



Indian Statistical Institute Kolkata



PLACEMENT BROCHURE 2021-22



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plccom@isical.ac.in](https://www.isical.ac.in/plccom@isical.ac.in)



About ISI Kolkata

- Established in 1931, Indian Statistical Institute is one of the oldest and most prestigious institutions focused on Statistics and allied disciplines such as Mathematics, CS, Economics, SQC etc.
- Founded by Professor P.C. Mahalanobis in Kolkata on 17th December, 1931, the institute gained the status of an Institution of National Importance by an act of the Indian Parliament in 1959. The Headquarters of ISI is located in Kolkata and additionally, there are four centres located in Delhi, Bangalore, Chennai and Tezpur.
- In its continual effort to achieve excellence in both postgraduate education and research work, the institute has earned an international academic reputation in the field of Statistics, Economics Computer and Allied Sciences.
- ISI Alumni have adorned Senior Leadership and Analytics roles at reputed Companies as well as distinguished faculty positions at world famous Universities. They have received numerous awards and recognition as well.
- The institute has more than 250 faculty members who are involved in novel research work and collaborations and have been honoured with the awards such as Padmashree, S.S. Bhatnagar Award etc.
- In addition to offering formal Post-graduate and Ph.D. Programs, the Institute has been involved in Continuing Education and Research & Development in areas of value to both the Industry and the Government.

Our Vision

The unique perception of nurturing Statistics as a unifying discipline, as envisioned by Professor PC Mahalanobis, and constantly enriching suitably with time and providing the basic philosophy for formulating the strategy for interlacing and encompassing newly emerging areas of research in all its scientific divisions.

Our Mission

To promote the study and dissemination of knowledge of Statistics, to develop statistical theory and methods, and their use in research and practical applications generally, with special reference to problems of planning of national development and social welfare.

To provide for, and undertake, the collection of information, investigation, projects and operational research for purpose of planning and the improvement of efficiency of management and production.

To undertake research in various fields of natural and social sciences, with a view to the mutual development of Statistics and these sciences.

To undertake any other ancillary activities in fulfillment of the objectives stated above



Content

1. Academic programmes
2. Other Campuses
3. Batch Demographics
4. Branch-wise statistics
5. Placement Policies
6. Internship/Placement Statistics 2020-21
7. Past Recruiters
8. Placement Committee



Academic Programmes

The institute offers the following degree programmes at its Kolkata Campus-

Undergraduate

- Bachelor of Statistics (Honours) [B Stat (Hons)]

Postgraduate

- Master of Statistics [M Stat]
- Master of Mathematics [M Math]
- Master of Science in Quantitative Economics [MS (QE)]
- Master of Technology in Computer Science [M Tech (CS)]
- Master of Technology in Cryptology and Security [M Tech (CrS)]
- Master of Technology in Quality, Reliability & Operations Research [M Tech (QROR)]

Research Programmes I

The Institute awards Ph D degrees for research in the following fields.

- Statistics
- Mathematics
- Quantitative Economics
- Computer Science
- Quality, Reliability & Operations Research (QROR)

Research Programmes II

The Institute also offers Junior Research Fellowships in several areas of the Natural Sciences and the Social Sciences.

- Physics
- Geology
- Biological Sciences

Diploma Programmes

The institute offers the following diploma programmes.

- Postgraduate Diploma in Business Analytics (jointly with IIT Kharagpur and IIM Calcutta) Kolkata (2 years)



Other Campuses

ISI Bengaluru

M.Math. (Masters in Mathematics)

M.S.QMS (M.S. in Quality
Management
Science)

M.S.LIS (M.S. in Library and
Information Science)

Placement website:

www.isibang.ac.in/~placement

Email: plcconv@isibang.ac.in

ISI Delhi

MSQE (M.S. in Quantitative
Economics)

Placement website:

www.isid.ac.in/~placement

Email: placement@isid.ac.in

ISI Tezpur

Post Graduate Diploma in
Statistical Methods and

Analytics **Placement website:**

<http://www.isine.ac.in/placement/placement.html>

Email: placementcell@isine.ac.in

ISI Chennai

Post Graduate Diploma in
Computer Applications

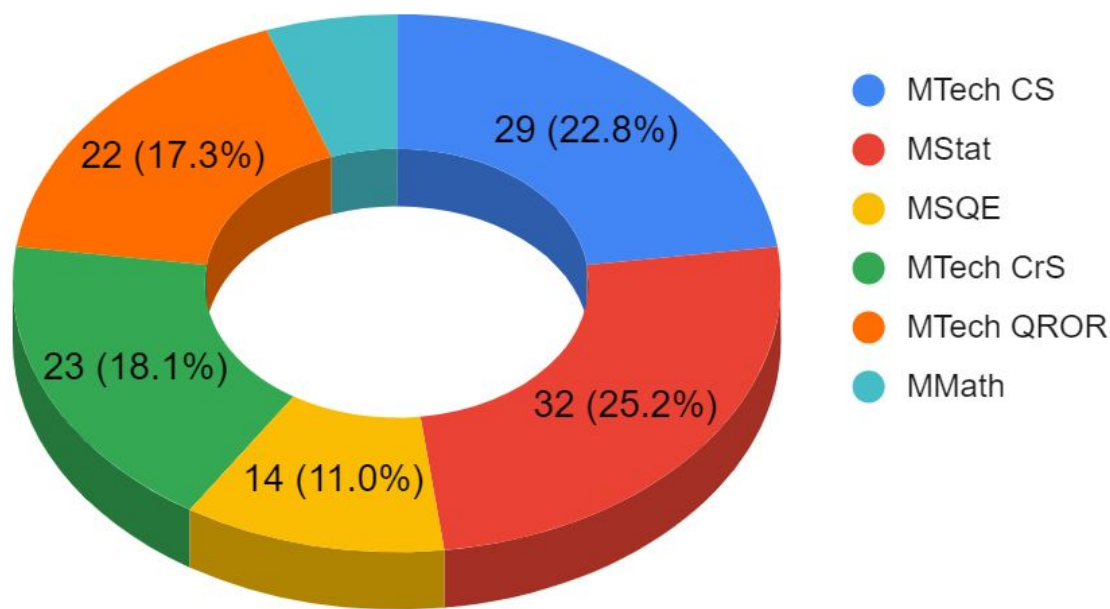
Placement website:

<https://www.isichennai.res.in/placement.php>

Email: placements@isichennai.res.in

Batch Demographics

Department-wise distribution of students



Batches available for Final Placements

M.Tech CS (M.Tech in Computer Science)

M.Stat (Masters in Statistics)

MSQE (M.S. in Quantitative Economics)

M.Tech CRS (M.Tech in Cryptology and Security)

