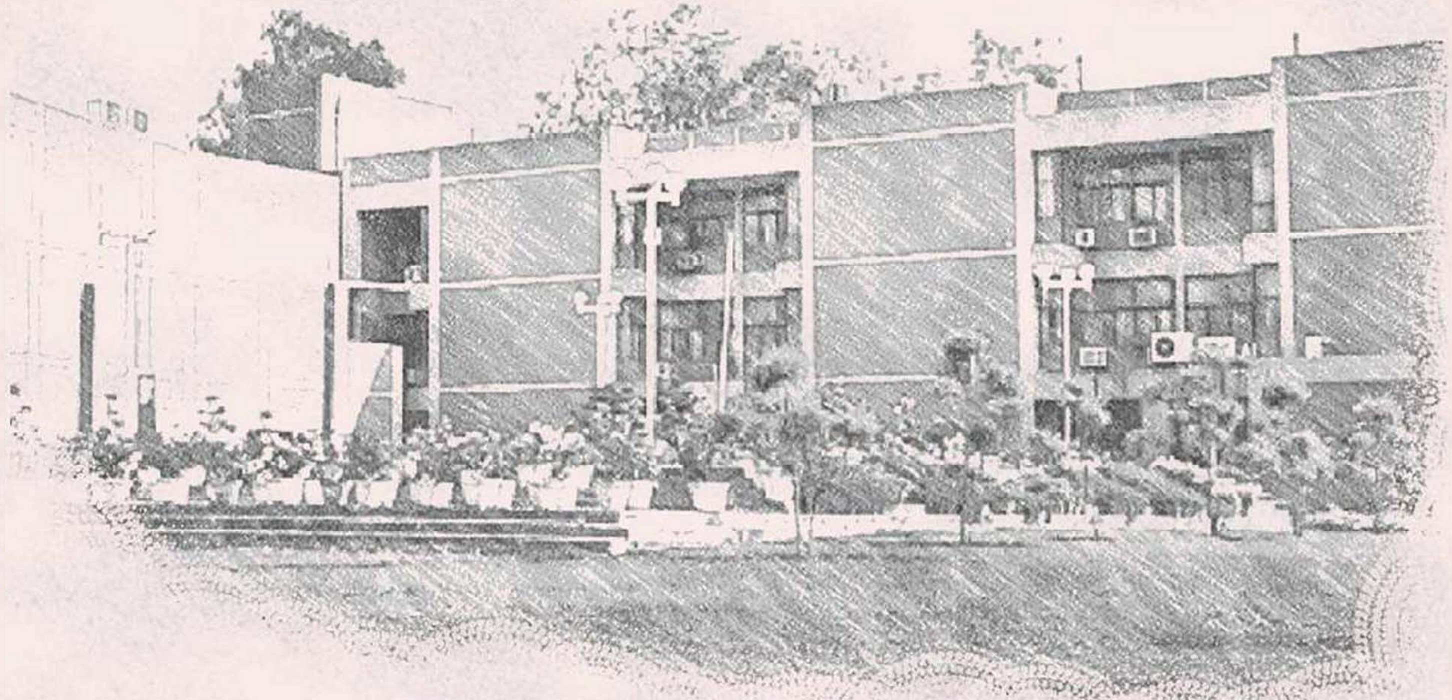
Indian Statistical Institute

भारतीय सांख्यिकीय संस्थान



Placement Brochure 2021-2022

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About ISI

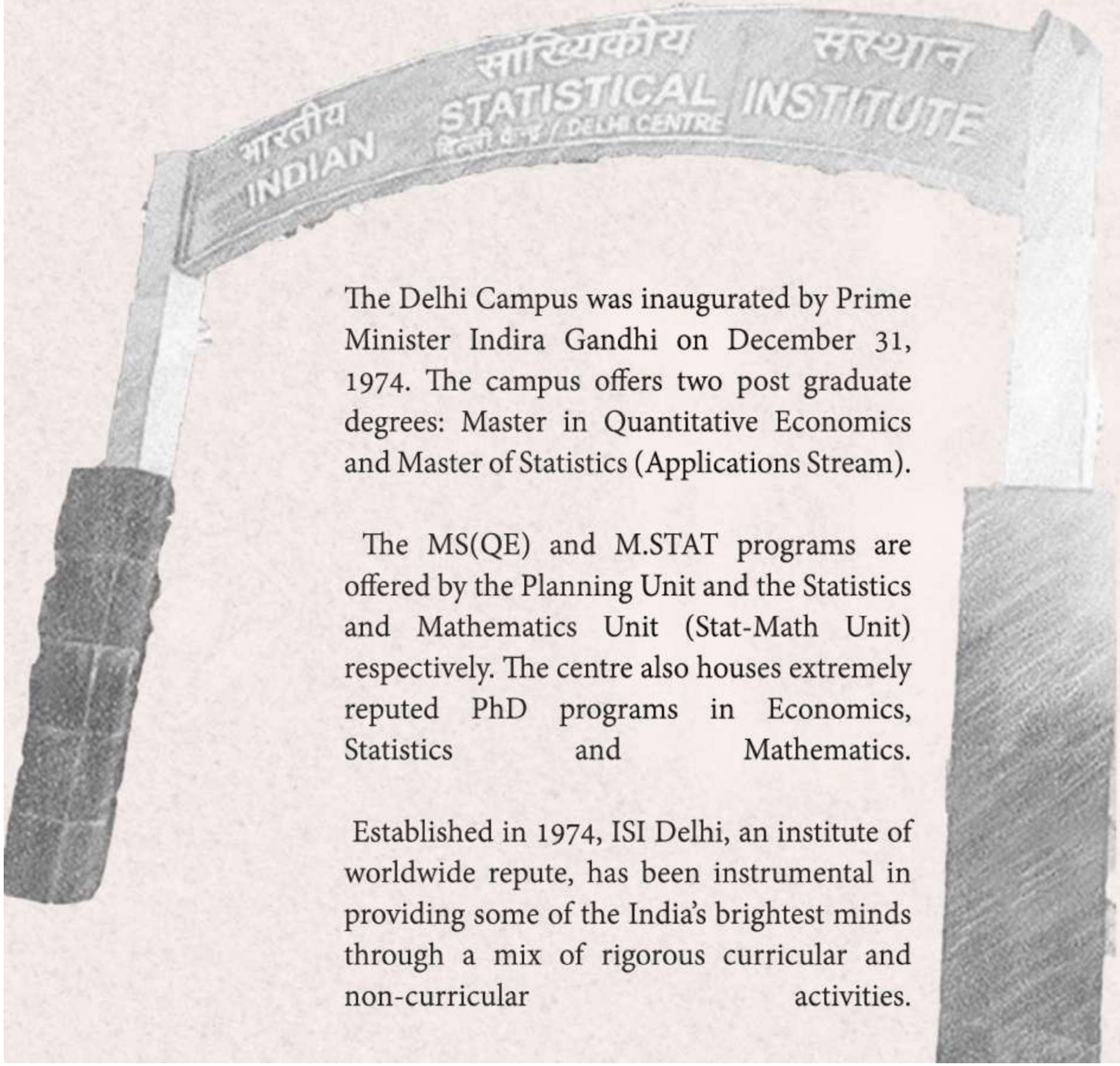
The origin of the institute can be traced back to the foray in statistics by Professor Prasanta Chandra Mahalanobis. This sparked off interest in the field among his colleagues. This group grew in the 1920's into the Statistical Laboratory located in his room at the Presidency College, Kolkata.

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

The 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.

Shanta Laishram,
Dean of Academic Affairs
Indian Statistical Institute

Message from the Head, Economics & Planning Unit

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 **2021-2022** 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 visit our campus and provide placement opportunities for the batch 2020-2022 and summer internships for the first year students of 2021-2023 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.

