MSE
Mentoring Excellence

MADRAS SCHOOL OF ECONOMICS

(INSTITUTION OF SPECIAL IMPORTANCE)

INTERNSHIP BROCHURE

2025 - 2026

placements@mse.ac.in

LinkedIn Profile: MSE Placement Cell

MSE Website

CONTENTS

C. Rangarajan

Chairman, Madras School of Economics

A unique blend of teaching and research

MSE is not a general school. We focus on our core strengths of economics and finance with the quantitative rigor of analysis and litmus test of practical application. At MSE, we create an environment for our students to not only find their specific interests but also inspiration. After all, if we are going to fulfill our dream of a 5 trillion economy in 5 years, we need lots of inspired work!

Former Governor of RBI
Former Chairman of PM's Economic Advisor Council

Dr. N. R. Bhanumurthy

Director, Madras School of Economics

Well-trained, productive, and socially responsible students

With the help of six Post-graduate programs and two PGDM programs, MSE has a long tradition of undertaking research & training in economics and quantitative finance that caters to academia, financial markets, regulatory institutions, and consulting firms. One major area where MSE students are unique is their rigorous training in practical economics and finance theory applications. As India aspires to become an advanced nation by 2047, it is necessary to train young minds in that direction and make them more productive and socially responsible. We at MSE, with our strong curriculum and well-trained faculty, believe our students are all set to achieve the nation's dream.

ABOUT MSE

MSE is an Institute of Special Importance, recognized by the MSE Act, 2020

Madras School of Economics (MSE) is one of the premier institutions in the country for post-graduate teaching and research in Economics, Finance, Environment, Management, and Data Sciences. Started as a non-profit institution, MSE was formed by a group of industrialists, academicians, and economists with a mandate to groom cohorts of qualified professionals who would impact the public policy and private industry of a vast, growing country.

The school is privileged to be led by the celebrated economist, former Chairman of PM's Economic Advisory Council, former Governor of RBI, Andhra Pradesh, and Padma Vibhushan awardee, Prof. Dr. C. Rangarajan.

MSE offers two full-time, two-year programs: the Post Graduate Diploma in Management (PGDM) and the Master of Arts (MA). The PGDM program includes two specializations: Research & Business Analytics and Finance. The MA program offers 5 specializations: General Economics, Financial Economics, Applied Quantitative Finance, Actuarial Economics, and Environmental Economics. Additionally, MSE also offers a BA (H) program in Economics and has been offering an M.Sc. in Data Science from the AY 2024-25, under its status as an Institute of Special Importance, recognized by the MSE Act 2020, Government of Tamil Nadu.

The dual emphasis at MSE on rigorous theory combined with practical real-world application ensures that MSE students are a class apart with functional skills readily applicable in the professional world.

FACULTY PROFILE

Dr. N. R. Bhanumurthy
Director & Professor
Ph.D. (International Finance), ISEC, Bangalore

Dr. K.S. Kavi Kumar
Professor
Ph.D. (Development Economics), IGIDR, Mumbai

Dr. Saumitra Bhaduri
Professor
Ph.D. (Economics), IGIDR, Mumbai

Dr. Naveen Srinivasan
Professor
Ph.D. (Economics), Cardiff Business School, Cardiff University, UK

Dr. Brinda Viswanathan
Professor
Ph.D. (Economics), IGIDR, Mumbai

Dr. Rakesh Nigam
Professor
Ph.D. Stanford (Applied Physics)

Dr. Zareena Begum Irfan
Professor
Ph.D. Indian Institute of Technology Roorkee

Dr. Ekta Selarka
Associate Professor
Ph.D. (Economics), IGIDR, Mumbai

Dr. Amrita Chatterjee
Associate Professor
Ph.D. Jadavpur University, Kolkata

Dr. Neelanjan Sen
Associate Professor
Ph.D. (Economics), University of Calcutta

Dr. Rupel Nargunam
Assistant Professor
Ph.D. (Actuarial Science), BSA Crescent Institute of Science and Technology, Chennai

Dr. Arpita Choudhary
Assistant Professor
Ph.D. (Astronomy & Astrophysics), Thuringer Landessternwarte Tautenburg, Germany

Dr. Aritri Chakravarthy
Assistant Professor
Ph.D. (Economics), Centre for Developmental Studies, Jawaharlal Nehru university

Dr. Parthajit Kayal
Associate Professor
Ph.D. (Finance), IFMR

Dr. Poorna Narayanan
Assistant Professor
Ph.D. (Mathematics), IIT Madras

Dr. Gopal Krishna Roy
Assistant Professor
Ph.D. (Economics), Jawaharlal Nehru University