M.Tech QROR (M.Tech in Quality, Reliability and Operations Research)

M.Math. (Masters in Mathematics)

Batches available for 2 months Summer Internship

M.Tech CS (M.Tech in Computer Science)

M.Stat (Masters in Statistics)

MSQE (M.S. in Quantitative Economics)

M.Tech CRS (M.Tech in Cryptology and Security)

M.Tech QROR (M.Tech in Quality, Reliability and Operations Research)

Batches available for 6 months Internship

M.Tech CRS (M.Tech in Cryptology and Security)

M.Tech QROR (M.Tech in Quality, Reliability and Operations Research)

MTech CS

29
Students
interested in
Job
(All Data
Science spl.)

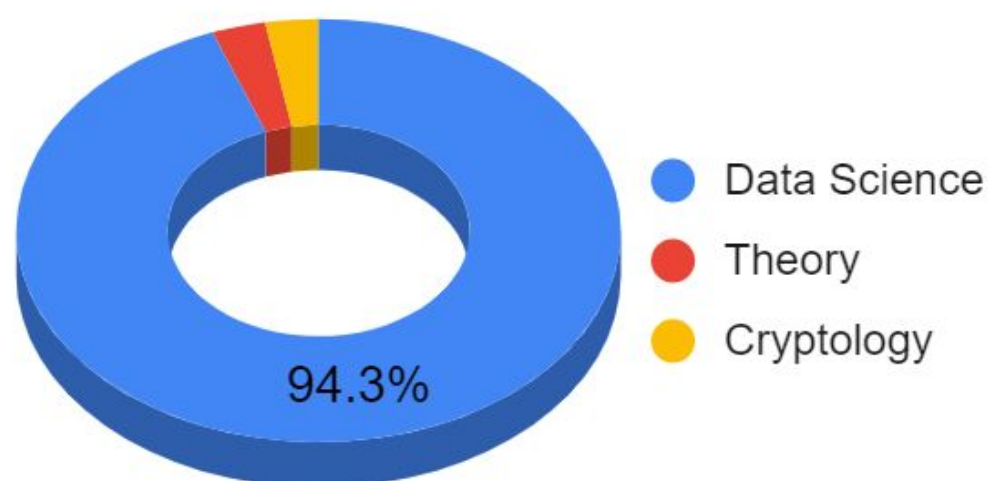
14.5+
Avg Work Exp
(in months)

34% have prior work experience

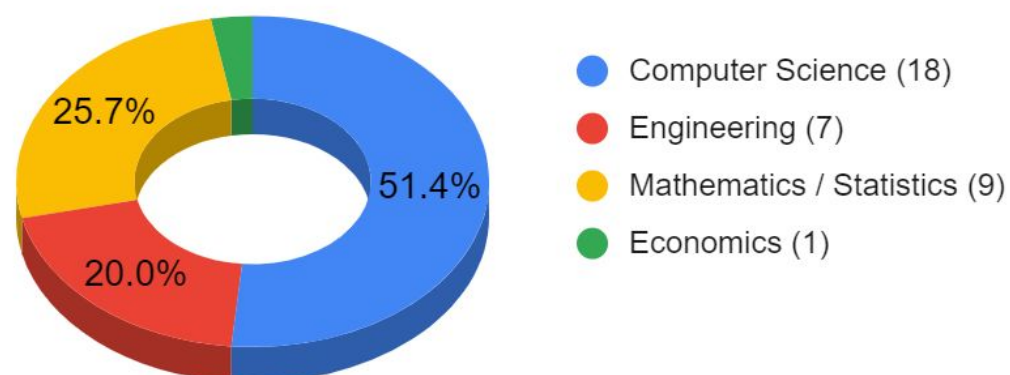
28.5% are BTech / MSc from IITs

48.5% are BTech / MSc from top tier institutes like IITs, NITs, IIITs, IISER, NISER, UOH, Jadavpur University

Specialization



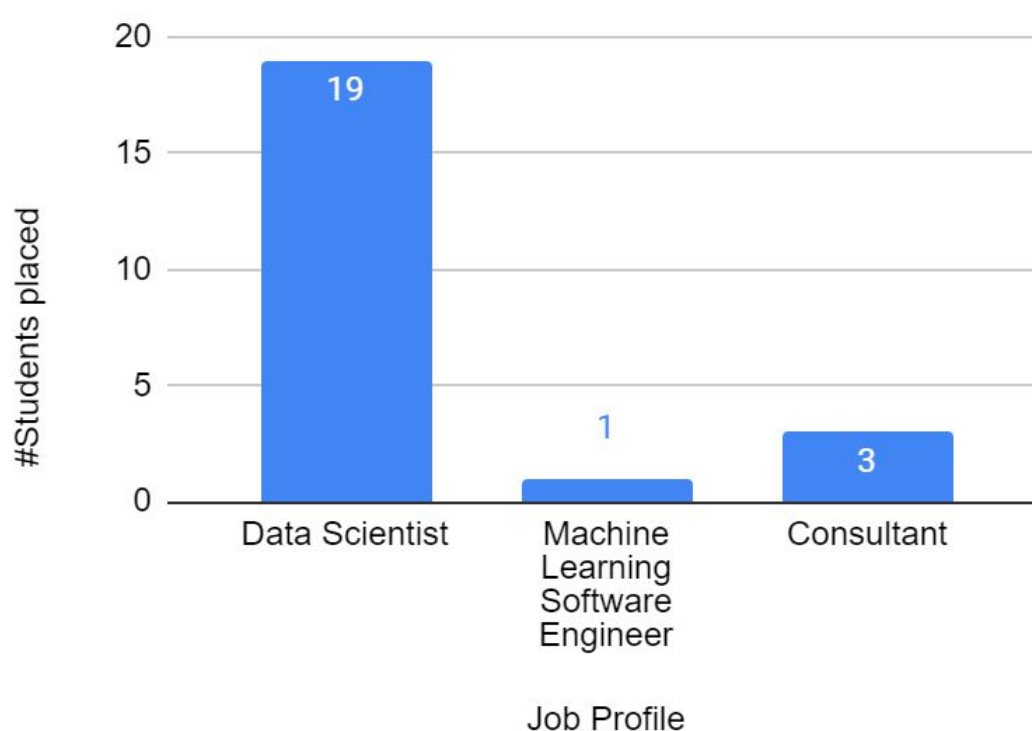
Students Background (Prior to MTech CS)