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. The details of the program can be seen at https://www.isid.ac.in/~epu/?page_id=76

100%

STUDENT PASSING RATE

100%

PLACEMENT RATE

Course Structure

4	20	5
Semesters	Courses	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

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 follwing 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.

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

The mathematics and probability division was built under the guidance of renowned Indian Mathematician K. R. Parthasarthy. Together with his distinguished colleagues such as Aloke 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.

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

Arunava Sen

Infosys Prize in Social Sciences (2012)

Additionally, three of the above - Arunava Sen, Bharat Ramaswami and Chetan Ghate - are also recipients of the distinguished PC Mahalanobis Medal which is the 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.

Bharat Ramaswami

Mahalanobis Memorial Medal (2004)

Eswaran Somanathan

Program Director, CECFEE
Executive Director, SANDEE

Chetan Ghate

Member of Monetary Policy Committee, RBI
Mahalanobis Memorial Medal (2014)

Professors

Eswaran Somanathan

Ph. D. Harvard University

Environmental Economics, Development Economics, Microeconomic Theory

Chetan Ghate

Ph. D. Claremont Graduate School, California

Macroeconomics, Monetary Economics, Macroeconomic Development

Tridip Ray

Ph. D. Cornell University

Economic Development and Growth, Applied Microeconomics, Financial Development

Debasis Mishra

Ph. D. University of Wisconsin, Madison.

Auctions, Game Theory, Mechanism Design

Prabal Roy Chowdhury

Ph. D. Indian Statistical Institute

Microeconomic Theory, Development Economics

Abhiroop Mukhopadhyay

Ph. D. Pennsylvania State University.

Microeconometrics, International Trade, 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

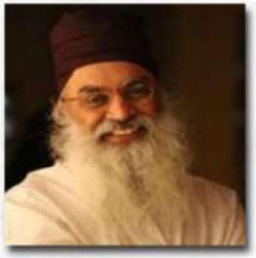
Macroeconomics, Growth and Development Economics

Mudit Kapoor

Ph. D. University of Maryland

Probability and Statistics

Visiting Professors



Gurbachan Singh

Ph. D. ISI Delhi

Finance

Swarnendu Chatterjee

Ph. D. University of Maastricht

Game Theory, Social Choice Theory, Mechanism Design.

Shivani Wadehra

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

Environmental Economics

Rohit Kumar

Ph. D. Toulouse School of Economics

Econometric Theory, Empirical IO

Renuka Sane

Ph. D. University of New South Wales, Sydney

Finance

Megha Patnaik

Ph. D. Stanford University

Labour, Finance and Macroeconomics.

Kanishka Kacker

Ph. D. University of Maryland

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

Arka Roy Chaudhuri

Ph. D. University of University of British Columbia

Political Economy, Development Economics.