Dr. Sanjeev Vasudevan
Assistant Professor
Ph.D. (Economics), IIT Madras

Dr. Blessy Augustine
Assistant Professor
Ph.D. (Economics), IFMR

Dr. Purbita Jana
Assistant Professor
Ph.D. (Mathematics), University of Calcutta

Dr. Sweta Sen
Assistant Professor
Ph.D. (Economics), IIT Kharagpur

Dr. Devlina
Assistant Professor
Ph.D. (Economics), IIT Madras

Dr. Stefy Carmel
Assistant Professor
Ph.D. (Economics), Pondicherry University

Dr. Srikanth Pai
Assistant Professor
Ph.D. (Electrical Communication Engineering) IISc, Bangalore

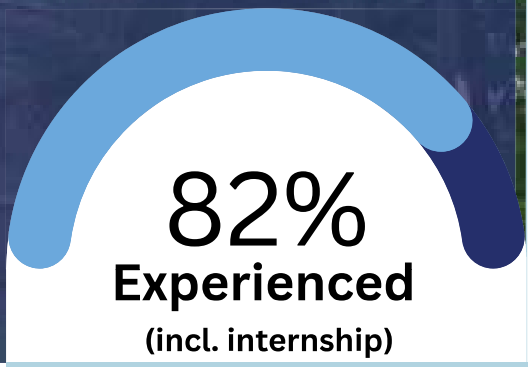
Dr. Aariya Sen
Assistant Professor
Ph.D. (Management), IIM Kozhikode

Dr. Anuvinda Pulickal
Assistant Professor
Ph.D. (Economics), Jawaharlal Nehru University

Dr. S Tholkappian
Assistant Professor
Ph.D. (Economics), Madras School of Economics

Dr. Jeeten Krishna Giri
Assistant Professor
Ph.D. (Economics), Southern Illinois University

Masters in Business Administration



The MSE MBA forges a new kind of leader for a data-driven world. Our program is built on a rigorous quantitative and economic foundation, equipping all students with the sharp analytical logic of an economist to solve complex business challenges.

The Finance specialization creates masters of modern markets through deep training in quantitative subjects like Financial Econometrics and Algorithmic Trading. Graduates are prepared to architect sophisticated financial models and risk management strategies.

The RBA specialization develops elite data strategists. Through hands-on immersion in Python, SQL, and Machine Learning, graduates learn to manage the entire data pipeline and build advanced analytical models that empower high-level, data-driven decisions.

Career Paths

- Data Science
- Financial Analytics
- Business Analytics and Intelligence
- Risk Management

3 MONTHS
Avg. Work Experience

Core Courses (1st year)

- Microeconomics
- Macroeconomics
- Advanced Macroeconomics
- Financial Econometrics
- Stochastic Process
- Supply Chain Management
- Quantitative Methods
- Optimization
- Analytics in Business
- Financial management
- Probability
- Finance 1
- Statistical Inference and Modeling
- Machine learning 1
- Corporate Finance
- Big Data
- Programming and Projects in Python

Electives (2nd year)

- Applied Multivariate Statistics
- Advanced Analytical Models for Decision Making
- Algorithmic Trading
- AI Applications in Business
- Asset Pricing
- Computational Finance
- Derivatives and Options Pricing
- Financial Market Microstructure
- Stochastic Calculus
- Programming in SQL

M.A. Actuarial Economics

60.2%
Experienced
(incl. internship)

The program has been designed and developed as a unique, application-oriented course in economics relevant to today's liberalized economic environment. The core course subjects lay the foundation for basic economic theory, and the various specializations offered provide students with a practical understanding of how these concepts are applied in real-world economies. In the first year, the curriculum emphasizes Actuarial Mathematics and Financial Mathematics.

The department has collaborated with different institutions on various projects, including an analysis of the Tamil Nadu Pension System for the Expert Committee on Pensions.

Career Paths


Analytics


Actuaries


Corporate Social Relationships


Social Enterprise and Rural Development

7 MONTHS
Avg. Work Experience

Core Courses

- Actuarial and Financial Mathematics
- Economics of Insurance I
- Economics of Insurance II
- Finance and Financial Reporting
- Risk Models

Electives

- Games and Information
- Advanced Techniques in Finance
- International Trade
- Finance Regulation
- Banking Supervision

M.A. Applied Quantitative Finance

68.4%
Experienced
(incl. internship)

The ability to adequately capture stylized facts in financial markets depends mainly on good models and their evaluations. Recent advances in Statistical, Econometric, and Analytical modeling techniques have enhanced the scope for a comprehensive and timely analysis of related issues. Consequently, there has been an exponential increase in the demand for qualified analysts.