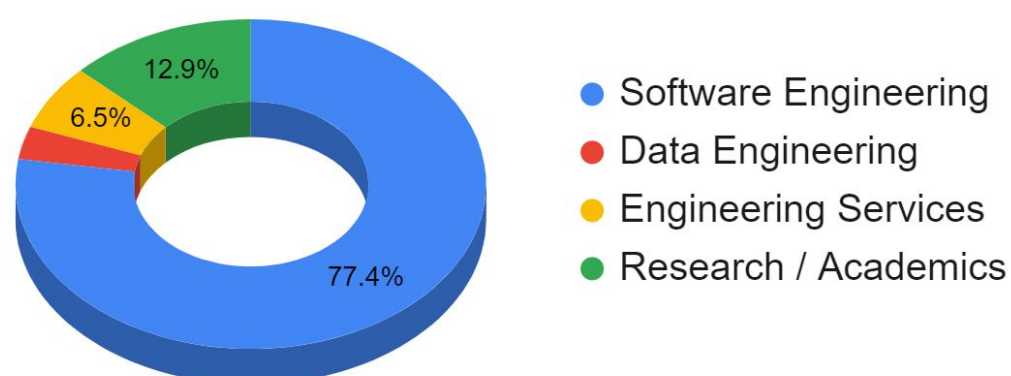
Areas of Expertise

- Machine Learning, Deep Learning & AI
- Natural Language Processing
- Computer Vision
- Computational Finance
- Bioinformatics
- Data Mining
- Software Engineering
- Optimization
- Statistical Computation
- Quantum Learning Theory
- Advanced Algorithms
- Distributed Systems and Big Data
- Advanced Graph & Randomised Algorithms

Placement Profiles (2020-21)



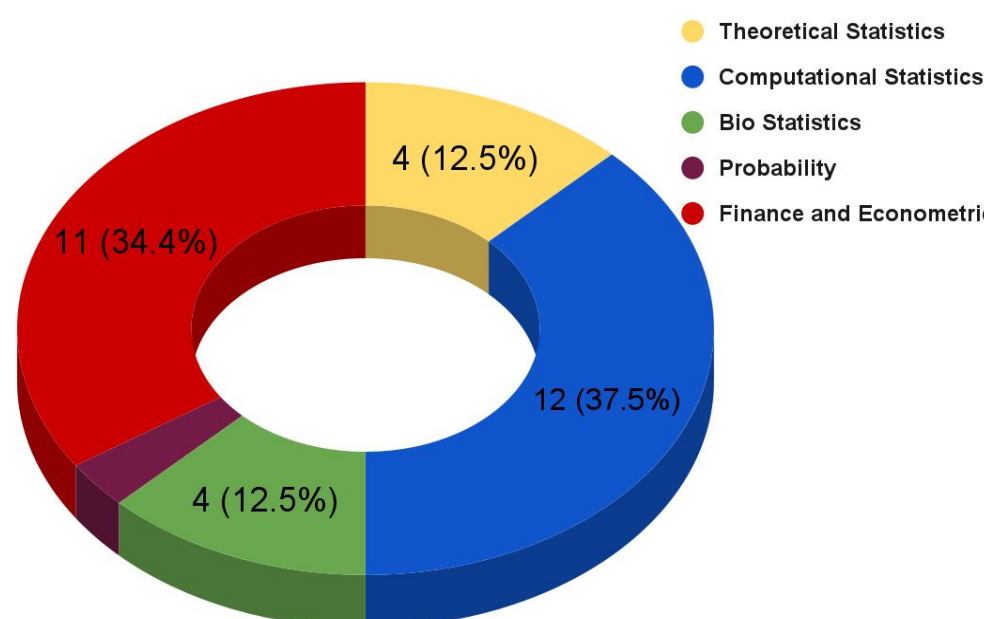
Work Experience Domains



Job Market Candidate : 32

- B Stream : B.Stat from ISI Kolkata
- NB Stream : Bachelors in Statistics, Mathematics, Engineering from other Institutes.

Specialization of Job market candidates



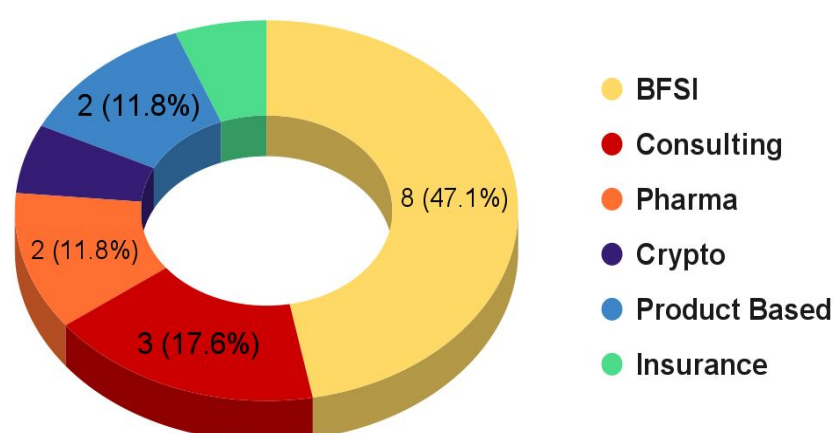
Area of Expertise

- Machine Learning, Deep Learning
- Statistical Inference & Modelling
- Regression & Time Series Modelling
- Data Mining, Visualization & Optimization
- Design of Experiments
- Graph Theory
- Multivariate & High Dimensional
- Sample Surveys
- Resampling Techniques
- Big Data
- Design & Analysis of Algorithms

Internship Statistics (M.Stat '22)

Highest Stipend - 1.65 lac per month
Average Stipend - 88k per month
Median Stipend - 1 lac per month

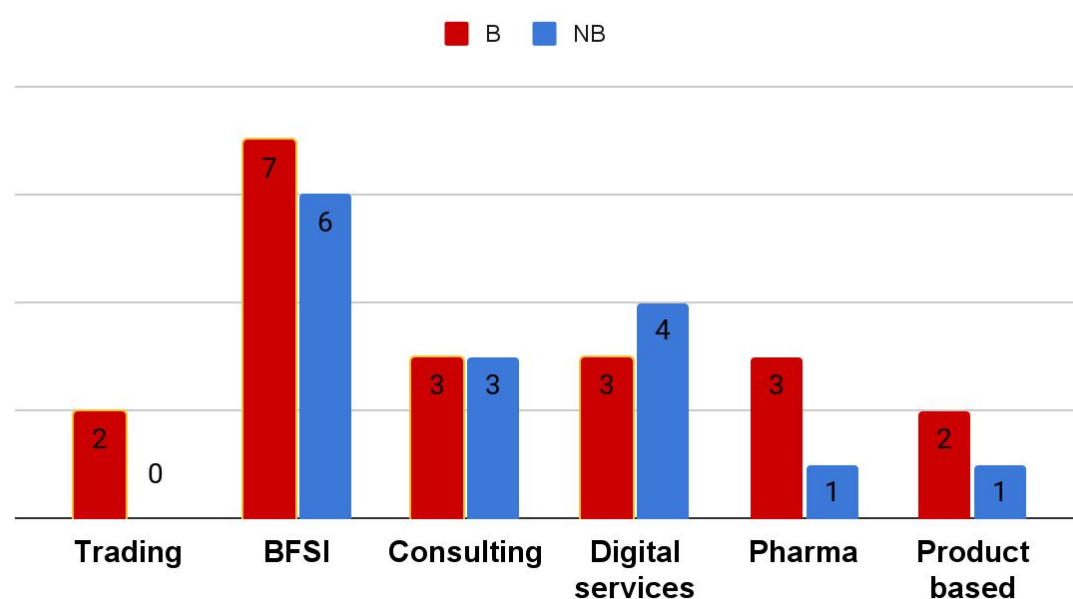
Internship Domain



Placement Statistics of M.Stat '21

Highest Package - 56 lpa
Average of Top 10 - 34.3 lpa
Average Package - 22 lpa
Median Package - 18.75 lpa