Current Batch

Aditi Acharya	B.A. Economics (Hons.) St. Stephen's College, University of Delhi
Aman Kumar Meena	B.A. Economics (Hons.) Atma Ram Snatan Dharma College, University of Delhi
Arpita S Abraham	B.A. Economics (Hons.) Jesus and Mary College, University of Delhi
Ashok Kumar	B.Tech in Computer Science IIT(ISM), Dhanbad
Binoy Saju	B.A. Economics (Hons.) St. Stephen's College, University of Delhi
Md Arbaj Meman	B.Tech in Electrical Engg. IIT, Kanpur
Meet Mehta	B.Sc. in Economics Sarla Anil Modi School of Economics, NMIMS, Mumbai
Megha Amar	B.Tech in Mechanical Engg Delhi Technological University
Megha Garg	B.A. Economics (Hons.) Hansraj College, University of Delhi
Mudit Gupta	B.A. Economics (Hons.) Kirori Mal College, University of Delhi
Ojasvini	B.A. Economics (Hons.) Shri Ram College of Commerce, Univeristy of Delhi
Om Prakash	B.A. Economics (Hons.) Satyawati College, University of Delhi
Piyush Ranjan	B.A. Economics (Hons.) Kirori Mal College, University of Delhi
Pranjal Singhal	B.E.(H) in Manufacturing Engg. BITS Pilani, Rajasthan
Priya Bareja	B.A. Economics (Hons.) Lady Shri Ram College for Women, University of Delhi
Rabi Mondal	B.A. Economics (Hons.) Chandernagore College, University of Burdwan
Rayhan Ali	B. Tech in Mechanical Engg. Delhi Technological University
Ridhivi Srivastava	B.A. Economics (Hons.) Shaheed Bhagat Singh College, Uiversity of Delhi
Ritesh Pratap Singh	B.A. Economics (Hons.) Hindu College, University of Delhi
Rohan Das	B.Sc. (Research) in Mathematics Indian Institute of Science, Bangalore
Sarath Kumar S	B. Tech in Metallurgical and Materials Engg. IIT, Madras
Shireen Shajumon	B.A. Economics (Hons.) Sri Venkateswara College, University of Delhi
Shreyan Shrijan	B.Tech in Electrical and Electronics Engg. Manipal Institute of Technology, Manipal, Karnataka
Srishty Jain	B.A. Economics (Hons.) Motilal Nehru College, University of Delhi
Tejaswini Tabhane	B.A. Economics (Hons.) Miranda House, University of Delhi
Varun Bansal	B.A. Economics (Hons.) Ramjas College, Uiversity of Delhi
Saurabh Yadav	B.A. Economics (Hons.) Satyawati College, University of Delhi

ISI INFRASTRUCTURE

ISI HOSTEL

ISI LIBRARY

Three-storeyed building
Over 50,000 volumes
800 journals

CLASSROOM

ISI COMPUTER LAB

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

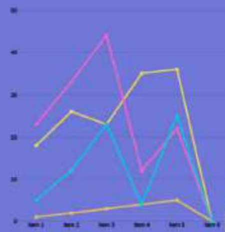
WHY ISI?

