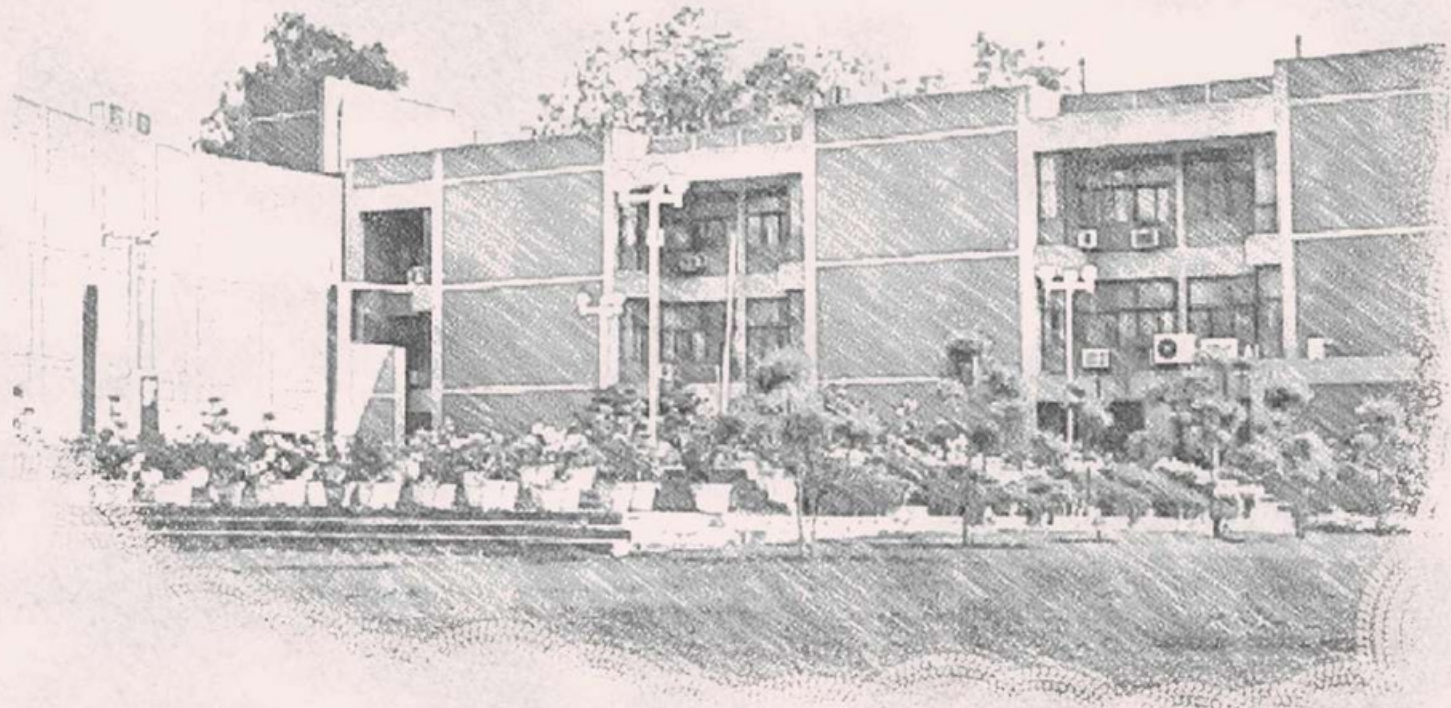




# Indian Statistical Institute भारतीय सांख्यिकीय संस्थान



Placement Brochure : 2022-23

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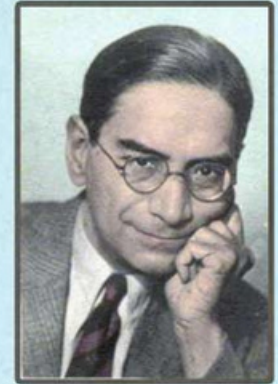
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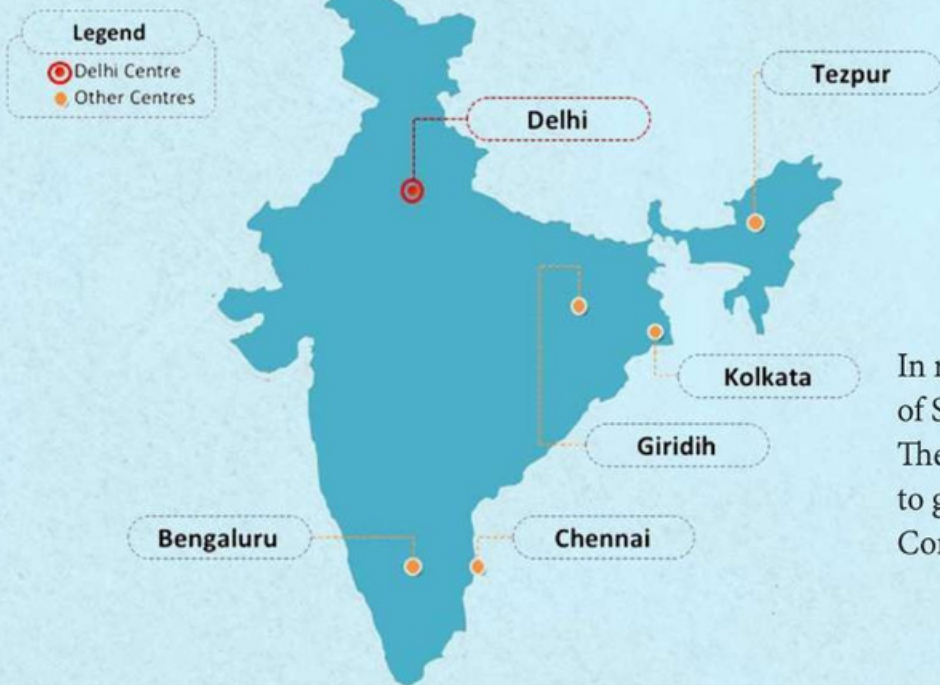
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# About ISI

The origin of the institute can be traced back to the foray in statistics by Professor Prasanta Chandra Mahalanobis. This sparked off interest in the field among his colleagues. This group grew in the 1920's into the Statistical Laboratory located in his room at the Presidency College, Kolkata.



On 17th December 1931, a meeting was called amongst the members. It led to the establishment of the Indian Statistical Institute (ISI) which was formally registered on 28 April, 1932 as a non-profit making learned society under the Societies Registration Act (XXI of 1860).



In 1959, the Parliament of India enacted the Indian Statistical Institute Act and declared it to be an institution of national importance. The act also declared the Institute as a deemed university and gave it the right to confer degrees in Statistics.

In response to the act, the Bachelor of Statistics (Honors) and the Master of Statistics programs were introduced by the Institute in the year 1960. The Indian Statistical Institute Act was amended in 1995 empowering it to grant degrees in Statistics, Mathematics, Quantitative Economics and Computer Science.

# About Delhi Centre



The Delhi Campus was inaugurated by Prime Minister Indira Gandhi on December 31, 1974. The campus offers two post graduate degrees: Master in Quantitative Economics and Master of Statistics (Applications Stream).