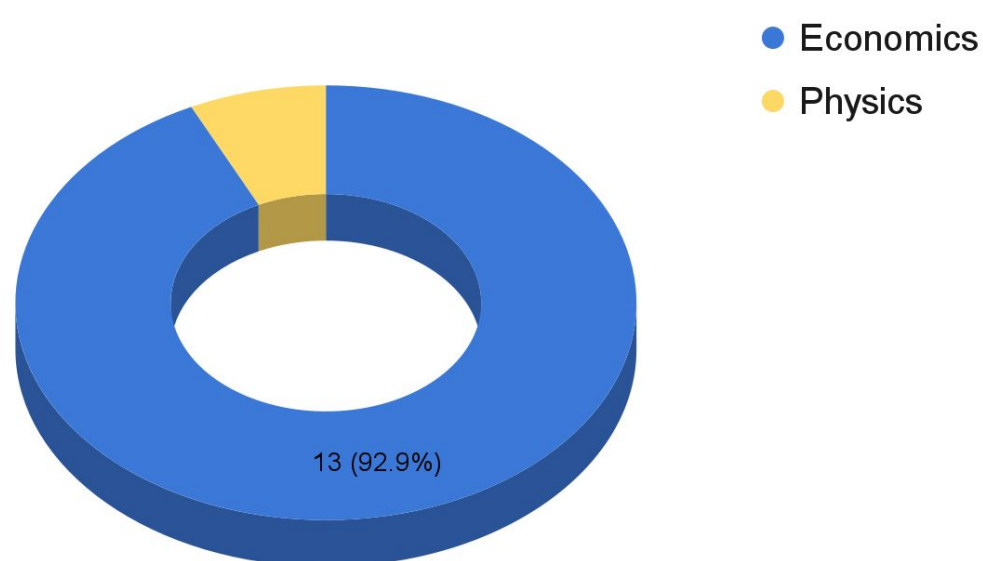
Placement Domain



MS (QE)

14
Batch size

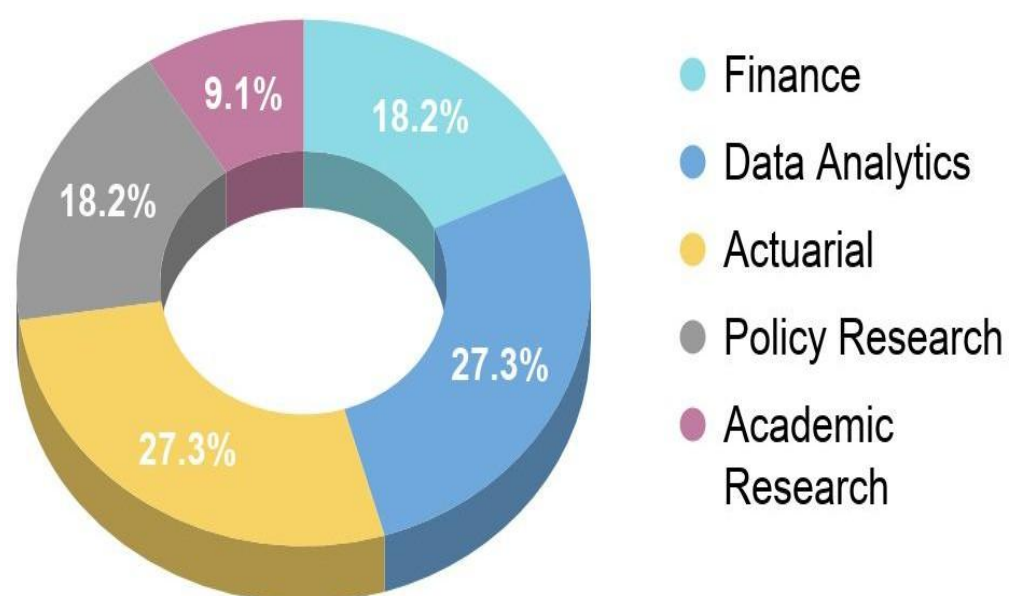
Background



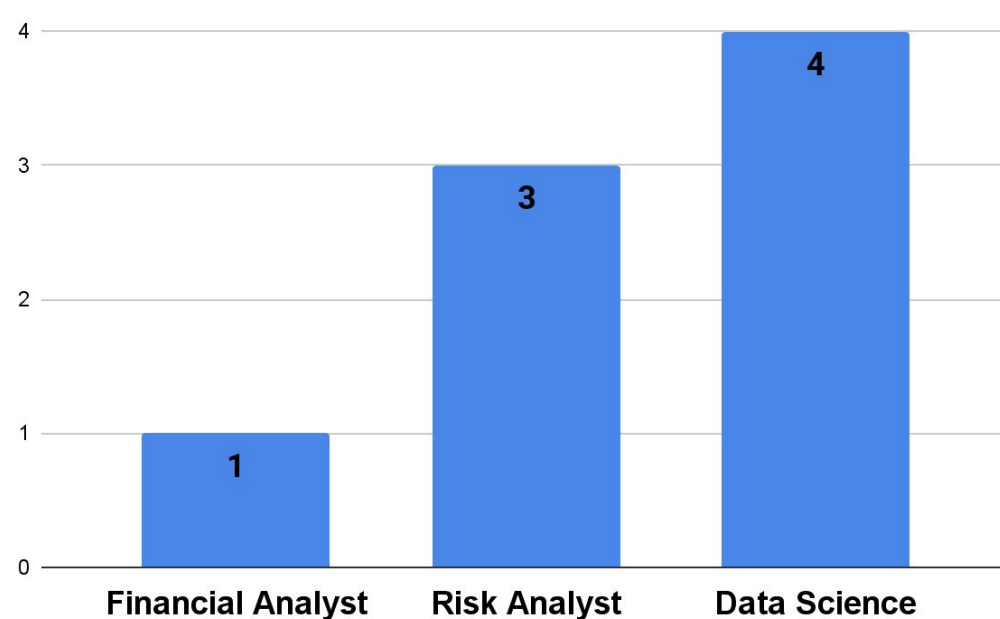
Area of Expertise

- Mathematical Finance
- Regression, Data Science & Machine Learning
- Statistical and Mathematical Modelling
- Econometrics and Time Series Analysis
- Actuarial Modelling and Valuation
- Programming, designing and analysis of algorithms
- Micro and Macro economic modelling and analysis
- Game Theory and Mechanism Design
- Sample Survey