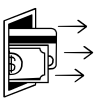
The course is structured to present central concepts in analytics, mathematics, and computational details, with an emphasis on underlying institutional factors. Students are rigorously mentored to emerge as professionals with cutting-edge quantitative and analytical tools, highly valued by employers in the global financial markets.

Career Paths


Data Analysts


Risk Management


Financial Modelling


Credit Underwriting

4.8 MONTHS
Avg. Work Experience

Core Courses

- Risk Analysis and Management
- Financial Instruments and Markets
- Interest Rate Calculation and Option Pricing

Electives

- Stochastic Models
- Fixed Income Securities
- Investment Banking
- Advanced Techniques in Finance Economic Policy Analysis
- Health Economics & Financing Development Economics

M.A. Environmental Economics

77%
Experienced
(incl. internship)

Growing evidence on economy-environment inter-linkages and potential challenges that the world economy has to face due to global climate change are some of the principal motives behind introducing this two-year postgraduate degree program in Environmental Economics.

Our Environmental Economics program equips students with the quantitative and analytical skills to tackle complex sustainability challenges, giving them the platform to be prepared to lead in areas like ESG strategy, carbon accounting, sustainable finance, and environmental policy, providing data-driven solutions for a greener, more profitable future.

The degree is designed for individuals with a strong background in mathematics and good exposure to econometrics.

Department members have worked on projects sponsored by various national and international organizations including - MoEF&CC, GoI; GoTN; CPCB; DoE-TN and World Bank; GIZ; SANDEE; GDN; NCSCM, etc. The faculty members have also collaborated with various universities in and outside India.

Career Paths

Career Paths

5 MONTHS
Avg. Work Experience

Core Courses

- Resource and Environmental Economics
- Environmental Valuation
- Sustainable Development
- Environmental Policy

Electives

- Economics of Global Climate Change
- Environment & Health Trade
- Environment Ecological Economics

M.A. Financial Economics

72.9%
Experienced
(incl. internship)

Financial Economics at MSE is a niche course in finance meant to effectively cater to the needs of the fast-growing Indian financial sector. The students qualifying to take the course get trained to meet the demand for financial practitioners. They are well equipped with a good foundation in Economics, Mathematics, and Statistics facilitated by training in emerging theoretical and empirical tools to understand the financial sector better.

In the challenging economic scenario, MSE encourages students to emerge as enterprising finance professionals who don't just react and adapt to upcoming trends but are also capable of evolving as agents of change.
The department is involved with different institutions collaborating on various projects and research, such as GE Money – MSE Decision Science Lab. Rigorously mentored, equipped with leading quantitative and analytical tools, highly valued by employers in global financial markets.

Career Paths

5.8 MONTHS
Avg. Work Experience

Core Courses

- Financial Economics
- Applied Macro and Financial Econometrics
- Financial Regulation and Banking Supervision

Electives

- Stochastic Models
- Fixed Income Securities
- Economics of Insurance
- Development Economics

M.A. General Economics

74%
Experienced
(incl. internship)

There is a renewal in the emphasis on the state as a regulator, and markets are likely to play a more central role in the exchange process of production and consumption. This will create interesting feedback between the macro and micro aspects of the economy thereby affecting wider economic developments.

The first two semesters focus more on the conceptual foundation of microeconomics, macroeconomics, statistics, and mathematical methods followed by advanced courses. The last two semesters strengthen their analytical and communication skills with assignments/term papers and presentations/group discussions.

Faculty members have been involved with projects/consultancies that impact employment and the long-term welfare of citizens.

The department also collaborates with institutions like - National Council of Applied Economic Research, World Institute for Development Economics Research, Emergent Ventures (Mercatus Center, George Mason University), UNEP - Green Economy Report.

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Career Paths

- Data Analysts
- Policy Supervisors
- Government Bodies
- Economic/ Policy Consultants

4.5 MONTHS
Avg. Work Experience

Core Courses

- Industrial Organization
- Games and Information
- Applied MicroEconometrics
- Advanced Microeconomics
- Econometrics

Electives

- Stochastic Models
- International Trade
- Environment & Health Economics
- Economics of Insurance
- Applied Macroeconomics
- Financial Econometrics

M.Sc. Data Science

57.1%
Experienced
(incl. internship)

The M.Sc. Data Science program at Madras School of Economics provides a rigorous curriculum that equips students with essential analytical, technical, and problem-solving skills. By bridging theory and practice, the program prepares graduates to meet industry demands, tackle complex data challenges, and deliver innovative solutions across sectors. Students leverage advanced tools like machine learning, AI, big data, and cloud computing through real-world projects, gaining proficiency in data analysis, modeling, and effectively communicating results to drive business decisions.

