





Placement Brochure

2023-2024



100+ Companies have hired MDAE students.



>6 of the largest global investment banks



Each of India's top 5 Business Houses



The top 2 global Data Analytics & Al companies



>5 of India's largest think tanks & research firms



## Domain Skills That MDAE Students Are Trained In



### **Software And Programming Skills**

- Python
- R
- SQL
- MS-Excel
- Tableau
- Power BI



#### **Quantitative Skills**

- Multivariate Calculus
- Multiple Linear Regression
- Logistic Regression
- Time Series Analysis and Forecasting
- Randomized Control Trials
- Machine Learning



#### **Finance**

- Financial Statement Analysis
- Discount Cost Flow Modelling
- Debt, Equity And Derivative Market Analysis
- Risk Management
- Credit Analysis & Rating Methodology
- Business Valuation



### **Technologies in Finance**

- Insurtech
- Wealthtech
- HFT And Algo Trading
- Cryptocurrencies
- Blockchains
- Smart Contract
- DApps
- Stable Coins



### **Policy And Research**

- Behavioral And Experimental Economics
- Microfinance
- Research And Analysis
- Political Economy
- Dissertation



#### **Economics**

- Integratre Economic Concepts With Disciplines Like Sociology, History, Political Science and Psychology
- Research And Statistical Analysis
- Real-World Markets, Economies And Policies
- International Affairs

# INTRODUCING

## **SUSTAINABILITY**

(Elective - PGD Economics)

- Sustainable economic growth is crucial for global economies.
- Nations and corporations prioritize responsible business expansion.
- High demand for candidates with expertise in Economics, Public Policy, and Sustainability.



# STRATEGIES & ALGORITHMS FOR PROBLEM SOLVING

(Elective - PGD Data Science & Finance)

- Mastery in strategies and algorithms offers a unique edge in the job market.
- Equips students for tackling realworld data challenges.
- Ensures readiness for the evolving tech landscape.
- Promotes data-driven leadership choices.
- Prepares students to drive industry advancements.



## New additions to our academic team



#### Professor Huw Dixon, Visiting faculty at MDAE

- Professor Huw Dixon is a Professor of Economics at Cardiff University in the United Kingdom.
- He is also a Research Director at the National Institute of Economics and Social Research in London, England.
- He received his PhD from Oxford University in 1985 under the supervision of Nobel Laureate Sir James Mirrlees, and was a Professor at York from 1992 until he came to Cardiff in 2006.



# Dr. Konstantinos Matakos, Visiting Professor of Economics

- Dr. Matakos is currently a Professor at the King's College London.
- He has previously worked at University of Rochester's Wallis Institute.
- He has completed his Phd in Economics at University of Warwick.
- His primary research fields are Political Economy, Positive Political Science, Public Economics and Applied Microeconomics



## Dr Sanna Nurmikko, Visiting Faculty at MDAE

- Dr. Sanna Nurmikko is a Senior Lecturer in Economics at the University of Surrey
- Her previous experience includes being a Research Associate at Warwick Policy Lab, Warwick in London, University of Warwick.
- In the UK, she has taught at Brunel University London and the University of Southampton.
- Additionally, she worked as a Teaching Fellow at SOAD University of London and University of Essex.

## **Where MDAE Alumni Are Working**

## **Finance**



**YASH BESWALA** 

J.P.Morgan 2020-2021 **Equity Research** Analyst



**SAKSHI KULKARNI** 



2022-2023 Research Analyst



**AMOL DONGRE** 





**SARANG JOGLEKAR** 



2022-2023 Research **Analyst** 



























## Consulting



**DRUMIL SHAH** 



**MALAIKA IRWIN** 



**PRIYANSHI DESAI** 



**MRUGANK BELSARE** 



2022-2023 **Senior Executive** 



2022-2023 **Associate** Consultant



2020-2021 **Senior Executive** 



Consultant









## Data Science And Analytics Role



PRANIL CHAUDARI

**Analyst** 



KARAN WADEKAR



**SAYALI KOLHE** 



**VALLARI NAIK** 







2018-2019 **Data Analyst** 







## **Industry Role**



**ANANYA JOGALEKAR** 



2022-2023 Research Executive



**JAINAM GADA** 

Reinsurance Group of America 2022-2023 Senior Executive

**Pricing** 



**NEETI LOTLIKER** 





**GASPAR DSOUZA** 

Reliance
Industries Limited
2019–2020
Manager, foreign
exchange and
commercial hedging







## Research Role



**ADITI DAHAKE** 





**RAJ SINGH** 





**ACHINTYA KOLIPAKKAM** 





Prakhar Misra















## **World-Class Education And Pedagogy**



## POST GRADUATE DIPLOMA IN ECONOMICS

Overview

A flagship program that acts like it - PGP in Economics. The PGD in Economics Program has been designed to equip students with the right quantitative, analytical, and data tools required to start a career as a market economist with banks, government, multilateral institutions, think tanks, or other private sector firms.

