



Includes **Visualization Tools**



GenAI Tools



Hands-on Experience in Building
Advanced Financial Models



No Prior Programming Knowledge Required

Learn Powerful Tools like **Excel, R, Python, SQL, and Machine Learning**



Batch 3

Executive Program in

Financial Analytics

Weekend Online Classes

6 Months Duration



IIM Jammu
Executive Alumni Status

ABOUT IIM JAMMU



The Indian Institute of Management (IIM) brand has become synonymous with innovation, talent, and a zeal for success and contribution in management. Established by the Government of India in 2016, IIM Jammu in Jammu and Kashmir has swiftly made a mark in the field of management education. The institute has set up a modern Off-Campus at Srinagar dedicated to Executive Education, underscoring its commitment to expanding its educational reach. From its inception, IIM Jammu has set high standards for providing outstanding value-based education, conducting high-quality research, offering executive education, providing consultancy services, and fostering strong corporate and international linkages. The institute promotes contemporary research focusing on regional, national, and global issues.

Executive Education and Corporate Training are fundamental pillars for IIM Jammu. Aligned with its mission statement, IIM Jammu is dedicated to delivering exceptional, value-based executive education of the highest quality. The institute boasts an effective team with extensive experience in executive training programs. Equipped with the requisite infrastructure, IIM Jammu conducts various offline and online programs.

Membership of Accreditation Bodies*



***Accreditation Process Ongoing**

PROGRAM DIRECTORS

Dr. Ashish Kumar completed his Ph.D. in Finance from Faculty of Management Studies and Research, Aligarh Muslim University.

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 infrastructure finance, PPPs, business valuation, private equity and venture capital, firm performance, and infrastructural-asset performance.



Dr. Ashish Kumar

Assistant Professor, Finance And Accounting



Dr. Jai Kamal holds a Ph.D. in Economics from the Indian Institute of Management Lucknow and an MBA from the University of Delhi. His research areas are the economics of education and labor economics, and his research focuses on the effect of government policies on educational and labor market outcomes. His research has been published in reputed journals such as Public Choice and the Journal of Human Capital. Before joining IIM Jammu, he worked as a Junior Research Fellow at UNESCO-MGIEP, responsible for working on the Inclusive Wealth Report. He works at the intersection of data science and economics.

Dr. Jai Kamal

Assistant Professor, Economics & Business Environment

Dr. Sundar holds a Ph.D. in Machine Learning from National Institute of Technology, Tiruchirappalli. He also holds an M.E. degree in Industrial Engineering from College of Engineering Guindy, Chennai. He was awarded a silver medal for obtaining the second highest CGPA in M.E.

Before joining IIM Jammu, he worked as an Assistant Professor at GITAM School of Business Bengaluru.

His research interests are Machine Learning algorithms, Optimization Techniques, and Data Analytics and their applications in the management field. He has published research articles in International Journals like Applied Soft Computing, Swarm and Evolutionary Computation, Engineering applications in Artificial Intelligence, and Defense Science Journal.



Dr. Sundar Rengasamy

Assistant Professor, IT systems and Analytics

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
 - Sources of Data
 - Data Classification: Time series, Cross-sectional, Panel
- 
Fundamentals of Statistics
 - Descriptive Analysis
 - Inferential Analysis
- 
Introduction to R and Python
 - Installation of R and Python
 - Data types, Data structures
 - Sub-setting the Data
- 
Cleaning and Pre-processing Data
 - Dealing with Missing Values
 - Outlier Detection
 - Feature Engineering
- 
Exploring Data Analysis
 - Data Visualization
 - Summary Statistics and Generative AI
- 
Machine Learning
 - Supervised and Unsupervised Learning
 - Classification, Clustering and Prediction
- 
Building Models using Accounting Data
 Financial Model using Excel, R and Python
 Financial Statement Analysis
- 
Business Valuation Analytics
 - DCF Valuation
 - Valuation Frameworks
- 
News Analytics
 - Text Mining, Word Cloud
 - Sentiment Analysis
- 
Time Series Analysis and Forecasting
 - ARIMA, ARCH, GARCH, LSTM
- 
Portfolio Analytics
 - Portfolio Optimization
 - Portfolio Rebalancing
- 
Building Trading Algorithms
 - Technical Analysis
 - Algorithm Trading Strategies
- 
Building Stock Price Forecasting Models using Machine Learning
 - Price Forecasting using Supervised ML
 - Price Forecasting using Unsupervised ML
- 
Credit Risk Modelling
 - Logistic Regression
 - Balance Scorecard
 - Credit Risk Framework



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)