In addition to technical expertise, our program emphasizes critical thinking, creativity, and adaptability - qualities that are essential for success in the fast-evolving world of data science. Distinctive in its approach, the program cultivates a unique blend of innovation, interdisciplinary expertise, and industry relevance, setting our graduates apart in the competitive field of data science.

Career Paths


Artificial Intelligence & Machine Learning Development


Financial Simulation and Modeling


Data Engineering and Security


Quantitative Analytics & Business Intelligence

13.4 MONTHS
Avg. Work Experience

Core Courses

- Mathematics for Data Science
- Statistics with R
- Programming in Python & MATLAB
- Introduction to Artificial Intelligence
- Linear
- Introduction to Data Science
- Econometric Methods
- Algorithms & Optimisation
- Numerical Methods & Simulation Techniques in Finance
- Introduction to Machine Learning
- Verifications for Big Data
- Deep & Reinforcement Learning
- Large Language Models

Electives

- Stochastic Differential Equations in Finance
- Multivariate Statistics
- Big Data Visualization
- Time Series Analysis
- Big Data & Hadoop/Spark
- Stochastic Processes.
- Cloud Computing & Big Data
- Mathematical Finance
- Topology for Data Science.
- Game Theory
- Quantum Computing
- Medical Analysis
- Data Privacy & Security

RESEARCH CELL

Undertaking research is a crucial aspect of academic work at MSE. The research cell is an organization primarily driven by students, to promote economics-related activities on campus. This cell facilitates the convergence of econometric studies in quantitative economics and finance.

Athena, the annual school magazine of MSE gives a platform to students, academicians, corporate leaders, and social groups alike to express ideas, and opinions thereby promoting economics research, and finance resulting in diversified learning.