Internship Domains*



Placement Profiles (2020-21)



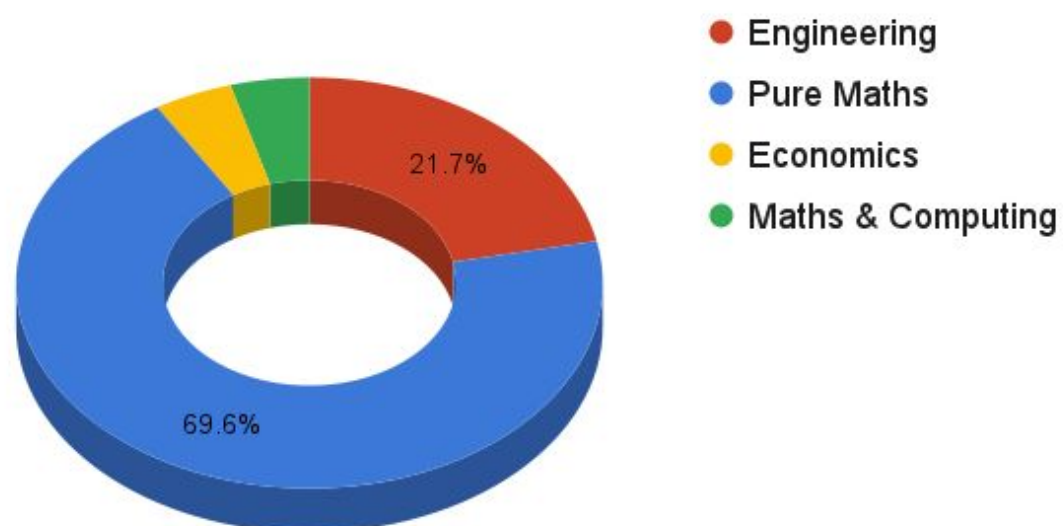
M.Tech CrS

Batch Size **23**

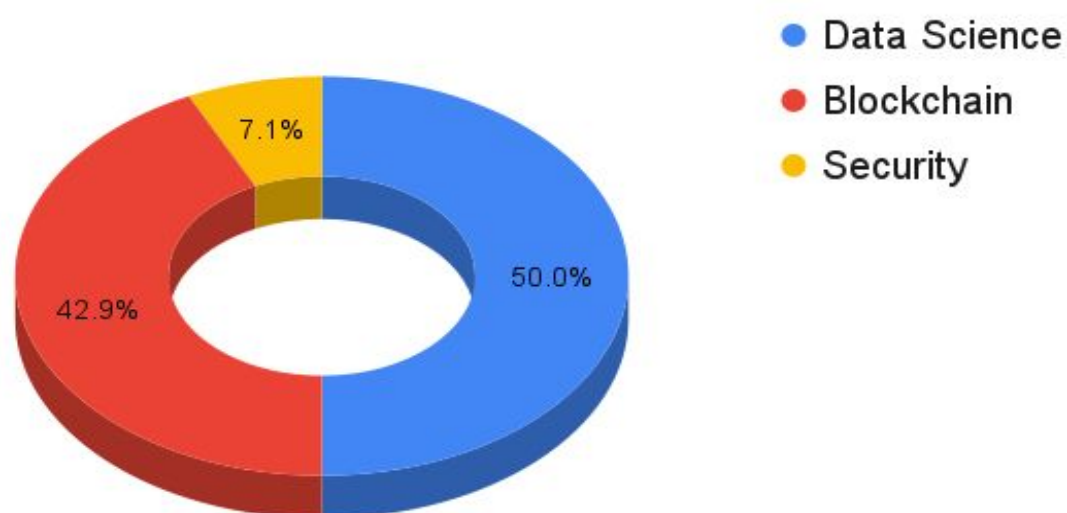
56% have prior work experience

30% are (post)graduates from top tier institutes like IITs, IISc, IEST, Jadavpur University.

