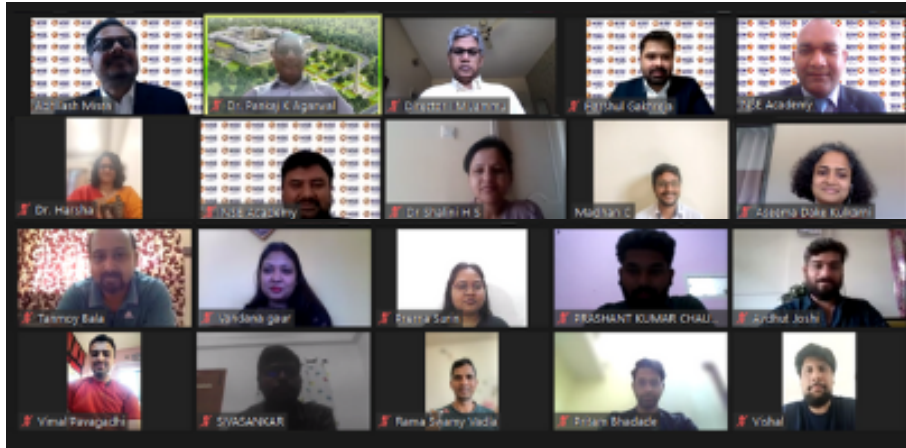
- Basic understanding and interest in Finance/Financial Markets
- Statistics/Mathematics as a subject up to Class XII
- Proficiency in English, spoken and written, is mandatory

## IDEAL FOR

- **Aspiring Finance professionals desirous of exploring application of analytics tools in Finance**
- **Practitioners and Analysts intending to use analytics to aid decision-making using large and increasingly complex financial information**



## TESTIMONIALS



It was a wonderful experience for me. Having an executive program certificate from IIM-J and NSE academy helped me get enrolled in one of the best business school in Europe(Madrid) for the MBA program. Especially, during my interview, the questions were asked from the valuation methods and modern portfolio theory, that was something I learned from this course. I would like to thank all the faculty for their expert guidance throughout the course.

**- Swedekhoto Kraho**

Myself being from non-financial background got an opportunity to network with finance fraternity and also learnt finance concepts. I liked stock and portfolio analysis which will help me in taking judicial decisions in investing.

**-Vishal Dogra**

Well conceived course content and structure, provides the base for subsequent knowledge building

**-Sourav Chatterjee**

Simple and effective learning  
**-Aishvary Parmar**

My gratitude to NSE ACADEMY for imparting a high quality training in Financial Analytics at a very affordable price. I found the course quite compatible with my background and rewarding for my professional development. Structure of the course is compact. Course content is unique with in-depth coverage.

**-Monimoy Ghosh**

I would highly recommend the Financial Analytics course offered by NSE Academy and IIM Jammu to anyone interested in gaining in-depth knowledge and practical skills in this field. It was a great learning experience, and I feel more confident in my ability to apply these concepts in my professional life. Thank you, NSE Academy, and IIM Jammu, for providing such a fantastic program!

**- Sumrit Dutta**

My interest in financial analytics lead me to enroll into the Executive program in financial analytics, jointly offered by IIM, Jammu and NSE Academy. The Program curriculum is very well curated, covering topics from Financial assets, Statistics, Portfolio management, MS-Excel, R, and Python. The faculty helped us engage with the program curriculum throughout the course. The online learning sessions were very engaging and the faculty guided us properly to complete the program curriculum. The batch comprised of a very diverse and balanced group of students with good educational and professional experience in finance and programming.

**-Sujay Umesh Hubli**

## Program Schedule

<b>Duration</b>	6 months <b>(60 Hours)</b>
<b>Delivery</b>	Direct to Device (Online Live) Weekly - 3 hours with an interval of 15 minutes
<b>Schedule</b>	Saturdays - 06:00 PM to 09:15 PM

## Program Fees

**INR 95,000/- plus GST, as applicable**

Details	Participants Fee
<b>Admission Fee<sup>+</sup></b>	INR 10,000 + plus GST, as applicable
<b>Program Fee<sup>++</sup></b>	INR 80,000 + plus GST, as applicable
<b>Books &amp; Material<sup>++</sup></b>	INR 5,000 + plus GST, as applicable

+ At the time of enrollment

++ After the Confirmation into the program

## For further information & corporate price, contact

**[programinfo@nse.co.in](mailto:programinfo@nse.co.in)**

**Madhur +91 85912 62151    Pooja +91 80974 23874**

For Scholarship and No Cost EMI please visit : <https://www.ncfm-india.com/ORE/PGExecutive/>

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- Fees paid is non-refundable and non-transferable.
- Book & Material selection, distribution and dispatch is governed by IIM Jammu.

## ABOUT NSE ACADEMY

NSE Academy Ltd. is a wholly-owned subsidiary of the National Stock Exchange of India Ltd. (NSEIL). NSE Academy 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 works closely with reputed universities and institutions across India in building a competent workforce for the future of BFSI and FinTech. NSE Academy also promotes financial literacy as an essential life skill among youngsters - a contribution towards financial inclusion and wellbeing.

