



# Madras School of Economics

Post Graduate Teaching & Research in Economics & Finance  
(Approved by AICTE, Ministry of HRD, Govt of India)

**PGDM Programs (June 2019- April 2021) in**

- I. Finance**
- II. Research & Business Analytics**

2-YEAR FULL-TIME AICTE APPROVED PGDM PROGRAMS: i) FINANCE (FINANCIAL ENGINEERING) AND ii) RESEARCH AND BUSINESS ANALYTICS (DATA SCIENCE) TO ENHANCE YOUR ACADEMIC COMPETENCIES AND JOB PROSPECTS



MADRAS SCHOOL OF ECONOMICS  
BEHIND ANNA CENTENARY LIBRARY,  
GANDHI MANDAPAM ROAD, KOTTUR,  
CHENNAI 600 085

**LAST DATE TO APPLY: FEBRUARY 15, 2019**

MSE has been at the forefront of economics and financial research in South Asia. MSE has an impressive collection of faculty working in a variety of areas related to Finance, Economics, Data Science and Analytics. In its quest to promote excellence and disseminate knowledge, MSE is pleased to announce two PGDM Programs in **(i) Finance (ii) Research & Business Analytics, approved by AICTE, Ministry of HRD, GOI.**

## About the Program

These two programs aim to train students for technically challenging jobs with financial institutions, consulting services, and analytics companies. They provide an unique blend of complex mathematical knowledge with practical problems so that students meet the current demands of industry. Experts visiting from industry and reserach labs further enrich the program

## Program Objectives

- Develop a strong foundation for Inter-disciplinary work
- Combine course works from areas of Finance, Economics, Management Analytics and Data Sciences
- Exposure to the latest trends in Academics and Industry through Projects and Internships
- Offer good Placements

## Placement

MSE has already proven record of 100 percent placement for its existing P. G Degree Programs. Leading multinational companies visiting MSE campus regularly are: CITI, Deloitte, Ford, TCS, HSBC, Cognizant, JP Morgan etc. MSE has a dedicated team to take care of internship and placements. See MSE website for more details.

## About MSE

Established in 1993, the MSE is a leading (non-profit and non-Governmental) academic institution in the country under the guidance and leadership of Padma Vibhushan Dr. C. Rangarajan (former Chairman of Economic Advisory Council to former Prime Minister and former Governor of RBI).

MSE has established itself as a Centre of Excellence in Post-Graduate teaching and research in Economics, Business Analytics, Environment, and Finance in the country. It is unique as it offers 5 Post Graduate Degree Programs related to Economics/Finance/ Actuarial/Environment jointly with CUTN, Thiruvavur. As MSE adopts quantitative, data-driven, analytical approach, these programs attract students from all over India and our students are well placed every year. AICTE has approved MSE as a new Technical Institution in April 2018 to start these two 2-year full-time PGDM courses. MSE has a well equipped library, computer facility, reading hall, hostel facilities etc., For more details, please visit [www.mse.ac.in](http://www.mse.ac.in).

## Eligibility Criteria

Any undergraduate degree with a quantitative background like +2 maths and CAT/XAT/MAT/GMAT/CMAT/ATMA Score. Students awaiting their final degree results can also apply.



# Course Curriculum for PGDM Programs

**Induction (2 weeks):** Preparatory Mathematics, Programming Languages and Principles of Management & Business Analytics

Term I	Term II	Term III
Quantitative Methods Financial Mathematics Discrete Mathematics & Graph Theory Marketing Management Financial Regulation and Supervision Intro. to Programming	Microeconomics Macroeconomics Intermediate Programming Advanced Quantitative Methods & Application Numerical Linear Algebra Operation Research	Advanced Macroeconomics Corporate Finance Supply Chain Management Advanced Programming & Data Structures Intr. Financial Econometrics Stochastic Process

Term IV	Term V	Term VI
Introduction to Accounting Management Financial Market & Micro Structures Pricing of Derivatives & Options Asset Pricing (F) Analytical Models for Decision Making (F) Data Analytics Taxation (F) Behavioral Finance (F) Algorithms for Big Data (B) Artificial Intelligence (B) Cryptography (B) Stochastic Calculus Health Analytics I Approximation & Randomized Algorithms Financial Time Series Analysis	Game Theory Machine Learning Pricing & Revenue Optimization Fixed Income Models (F) Simulation Techniques in Finance (F) Information Theory Health Analytics II Advanced Asset Pricing (F) Numerical Methods in Finance (F) Risk Models (F) Stochastic Control in Finance (F) Artificial Neural Networks(B) Graphical Models (B) Robotics (B) Bioinformatics (B) Stochastic Differential Equations in Finance (F)	Banking & Financial Services Corporate Valuation/ Investment Banking Advanced Topics in Economics & Finance Deep Learning Credit Risk Models (F) Computational Finance (F) Statistical & Empirical Methods in Finance (F) Algorithmic & High Frequency Trading (F) Advanced Topics in Financial Engineering (F) Reinforcement Learning (B) Computational Finance(B) Mechanism Design (B) Quantum Computing(B) Advanced Topics in Data Science (B) Health Analytics III Organizational Behavior