ENTRANCE

The ISI entrance tests students in the following domains

1 QUANTITATIVE SKILLS

2 ANALYTICAL SKILLS



3 ECONOMIC THOUGHT

WHY IT IS A GREAT

WHY ISI

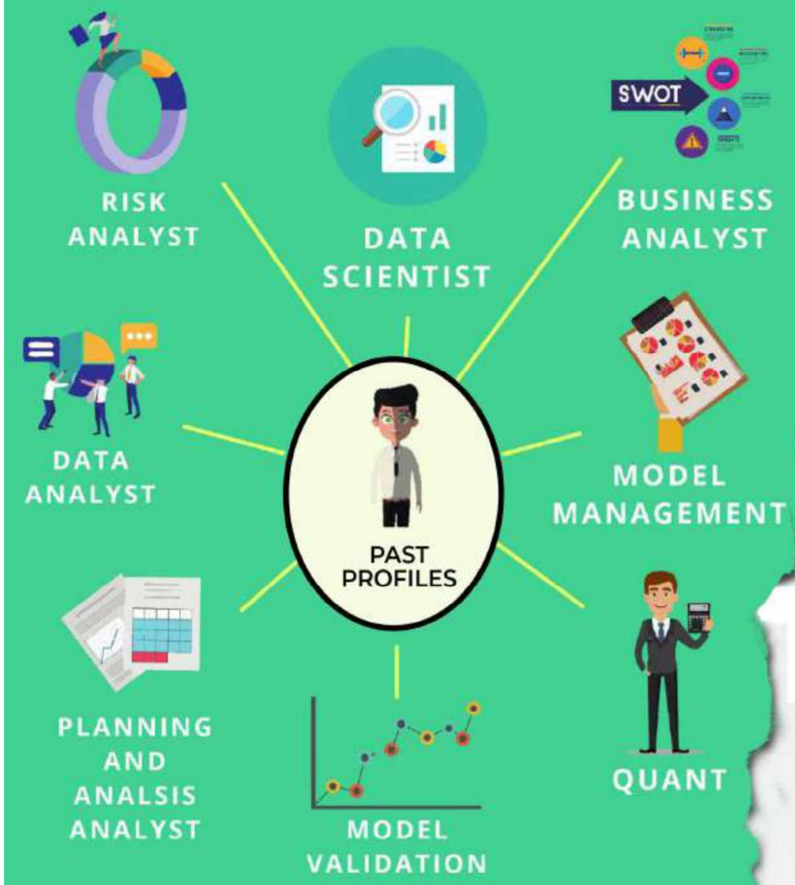
IDEA TO HIRE HERE

RIGOROUS COURSE STRUCTURE

ENABLES STUDENTS TO SOLVE **OPEN ENDED PROBLEMS** EFFICIENTLY

INDEPENDENT RESEARCH THINKING & TECHNICAL REPORT WRITING SKILLS

ARE DEVELOPED THROUGH WEEKLY SEMINARS, MANDATORY PROJECT WRITE-UPS, SUBJECTIVE ASSIGNMENTS.



SOFTWARE

R | PYTHON | STATA

WHY IT IS A GREAT

WHY ISI

IDEA TO HIRE HERE

WEEKLY SEMINARS

Indian Statistical Institute Delhi holds weekly seminars where speakers from all over academia assemble to share their ideas. Topics range from empirical studies, Microeconomic theory, Macroeconomics and discussion of policies.

READING GROUPS

Along with the PhD troupe at ISI, the masters students attend, participate and present in weekly reading groups. This hones their technical report writing skills as well as their verbal abilities.

EMPIRICAL PROJECT ON STATA/R

COMPULSORY

Between the second and third semester, every ISI student is required to identify a problem, and answer it by using any data set in the public domain and running regressions and anaylses.

WHY IT IS A GREAT

WHY ISI

IDEA TO HIRE HERE

Who has hired here before?

Goldman Sachs

ICICI Bank

Deutsche Bank

Idea

KPMG

accenture

NOMURA

Azure Power

J.P.Morgan

RBS

AMERICAN EXPRESS

JPMORGAN CHASE & CO.

citi

BlackRock.

UBS

BANK OF AMERICA

RELIANCE

Deloitte.

Cognizant

D E Shaw & Co

Walmart
Save money. Live better.

OYO

HDFC BANK
We understand your world

HOME CREDIT

Placement Process

Placement process for MSQE students at ISI Delhi will start in October, 2021.

Companies fill up and email the campus recruitment form (CRF) to 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 finally selected candidates, preferably within a day.

Placement Team

PROF. MUDIT KAPOOR

Chairperson, Placement Cell,

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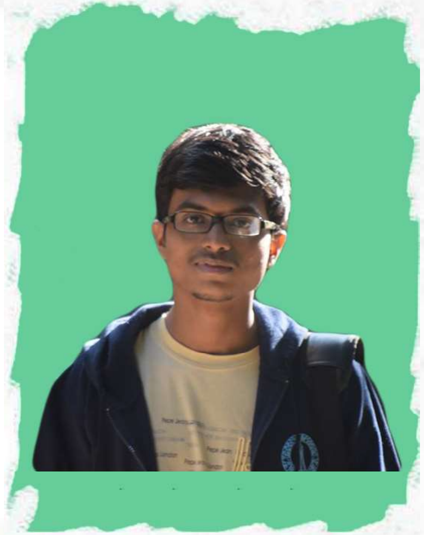

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STATISTICAL

INDIAN INSTITUTE

ভিন্নেষ্বৈক্যস্য দর্শনম্

UNITY IN DIVERSITY

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