Background



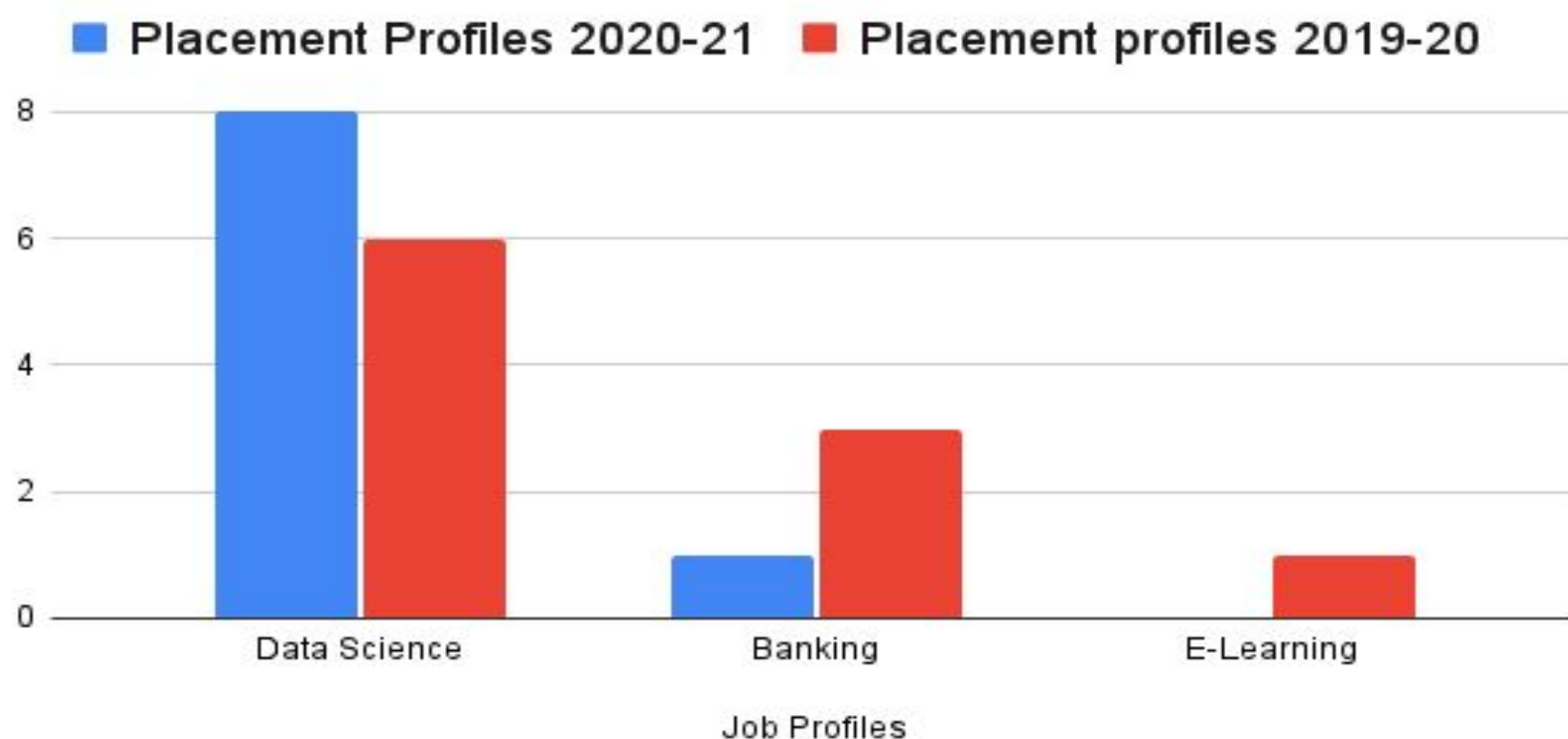
Internship / Project Domains



Area of Expertise

- Machine Learning and AI
- Statistical Inference
- Design & Analysis of Algorithms
- Econometrics
- Financial Modelling
- Multivariate Analysis
- Blockchain and Cryptocurrencies

Previous Years' Placement Profiles



M.Tech QROR

22
Batch Size

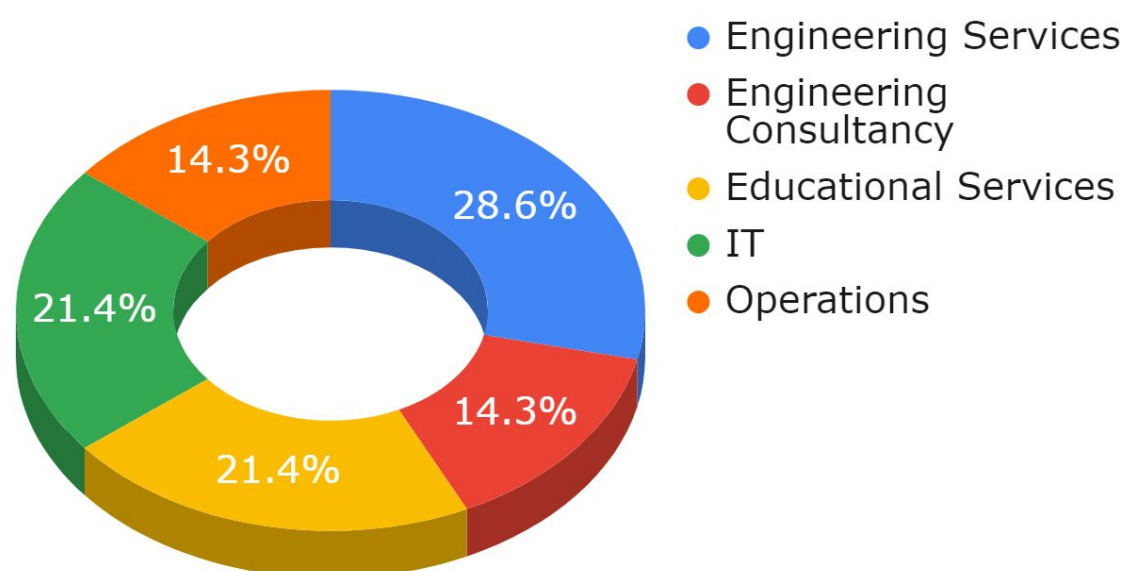
14+
Avg Work Exp
(in months)

64% have prior work experience

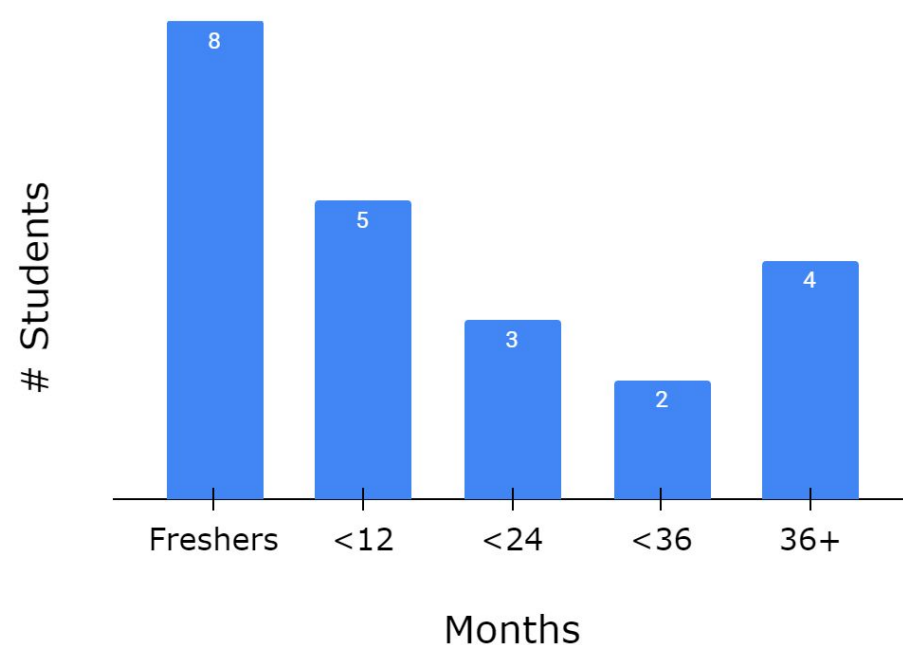
Areas of Expertise

- Machine Learning and AI
- Applied Statistics and Data Science
- Business and Market Analytics
- Applied Multivariate Analysis
- Statistical Inference
- Operations Research
- Non-Linear Optimisation
- Time Series Analysis
- Statistical Quality Control
- Survival Analysis