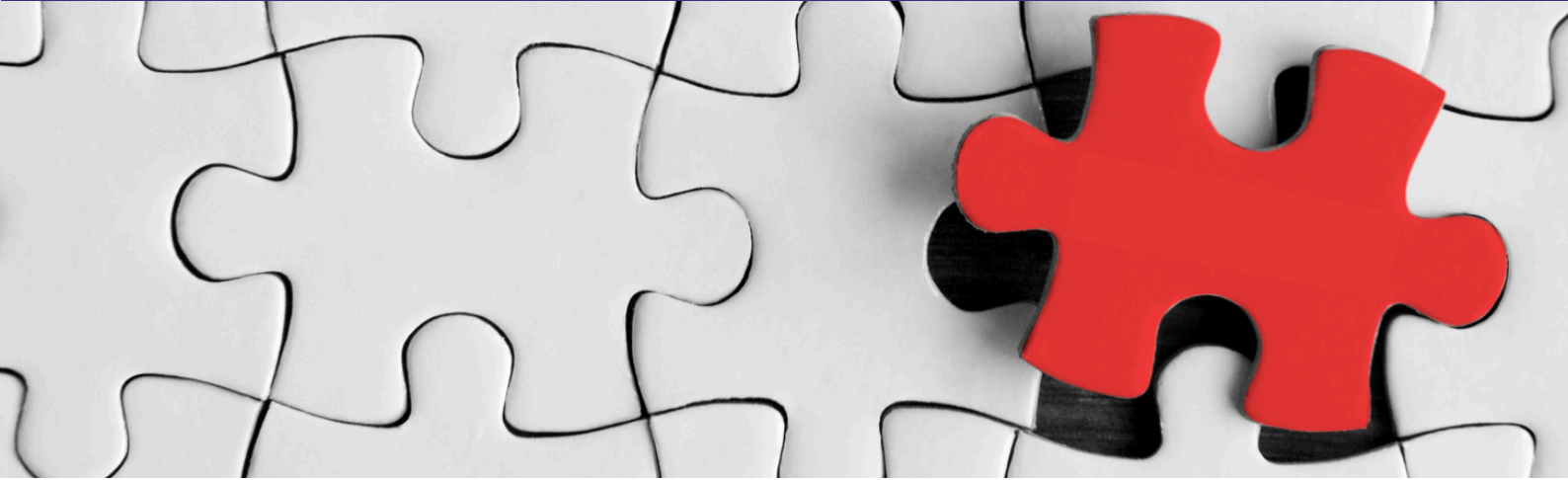


*This program does not confer any Degree/Diploma/Post-Graduate Certificate on the participant by IIM Jammu. It is a Management/Executive Development Program where a certificate is issued on successful completion/participation.

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.

PROGRAM BENEFITS



- ➔ **Certificate from prestigious Indian Institute of Management Jammu**
- ➔ **An industry oriented curriculum aligned with current market needs and trends**
- ➔ **Emphasis on practical, hands-on learning through case studies, live projects**
- ➔ **Learn from experienced IIM Jammu faculty and industry practitioners**
- ➔ **No prior programming background required, program designed for individuals from diverse backgrounds**
- ➔ **Learn to build Advanced Financial Models**
- ➔ **Convenient weekend live sessions and access to session recordings**
- ➔ **Dedicated support team to assist throughout the program for seamless learning experience**



Campus immersion module at IIM Jammu

Optional Campus immersion module at the end of the program at IIM Jammu.
(Fee for campus immersion will payable only if opted for)



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.

ELIGIBILITY CRITERIA



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

Requirements:

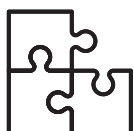
- Basic understanding and interest in Finance/Financial Markets
- Statistics/Mathematics as a subject up to Class XII
- Proficiency in English, spoken and written, is mandatory

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**

EVALUATION METHODOLOGY

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

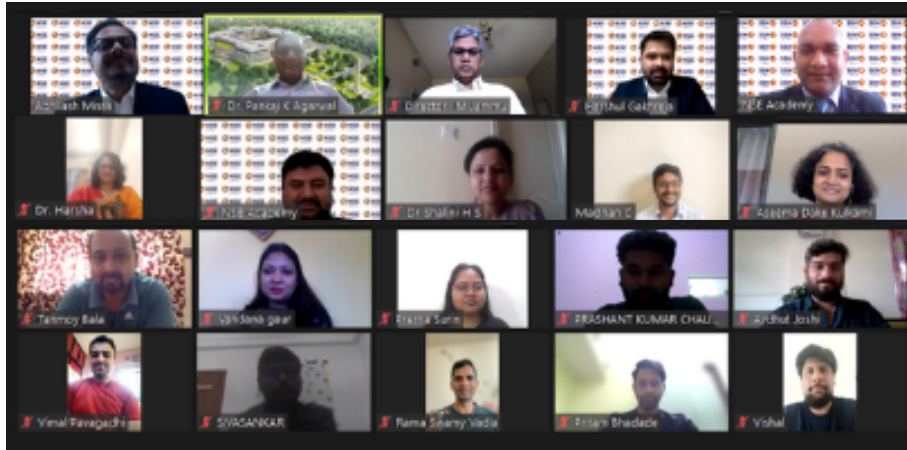


Quizzes



Project Work

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

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

Program Fees

INR 95,000/- plus GST, as applicable

Details	Participants Fee
Admission Fee⁺	INR 20,000 + plus GST, as applicable
Program Fee⁺⁺	INR 75,000 + plus GST, as applicable
Campus Immersion	Fee applicable only if opted for

+ At the time of enrollment

++ After the Confirmation into the program

For further information & corporate price, contact

programinfo@nse.co.in

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- All fee are payable by participants directly to NSE Academy.
- Registration/Admission Fee paid is non-refundable and non-transferable.

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.