The MS(QE) and M.STAT programs are offered by the Planning Unit and the Statistics and Mathematics Unit (Stat-Math Unit) respectively. The centre also houses extremely reputed PhD programs in Economics, Statistics and Mathematics.

Established in 1974, ISI Delhi, an institute of worldwide repute, has been instrumental in providing some of the India's brightest minds through a mix of rigorous curricular and non-curricular activities.

Programs at ISI, Delhi aim to promote the study and dissemination of knowledge of Statistics and Economics to develop statistical theory and methods, and their use in research and practical applications.

They aim to provide rigorous training emphasizing on quantitative techniques, thus enabling students to develop their skills in statistical analysis, time series and forecasting, finance, development studies and econometrics. Students receive training in the latest econometric packages and modeling. The emphasis on clarity of thought, logic and conceptual knowledge of the subjects ensures that the students cope with the diverse problems of the industry, making them well-trained economists and statisticians.


# Message from the Dean, Academic Affairs

**T**he Indian Statistical Institute-Delhi produces some of the brightest students of this country at the post-graduate level. With its unique focus on strong quantitative methods, the students are taught how to use data and statistical methods to solve real world problems. The academic program also has the highest standards of ethics and a unique record of a hundred percent adherence to academic integrity.

As the dean of academic affairs responsible for the Delhi-Centre,  
I invite you to the ISI- Delhi campus.