**Key Modules Learnt** 

Advanced Macroeconomics **Applied Microeconomcis** 

**Data and Programming** 

Advanced Econometrics for Public Policy

Int. Political Economy

**Corporate Finance** 

Behavioral and Experimental Economics

**Econometrics** 

## **Recruiter Experiences**



Dr. Reuben Abraham (CEO & Senior Fellow, IDFC Institute)

"We had an excellent experience working with a student from MDAE. Unlike most, he had an extraordinary curiosity and a willingness to learn and place textbook economics in their historical and political context, which itself involved digging into 500 years of political history. Based on the experience of working with him, we have made him an offer to join us full-time once he graduates from MDAE."



Mr. Arijeet Banerjee (Ex - MD, Risk, Deustsche Bank)

"We hired one of the students from the institute who turned out to be outstanding, performed better than most people that we have hired from MBA institutions."



**Mr. Varun Ektare** (Senior Scientist - Modelling and Meta-Analysis and India Office Lead), Pharmerit (an OPEN Health company)

"We couldn't have been happier with our experience of hiring a student for a full-time position from MDAE. Despite the remote start to her career, she has shown great resilience in adapting to the new workplace and has quickly become an important part of the team. She has outstanding communication skills, great attention to detail and an uncanny ability to pick up new concepts and tools effortlessly. Most importantly, she has been going above and beyond on her projects to help the team produce high-quality deliverables on time."



**Mr. Santanu Sengupta** (Ex-Head, Treasury Economics & Strategy, Reliance Industries)

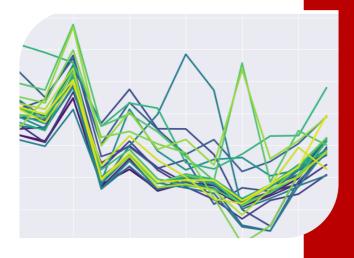
"We have had an excellent experience with a student from MDAE who has been working with us over the past three years. Practical exposure differentiates MDAE students, and we observed that she was able to close the gap between academia and real-life faster than fresh graduates from other renowned institutes. MDAE is doing a stellar job in preparing candidates for the job market."

## Learning outcomes



#### **Macroeconomics and Microeconomics**

Interpret economic data and make sense of them, connect the dots of politics. economics, history, and society, and understand which of them is the more important force and in what circumstances. Rigorous understanding of markets and how they function, ability to critically evaluate academic and policy research.



#### **Econometrics**

Familiarity with the theoretical underpinnings of time series analysis, be able to build models with time-series data, run them, and interpret the results on R. Evaluate public policies using modern econometric tools of causal inference. Randomised control trials and Logistic Regression are two of the key topics.



#### **Public Policy**

Conduct experiments (both in the laboratory and in the field) and use the data from the experiments to evaluate theories as well as to test and fine-tune policies that could not be easily tested with naturally-occurring data. Analyse complex public policy issues as well as compare the merits and demerits of different policy approaches to a particular problem using insights from behavioural economics.



# POST GRADUATE DIPLOMA IN DATA SCIENCE AND FINANCE

Overview

A modern course for the new-age, data-driven world, the PGD in Data Science and Finance Program is at the intersection of Data, Finance, and Technology. The program trains students in the core areas of data sciences and prepares them to take on any data-driven role. It lays special focus on Finance and Financial Technologies to help students build a niche for themselves in the market.

**Key Modules Learnt** 

**Advanced Programming** 

**Machine Learning** 

**Data Visualization** 

**Quant Finance** 

Time-Series Analysis

**Technologies in Finance** 

## Learning outcomes



#### <u>Programming using Python and Machine</u>

Develop strong Python programming skills and learn to apply them in real world scenarios using mathematics and advanced machine learning algorithms.



