



# Madras School of Economics

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

**PGDM Programs (July 2018- April 2020) 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: JUNE 11, 2018**

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 and Economics. 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 also provide a unique combination of knowledge of complex theories with rigorous exposure to the underlying mathematical-statistical theories and practical financial modeling to enhance the ability of the students to meet the demand of today's industry. Experts from industry further enrich the students ability.

## 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.

## 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, 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, Thiruvapur. 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 and to start these two 2-year full-time PGDM courses.

MSE has 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 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
Marketing Analytics	Financial Instruments	Financial Analytics
Microeconomics	Macroeconomics	Corporate Finance
Programming & Data Structures	Data Base Management Systems	Data Analytics
Quantitative Methods	Advanced Quantitative Methods	Stochastic Calculus
Financial Mathematics	Algorithms	Operations Research
Discrete Mathematics & Graph Theory	Stochastic process	Numerical Linear Algebra

Term IV	Term V	Term VI
Financial Markets & Regulatory Mechanisms	Financial Time Series Analysis	Banking & Financial Services
Financial Econometrics	Game Theory	Advanced Topics in Economics & Finance
Pricing of Derivatives & Options	Machine Learning	Deep Learning
Asset Pricing (F)	Pricing & Revenue Analytics	Supply Chain Analytics
Analytical Models for Decision Making (F)	Fixed Income Models (F)	Credit Risk Models (F)
Stochastic Differential Equations in Finance (F)	Simulation Techniques in Finance (F)	Computational Finance (F)
Taxation (F)	Advanced Asset Pricing (F)	Statistical & Empirical Methods in Finance (F)
Behavioral Finance (F)	Numerical Methods in Finance (F)	Algorithmic & High Frequency Trading (F)
Algorithms for Big Data (B)	Risk Models (F)	Advanced Topics in Financial Engineering (F)
Artificial Intelligence (B)	Stochastic Control in Finance (F)	Reinforcement Learning (B)
Cryptography (B)	Artificial Neural Networks(B)	Computational Finance(B)
Information Theory(B)	Graphical Models (B)	Mechanism Design (B)
Analytical Models for Decision Making (B)	Robotics (B)	Quantum Computing(B)
	Bioinformatics (B)	Advanced Topics in Data Science (B)

## Important Information & Dates

Last Date for Application Submission: **June 11, 2018**

Release of shortlisted candidates: **June 16, 2018**

Counseling and Payment of Fees (1<sup>st</sup> Installment): **June 27, 2018**

Release of the waiting list: **July 4, 2018**

Program Starts: **July 9, 2018**

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 June 11, 2018. Candidates should pay an application fee of Rs. 1200 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: IOBA0001635**

**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. 1,200/-
Admission cum first installment fee	Rs. 3,00,000/-
Refundable Caution Deposit	Rs. 50,000/-
Second Installment Fee-November 2018	Rs. 4,00,000/-
Third & Final Installment Fee-June 2019	Rs. 3,00,000/-

After admission, students are requested to contact Prof. Saumitra Bhaduri 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))

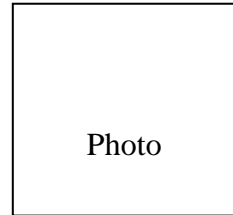


# Madras School of Economics

Post Graduate Teaching & Research in Economics & Finance

## Two Year Full Time POST-GRADUATE DIPLOMA PROGRAM IN (i) FINANCE and (ii) RESEARCH AND BUSINESS ANALYTICS (2018-2020)

### 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*