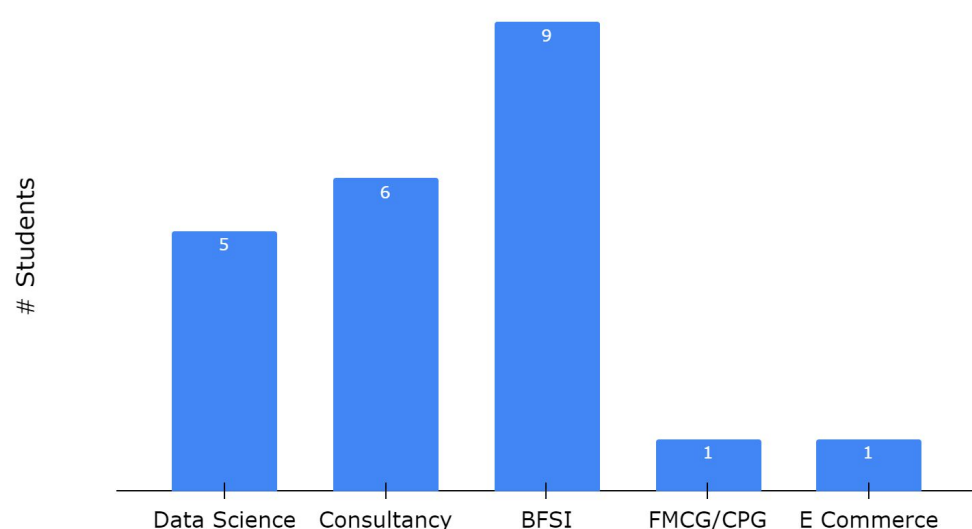
Work Exp. Domains



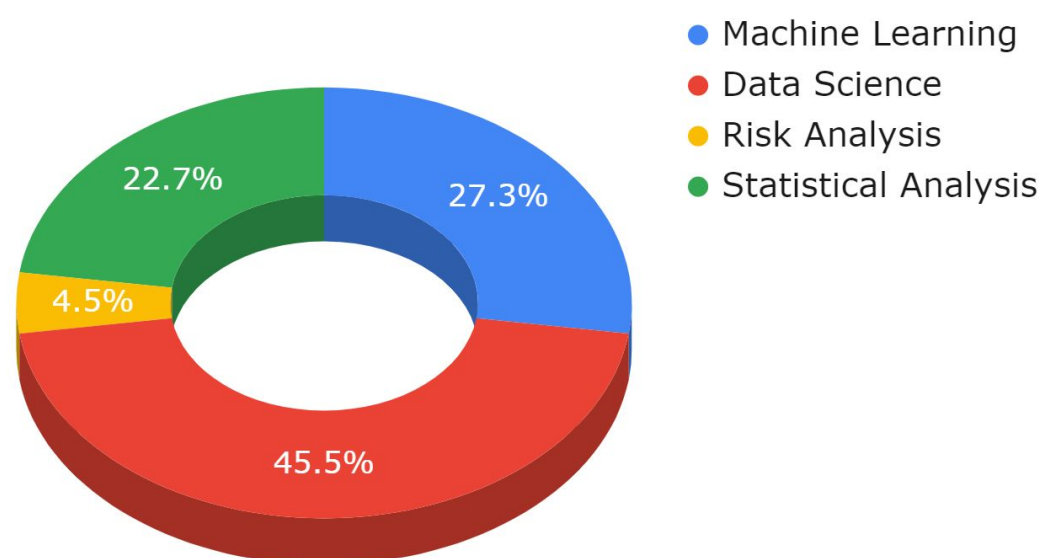
Work Exp.



Placement Info (Batch '21)