Abhiroop Mukhopadhyay,  
Dean of Academic Affairs,  
Indian Statistical Institute



# Message from the Head, Economics & Planning Unit

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Tridip Ray,  
Head,  
Economics & Planning Unit,  
Indian Statistical Institute

The Indian Statistical Institute has a long and proud tradition of excellence in training, teaching and research in a number of academic disciplines, centered on Statistics. It grants degrees and diplomas in Statistics, Mathematics, Quantitative Economics, and Computer Science. The Delhi Centre focuses on the disciplines of Economics and Statistics. Its alumni have made outstanding contributions to academic, governance and industry and it is my firm conviction that newer generations of alumni would continue to do so in the years to come. I am happy that the placement cell of our institute is bringing out an updated brochure for 2022-23 to showcase our academic programs and provide information to prospective employers. I am sure that the information contained in the brochure would generate active interest and the HRD people of the leading commercial and industrial organizations will conduct on-campus recruitment and offer coveted career opportunities to the students of our institute.

# Message from the Chairman, Placement Cell



The Indian Statistical Institute, Delhi is one of India's top post-graduate programs in Economics and Statistics. The best undergraduates of the country are trained by an internationally renowned faculty. ISI conducts rigorous research and training in the latest quantitative methods and tools to analyze problems that arise in the fields of business, finance, data analytics, governance and policy making.

As the Placement Cell Chairperson, I sincerely believe that the ultimate test of the program and what a student learns has to be evaluated by the market. I, thereby encourage you to visit our campus and provide placement opportunities for the batch 2021-23 and summer internships for the first year students of 2022-24 batch at an early date. Looking forward to hearing from you soon.



Mudit Kapoor,  
Chairman,  
Placement Cell



The  
Masters  
Programme

# Master of Science Quantitative Economics

3:1



STUDENT TEACHER RATIO

India's best teacher student ratio ensures holistic growth of each student.

100%

STUDENT PASSING RATE

100%

PLACEMENT RATE

The M.S. (QE) program at the Delhi campus of the institute is one of the best economics postgraduate programs in the country and acts as an excellent training ground for budding economists. The credit for the excellent quality of the program goes to the internationally renowned faculty. The enviable student-faculty ratio allows for a mentorship program and enables students to be in constant touch with the faculty. The institute follows a rigorous semester system in which students study a minimum of five subjects per semester. The programme aims not only at economics but also gives students exposure to rigorous econometrics, mathematics and statistical techniques.

## Course Structure

4

Semesters

20

Courses

5

Courses per semester

## Courses

- Econometrics
- Statistics
- Mathematical Methods
- R programming
- Time Series Analysis & Forecasting
- Probability Theory
- Econometric Applications I and II
- Game theory I
- Microeconomics I and II
- Macroeconomics I and II
- Development Economics I and II
- Environmental Economics
- Social Choice and Political Economy
- Mathematical Programming
- Advanced Econometrics
- Theory of Finance I and II
- Game Theory II
- Agricultural Economics
- Industrial Organization
- History of Economic Thought
- Real Analysis
- Measure Theoretic Probability
- Labor Economics

# Master of Statistics

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The Master of Statistics (M.Stat) program at Delhi offers a mix of fundamental training in statistical methods coupled with specializations which aim to provide students with a profile suited for heavily applied but theoretically sound work, potentially in the industry and the academia. Year long specializations offered are Quantitative Economics (QE) and Advanced Probability (AP), with provision for interdisciplinary interactions. Learning from an internationally renowned faculty in the areas of statistics, probability and economics gives the students exposure and access to challenging work domains which are heavily analytical and problem solving based. Also, the program supplements the profiles with professional training in software skills like C and R. The details of the program can be found at the following link:  
<https://www.isid.ac.in/~statmath/index.php?module=Home>

## Compulsory Courses

- Linear Models and Markov Chains
- Design of Experiments and Sample Surveys
- Large Sample Statistical Methods
- Real Analysis
- Statistical Inference - I
- Regression Analysis
- Multivariate Statistical Analysis
- Programming, Data Structures and Algorithms

## Elective Courses (1st year)

- Nonparametric Inference (For QE specialization)
- Time Series Analysis (For QE and AP specializations)
- Measure Theoretic Probability (For AP specialization)
- Complex Analysis and Metric Topology (For AP specialization) Quantitative

## Advanced Probability (2nd year)

### Compulsory Courses

- Advanced Probability - I (Martingale Theory)
- Functional Analysis
- Stochastic Processes - I
- Stochastic Processes - II

### Elective Courses

- Advanced Probability - II (Interactions between Analysis and Probability Theory)
- Topology and Set Theory
- Percolation Theory
- Stochastic Calculus
- Large Deviations Theory
- Calculus on Manifolds
- Game Theory - I



# Honorary Faculty



In placing ISI Delhi at the rare position that it is - not only in the country but arguably in the world - the distinguished faculty, whose research spans theoretical and applied aspects of Economics, Mathematic and Statistics, has been critical. The institute was established in 1974 with the initial objective of becoming a center of excellence in research on mathematical analysis and probability to which soon the additional objective of establishing a center for research in economic theory and policy implications was brought to bear upon.