Website Link:
https://researchcellmse.wixsite.com/blog/about-us

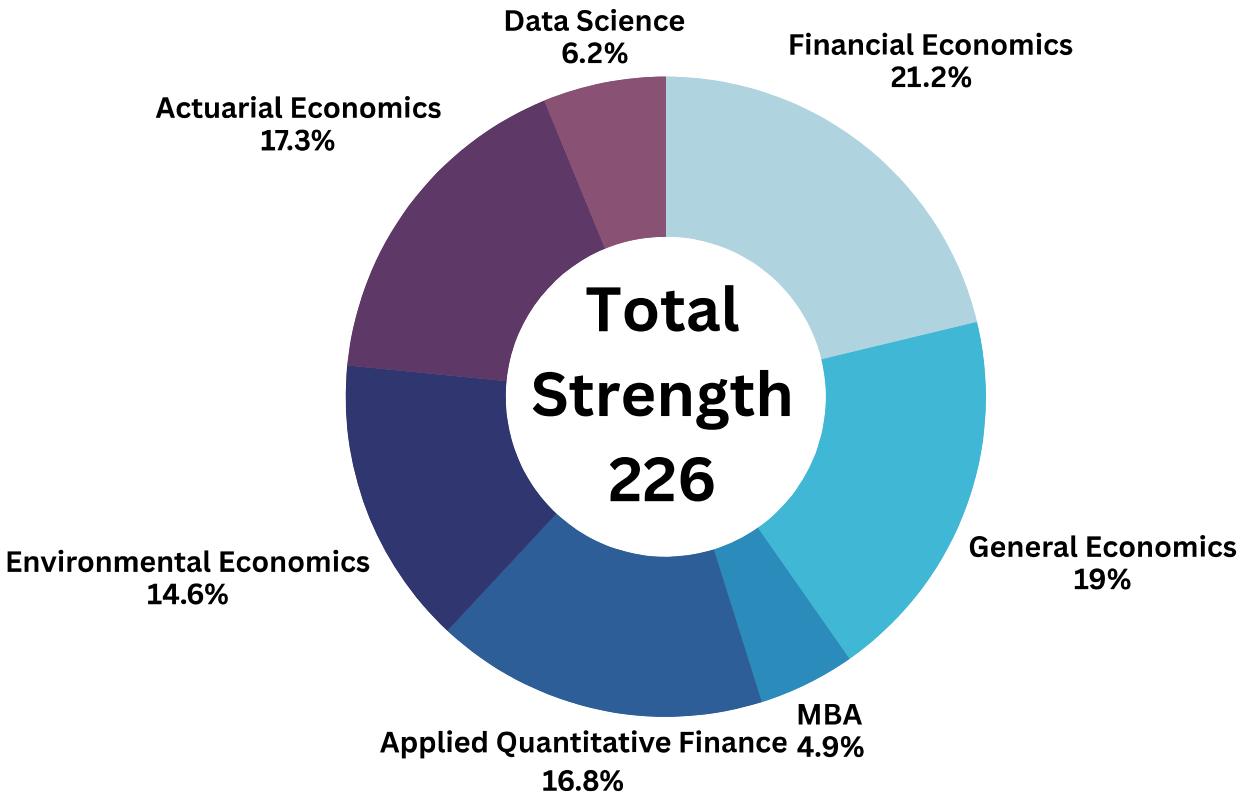
NULL SPACE MSE MBA

The Research and Analytics Cell of MSE MBA students is known as Null Space. This is constituted to enable students to conduct quality research and do live projects in various fields.

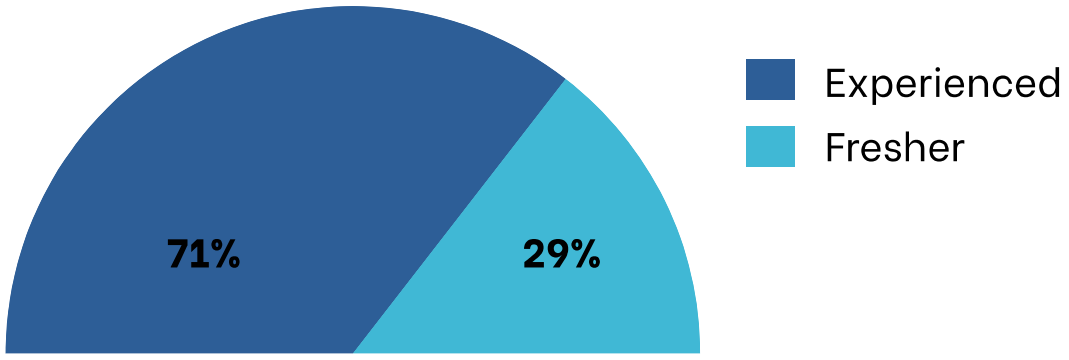
WebsiteLink:
https://github.com/nullspacemse