#### **Finance**

Expertise in key areas of finance like Corporate Finance, Debt, Equity and Derivatives markets. Risk Analysis, Business Valuation, and learn to apply them in datadriven roles using advanced Quant Finance techniques.



#### **Data Wrangling and Visualization**

Develop essential data analysis skills - database management using SQL and Python, Relational database fundamentals. Shaping and Cleaning and Analysis of large data sets. Moreover, learn to build interactive dashboards using the data set with Tableau and PowerBl.

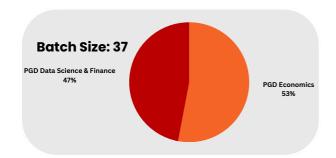


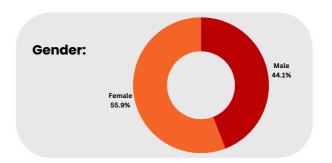
#### <u>Technologies in Finance</u>

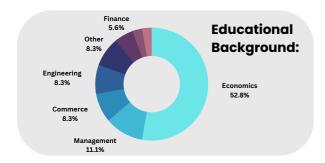
Learn about new-age technologies like Fintech, Robotic Process Automation (RPA's). Digital Banking HFT's, Blockchain & Cryptocurrency, DeFi among others, and their applications in the real-world.

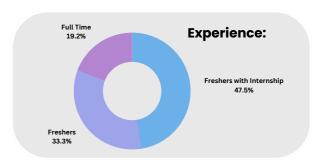
# The Present:

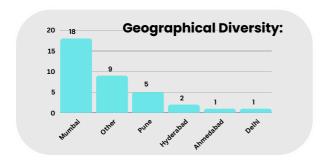
## A Look At Our Current Batch

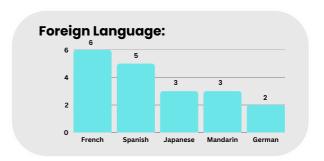


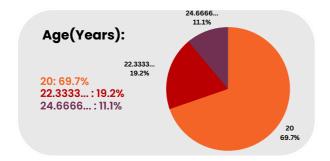
















## The Guiding Lights of MDAE -

## **Our Faculty**



**Dr. Abhinay Muthoo**Dean of MDAE.
Former Dean of Warwick in London.



Dr. Tirthankar Patnaik
Adjunct Faculty, Advanced
Macroeconomics, MDAE.
Chief Economist, National
Stock Exchange of India
Limited.



Mr. Amlesh Kanekar Director of Academic Programs, MDAE.



Shailesh Goregaokar Adjunct Faculty, Mathematics & Statistics, MDAE.



Prachi Ganu Adjunct Faculty, Finance, MDAE.



**Dr. Anirudh Tagat**Adjunct Faculty,
Behavioural Economics,
MDAE.



**Dr. Ishita Ghoshal** Adjunct Faculty, Macroeconomics, MDAE.



Ameya Abhyankar Adjunct Faculty, Finance, MDAE.



Shreshti Rawat
Faculty, Econometrics
and Advanced
Econometrics,
MDAE.



**Dr. Atul Patankar**Adjunct Faculty,
Financial Technologies,
MDAE.



Sonal Ghanshani Adjunct Faculty, Machine Learning, MDAE.



Vaishnavi Patil Teaching Fellow, MDAE.





## The Guiding Lights of MDAE

#### **Academic Board**



**Dr. Ajit Ranade**Vice Chancellor, GIPE



Dr. Tushar Poddar Managing Director, Global Macro Strategist, Wellington Fund Management



Dr. Mangal Goswami
Executive Director- South
East Asian Central Bank
(SEACEN)



Dr. Niranjan Rajadhyaksha Executive Director, Research and Strategy at Artha Global

## **Advisory Board**



Mr. P.D. Singh Bank CEO, JP Morgan Chase Bank NA, India



Mr. Roopank
Chaudhary
Partner & COO
Human Capital Solutions
India & South Asia,
AON



Mr. Arijeet Banerjee Head Corporate Risk -Wells Fargo - EGS



Mr. Dharmakirti Joshi Chief Economist - CRISIL



'Economics education in India has not kept pace with developments in the workplace. There is a dearth of post-graduate programs which marry strong theoretical foundations with applied skills necessary for a rapidly globalising economy.

In particular, the Global Financial Crisis and the rise of Big Data have generated a need for a more practical education where students of economics and finance develop a new toolkit to analyse and address real-world problems"

#### **LORD MEGHNAD DESAI** Chairman, MDAE



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