The mathematics and probability division was built under the guidance of renowned Indian Mathematician K. R. Parthasarthy. Together with his distinguished colleagues such as Alope Dey, Rajendra Bhatia and Rajeeva L. Karandikar, the institute has since gained a reputation which is currently being replicated in other well known institutes of the country such as Chennai Mathematical Institute.

## Debraj Ray

Co-editor at American Economic Review  
Professor of Development Economics and Game Theory, NYU

Trailblazers such as T. Parthasarathy, Dilip Mookherjee, Debraj Ray and Bhaskar Dutta who have made far reaching contributions to many fields such as Development Economics and Game Theory were instrumental in building the backbone of the institute's Economics & Planning Unit over the span of a decade. They are at the center stage of activity in Economics and while they have since held positions at institutions such as New York University, Warwick University and Massachusetts Institute of Technology they continue to contribute to the institute's academic and research environment with full force.



## K. R. Parthasarathy

Shanti Swarup Bhatnagar Prize (1977)  
Twas Prize (1996)  
Professor, ISI Delhi

# Current Faculty



The current generation of full time faculty members in both departments continue to provide excellent training leveraging their expertise in theory, policy and research which places the students trained here at an advantage.

Some of the current distinguished faculty in the Economics & Planning Unit are Arunava Sen (winner of the Infosys Prize for Social Sciences 2012) who is a renowned Microeconomist.

Bharat Ramaswami who is well known for his contributions to agricultural policy for the Government of India, Satya P. Das who is a distinguished Trade theorist, Chetan Ghate who is a member of the Monetary Policy Committee of the Reserve

Bank of India and Eswaran Somanathan who is the Program Director at CECFEE.

Additionally, three of the above - Arunava Sen, Bharat Ramaswami and Chetan Ghate - are also recipients of the distinguished PC Mahalanobis Medal which is awarded for outstanding economists who have contributed to the nation through their work.

In the Theoretical Statistics & Mathematics Unit, leading probabilists Rahul Roy and Abhay G. Bhat together with Deepayan Sarkar in statistical computing are to name a few. Deepayan Sarkar, who is one of the core members in the group that is responsible for the development and maintenance of the statistical package R, has set up a laboratory for training students in the use of this software.



**Arunava Sen**  
Infosys Prize in Social Sciences (2012)



**Bharat Ramaswami**

Mahalanobis Memorial Medal (2004)

**Eswaran Somanathan**

Program Director, CECFEE  
Executive Director, SANDEE





**Chetan Ghate**

Director, Institute of Economic Growth  
Previously: Member of the Monetary  
Policy Committee, RBI  
Mahalanobis Memorial Award (2014)

# Professors





## Chetan Ghate

 Ph. D. Claremont Graduate School, California  
 Macroeconomics, Monetary Economics, Macroeconomic Development





## Debasis Mishra

 Ph. D. University of Wisconsin, Madison.  
 Auctions, Game Theory, Mechanism Design





## Abhiroop Mukhopadhyay

 Ph. D. Pennsylvania State University.  
 Microeconometrics, International Trade, Development Economics





## Eswaran Somanathan

 Ph. D. Harvard University  
 Environmental Economics, Development Economics, Microeconomic Theory





## Tridip Ray

 Ph. D. Cornell University  
 Economic Development and Growth, Applied Microeconomics, Financial Development





## Prabal Roy Chowdhury

 Ph. D. Indian Statistical Institute  
 Microeconomic Theory, Development Economics





## Arunava Sen

 Ph. D. Princeton University  
 Social Choice Theory, Game Theory, Mechanism Design

# Associate Professors





## Farzana Afridi

 Ph. D. University of Michigan  
 Development Economics, Labour Economics





## Monishankar Bishnu

 Ph. D. Iowa State University  
 Macroeconomics, Growth and Development Economics



## Mudit Kapoor

 Ph. D. University of Maryland  
 Probability and Statistics

# Visiting Professors



**G**urbachan Singh

Ph. D. ISI Delhi

Finance



**S**warnendu Chatterjee

Ph. D. University of Maastricht

Game Theory, Social Choice Theory, Mechanism Design.