## Important Information & Dates

Last Date for Application Submission: **February 15, 2019**

Release of shortlisted candidates: **February 25, 2019**

Payment of 1<sup>st</sup> Installment Fees: **March 11, 2019**

Release of the waiting list: **March 15, 2019**

Program Starts: **June 3, 2019**

Venue: MSE Campus, Chennai

**How to Apply:** Scanned copy of filled in application form(attached below) be sent to along with a copy of your latest CV to [pgdmfin@mse.ac.in](mailto:pgdmfin@mse.ac.in) (For PGDM in Finance) or [pgdmba@mse.ac.in](mailto:pgdmba@mse.ac.in) (For PGDM in Research & Business Analytics) on or before February 15, 2019. Candidates should pay an application fee of Rs. 1500 through NEFT and mail the scanned copy of the payment details along with their duly filled application form. Those applying for both the course have to apply separately for each program.

## **NEFT**

**Beneficiary Name: MADRAS SCHOOL OF ECONOMICS**

**Bank Name & Branch: Indian Overseas Bank, Gandhi Nagar-Chennai.**

**Bank Account Number: 16350100002345**

**IFSC Code: IOB0001635**

**MICR Code: 600020120**

While making the online fund transfer, please mention <your name> (e.g. Ram Kumar) in the transaction remarks field. After making the online fund transfer please mail scanned/printout of the payment details on or before the deadline to [pgdmfin@mse.ac.in](mailto:pgdmfin@mse.ac.in) (For PGDM in Finance) or [pgdmba@mse.ac.in](mailto:pgdmba@mse.ac.in) (For PGDM in Research & Business Analytics)

<b>Particulars</b>	<b>Amount</b>
Application Fee	Rs. 1,500/-
Admission cum first installment fee	Rs. 3,50,000/-
Refundable Caution Deposit	Rs. 50,000/-
Second Installment Fee-October 15, 2019	Rs. 4,00,000/-
Third & Final Installment Fee-June 15, 2020	Rs. 3,00,000/-

After admission, students are requested to contact Prof. Saumitra Bhaduri ([saumitra@mse.ac.in](mailto:saumitra@mse.ac.in)) for hostel admission.

## **For further queries/information, please contact:**

Prof. Rakesh Nigam (Mobile: 9445112515; Email: [rakesh@mse.ac.in](mailto:rakesh@mse.ac.in))

Prof. K.R. Shanmugam (Mobile: 9444127681; Email: [shanmugam@mse.ac.in](mailto:shanmugam@mse.ac.in))

Dr. S. Gangadharan (Mobile: 9840686927; Email: [ganga@mse.ac.in](mailto:ganga@mse.ac.in))

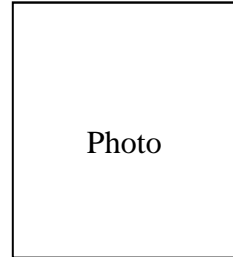


# Madras School of Economics

Post Graduate Teaching & Research in Economics & Finance

## Two Year Full Time POST-GRADUATE DIPLOMA PROGRAM IN (i) FINANCE and (ii) RESEARCH AND BUSINESS ANALYTICS (2019-2021)

### APPLICATION FORM



Application for **PGDM- Finance / PGDM- Research & Business Analytics** (Kindly indicate your choice by tick ✓)

1. a) Full Name and Address  
(IN BLOCK LETTERS)
- b) Contact number(s) Land-line:  
Mobile:
- c) Email Address :
2. Date of Birth :
3. Father/Mother/Guardian Name :
4. Father/Mother/Guardian Address :

#### 5. Academic Qualifications

Education	Subject	Institution	Year of Passing	Grade/% Marks
10th Std.				
12th std.				
Degree				
(Any Other)				

6. Whether you did plus two with maths or not: Yes/No
7. CAT/XAT/MAT/GMAT/CMAT/ATMA Score:

**Date:**

**Signature of the Candidate**