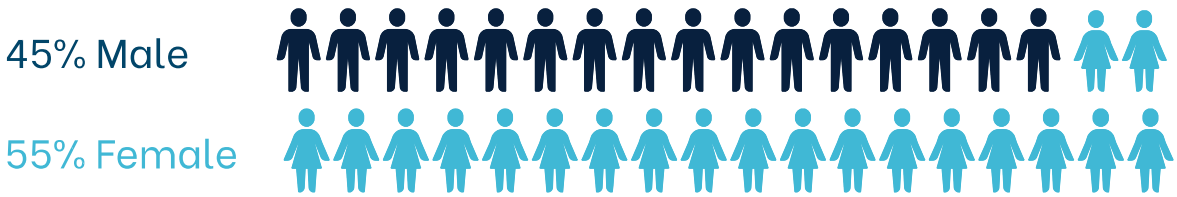
BATCH PROFILE

Programme-Wise Distribution



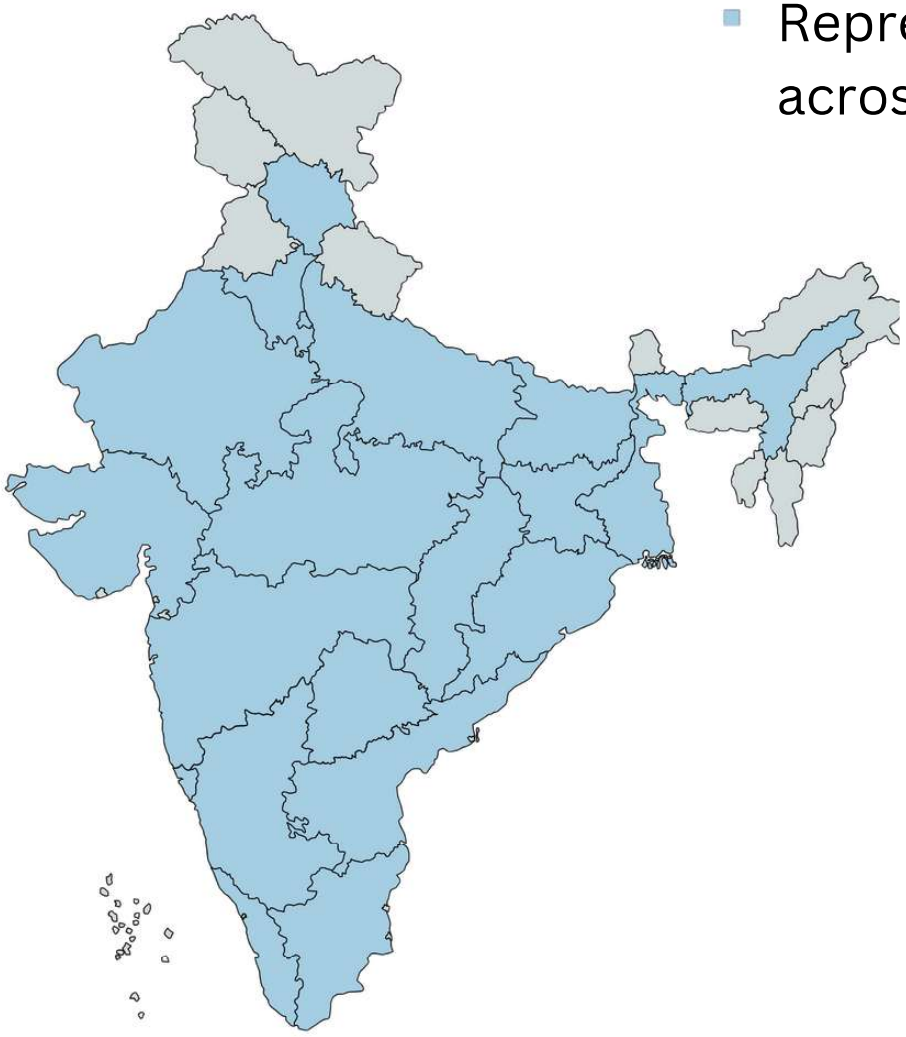
Work Experience and Gender Diversity





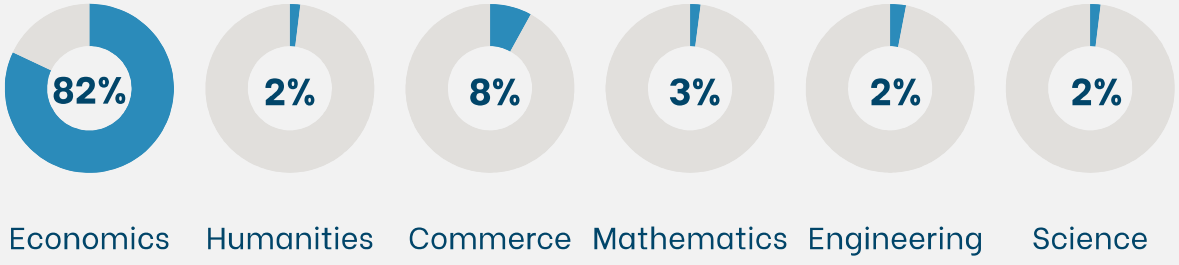
BATCH PROFILE

Batch Diversity



- Representation across 20 States

Educational Background



PAST RECRUITERS

PROMINENT RECRUITERS

PAST RECRUITERS


CONTACT US

internship@mse.ac.in

FACULTY COORDINATORS

Dr. Gopal Krishna Roy | gopal.roy@mse.ac.in
Dr. Devlina | devlina@mse.ac.in

PLACEMENT OFFICE

Anand A | placementandpro@mse.ac.in

STUDENT COORDINATORS

MBA Finance & RBA
Rohith Krishnan | 6379977396

M.A. Actuarial Economics
Adarssh | 8754499973

M.A. Applied Quantitative Finance
Rashtra Mitra Tripathi | 9125181268

M.A. Environmental Economics
Dhruv Kumar | 9313560194

M.A. Financial Economics
Saurabh Suryawanshi | 9545238595

M.A. General Economics
Aarzoo Mahendru | 9311204904

M.Sc. Data Science
Neha Jacob | 9810184097

https://www.mse.ac.in/

internship@mse.ac.in

Madras School of Economics, Behind Anna Centenary Library,
Gandhi Mandapam Road , Chennai, Tamilnadu - 600025

LinkedIn Profile: Madras School of Economics