**S**hivani Wadehra

Ph. D. Department of Energy and Environment, TERI School of Advanced Studies

Environmental Economics



**R**ohit Kumar

Ph. D. Toulouse School of Economics

Econometric Theory, Empirical IO



**R**enuka Sane

Ph. D. University of New South Wales, Sydney

Finance



**M**egha Patnaik

Ph. D. Stanford University

Labour, Finance and Macroeconomics.



**K**anishka Kacker

Ph. D. University of Maryland

Energy and Environment, Industrial Organization, Institutions and Economic Development.



**A**rka Roy Chaudhuri

Ph. D. University of University of British Columbia

Political Economy, Development Economics.

# CURRENT BATCH

<b>Abhay Gupta</b>	B.Com (Hons.) Hansraj College, Delhi University	<b>Mohnesh Kumar</b>	Economics (Hons.) Hansraj College, Delhi University
<b>Alok Ranjan Sharma</b>	B. Tech (Mechanical Engineering), IIT Kanpur	<b>Navneet Jha</b>	Economics (Hons.) Ramjas College, Delhi University
<b>Anubhav Jhunjhunwala</b>	Economics (Hons.), Shri Ram College of Commerce, Delhi University	<b>Nikita Singh</b>	Economics (Hons.) Indraprastha College, Delhi University
<b>Asmita Raychaudhury</b>	B.Sc. Economics Hons. St. Xavier's College, Kolkata	<b>Noopur Daatar</b>	Electrical Engineering, IIT Goa
<b>Ayushi Bajaj</b>	Economics (Hons.) Kirorimal College, Delhi University	<b>Priyharsh</b>	Civil Engineering, IIT Bombay
<b>Bikash Jaiswal</b>	B. Tech (Electronics and Communication Engineering), GGSIPU, Delhi University	<b>Rahul Kushwaha</b>	Economics (Hons.) Deshbandhu College, Delhi University
<b>Ishan Azad</b>	B. Tech (Maths and Computing), IIT Guwahati	<b>Sanyam Agarwal</b>	Computer Science & Engineering, Dr. APJ Abdul Kalam Technological University
<b>Jay Lohia</b>	Electrical and Electronics Engineering, BITS Pilani, Goa	<b>Saurabh Joshi</b>	Metallurgy and Materials Engineering, IIT Roorkee
<b>Khushi Kanojia</b>	Economics (Hons.) Kirorimal College, Delhi University	<b>Shashwat Jain</b>	Economics (Hons.) College of Vocational Studies, Delhi University
<b>Labeeb Hassan</b>	Economics (Hons.) Hindu College, Delhi University	<b>Trived K</b>	Economics (Hons.) Aryabhatta College, Delhi University
<b>Mahima Yadav</b>	Economics (Hons.) Hansraj College, Delhi University	<b>Varun Pathak</b>	Economics (Hons.) Venkateshwara College, Delhi University
<b>M. Rithish Kumar Mourya</b>	B. Tech (Mechanical Engineering), IIT Dhanbad	<b>Vigya Kaushal</b>	Economics (Hons.) Indraprastha College, Delhi University



ISI  
INFRASTRUCTURE

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**ISI HOSTEL**



## **ISI LIBRARY**

Three-storeyed building  
Over 50,000 volumes  
800 journals



**CLASSROOM**



## **ISI COMPUTER LAB**

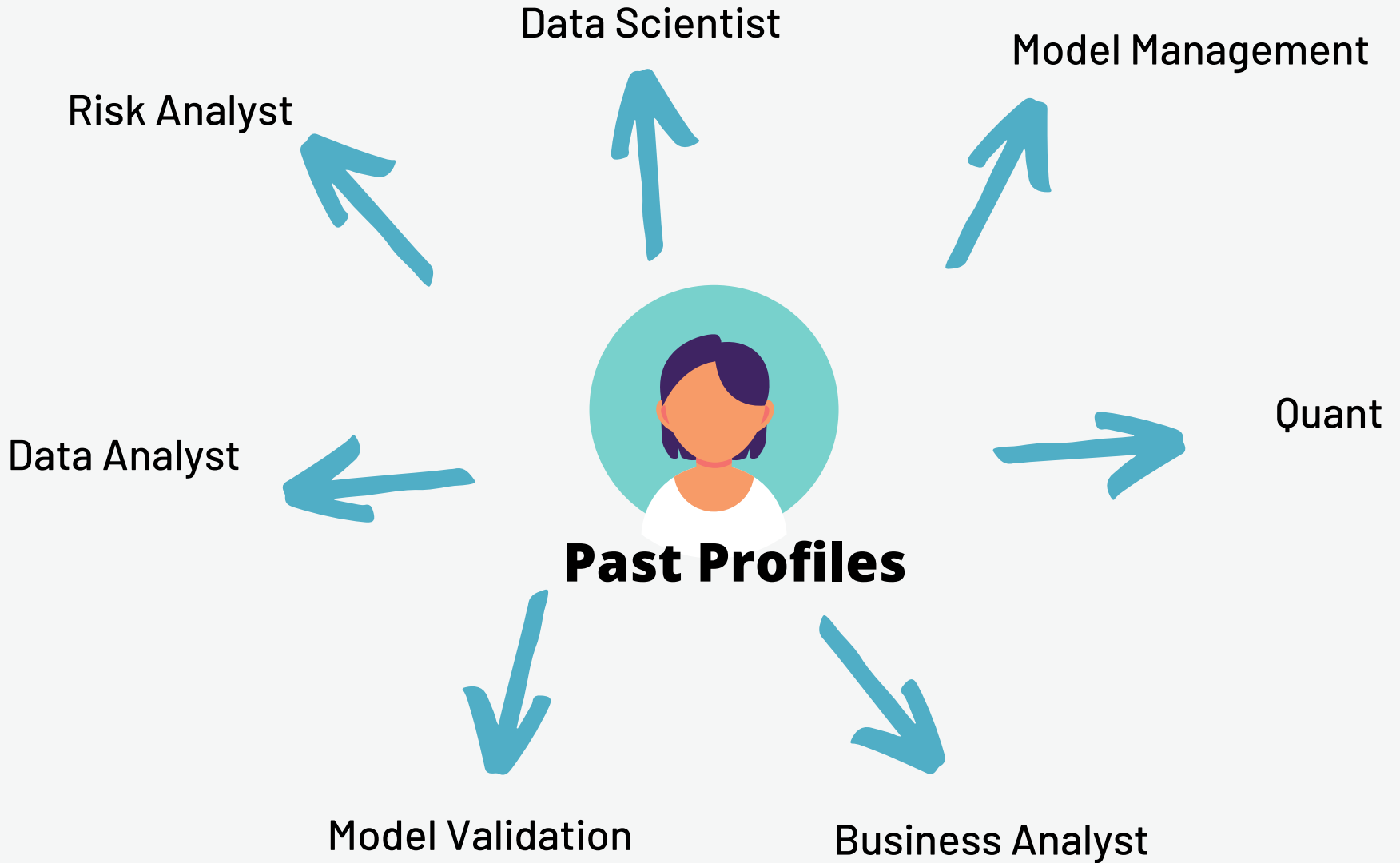
Access to all major Indian and  
foreign journals  
24\*7 access to about 50  
workstations



**WHY  
ISI?**

# Why ISI?

- ONE OF THE MOST SELECTIVE ENTRANCE EXAMS
- RIGOROUS COURSE STRUCTURE WITH A FOCUS ON MATHS, STATISTICS AND QUANT SKILLS
- INDEPENDENT RESEARCH & TECHNICAL REPORT WRITING SKILLS
- EMPIRICAL PROJECT IN R, PYTHON, STATA AS PART OF COMPULSORY COURSEWORK



# PREVIOUS HIRERS

Goldman Sachs

JPMORGAN CHASE & CO.

Deloitte.

BANK OF AMERICA



BlackRock.



Deutsche Bank

RBS

NOMURA

Citi



UBS

accenture

KPMG

AMERICAN EXPRESS

Walmart



ICICI Bank

DE Shaw & Co

# PLACEMENT PROCESS

The placement process for MSQE and M.Stats students at ISI Delhi will start in September 2022



Companies fill up and email the campus recruitment form (CRF) to [placement@isid.ac.in](mailto:placement@isid.ac.in)



A mutually convenient date for Pre Placement Talks (PPTs) and campus recruitment is decided. Lateral recruitments too can be allowed at a mutually agreed date.



CVs of interested candidates are forwarded to the company. The company informs the placement committee about the shortlisted candidates.



The company visits the campus on the decided date and conducts its selection process.



The company informs the placement committee about the selected candidates, preferably within a day.

# PLACEMENT TEAM



Prof. Mudit Kapoor

Chairperson, Placement Cell

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