Internship/Project Domains

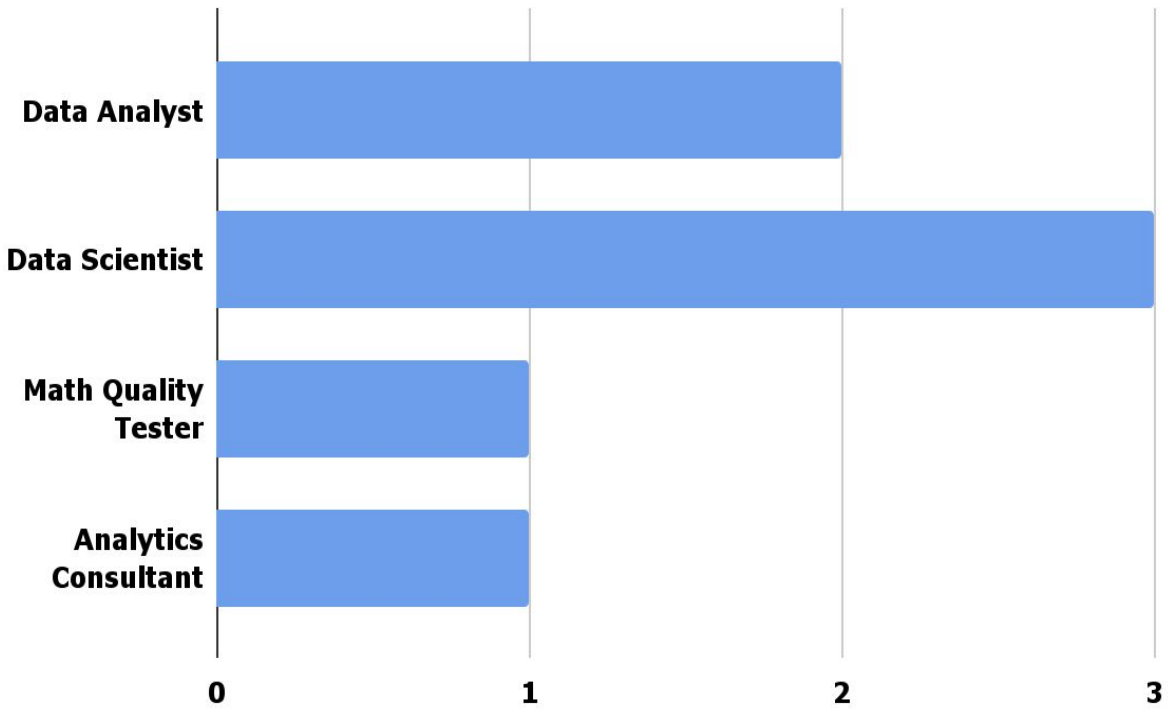


M.Math

7
Batch Size

Background:
From B.Math : 6
From IIT : 1

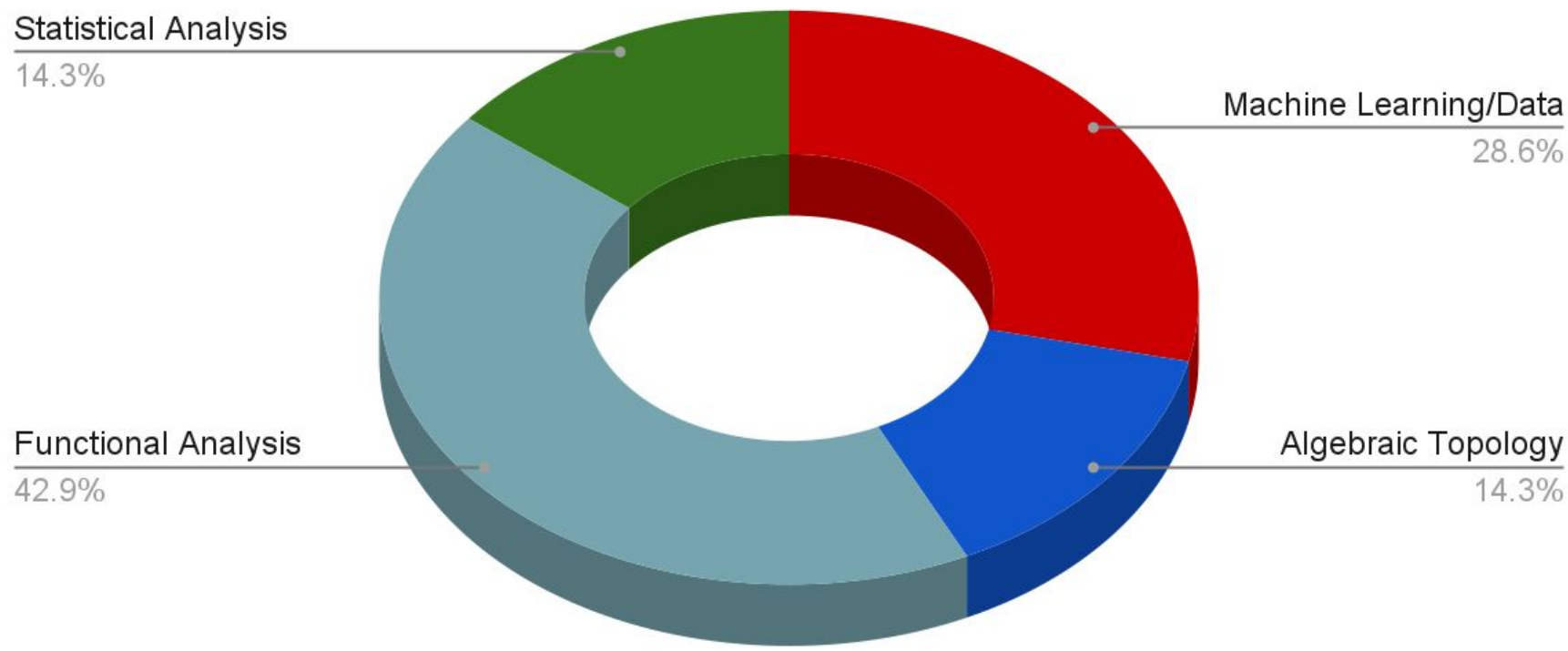
Placement domain M.Math' 21



Area of Expertise

- Machine Learning, Deep Learning
- Probability theory and Markov chains
- Stochastic processes
- Statistical Learning theory, Regression, Hypothesis testing, ANOVA
- Data Mining, Visualization & Optimization
- Design of Experiments
- Graph Theory, Linear Algebra, Combinatorics analysis, Differential Equations
- Multivariate & High Dimensional
- Sample Surveys
- Resampling Techniques
- Design & Analysis of Algorithms
- Programming, Numerical methods, Data Structures and Algorithms (Done in BMath)

Project domain

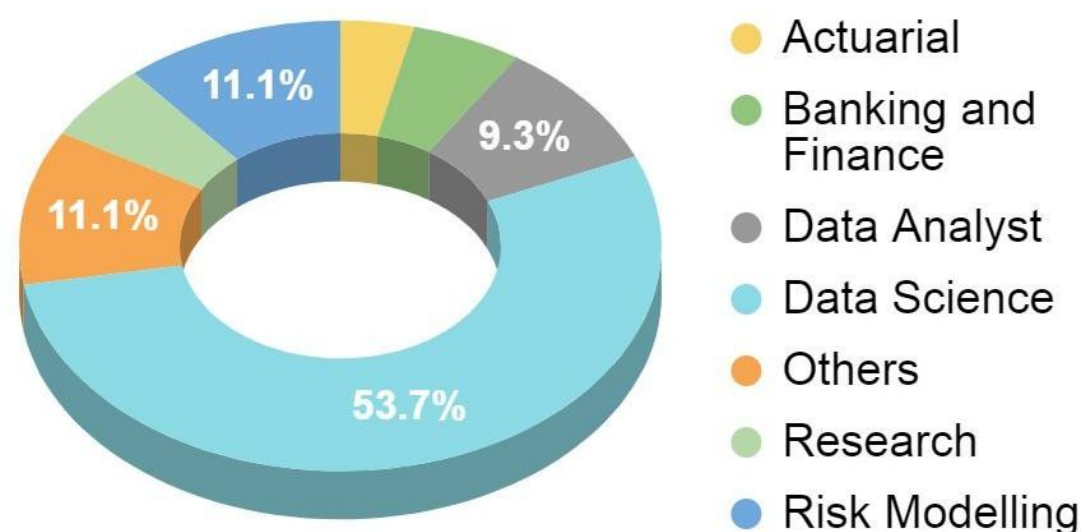


Placement Policies

- The companies are required to mail us the filled up Campus Recruitment Form (CRF) at [plccom \[at\] isical.ac.in](mailto:plccom@isical.ac.in) (Form is available at our website www.isical.ac.in/~placement/).
- Due to COVID-19, we'll be conducting the entire placement process virtually, online video calls will primarily be used to connect with students for pre-placement talks and interviews.
- The job role(s) and exact salary details must be mentioned. If any range is mentioned, we will consider the lower limit as the salary committed by the company.
- The companies will be called for placements in different slots. We allocate the slots based on the salary and interest of the students.
- Each placement slot will span over a few days in a week and in any given slot there may be multiple companies interviewing the available pool of students.
- Student shortlisted by the company will be allowed to proceed with the interview process only if (s)he belongs to the available pool.
- The company must declare the offer(s) before the end of the slot.
- The salary should also be re-confirmed at the time of making the offer to any student and it should not be less than the salary committed before.
- If a student gets one or more jobs in a slot, (s)he will have to choose one and (s)he will not be allowed to appear for any interviews in the subsequent slots.
- In case of any special conditions, like fixed time bond, these must be specifically mentioned in the Campus Recruitment Form.
- Student, who has received and accepted any offer through the placement committee, will be allowed to appear only for companies offering at least additional 4 lakhs to the highest paid offer or 1.3 times the highest paid offer, where the highest paid offer is considered to be the one with maximum fixed pay and guaranteed allowances.

Internship Statistics 2020-21

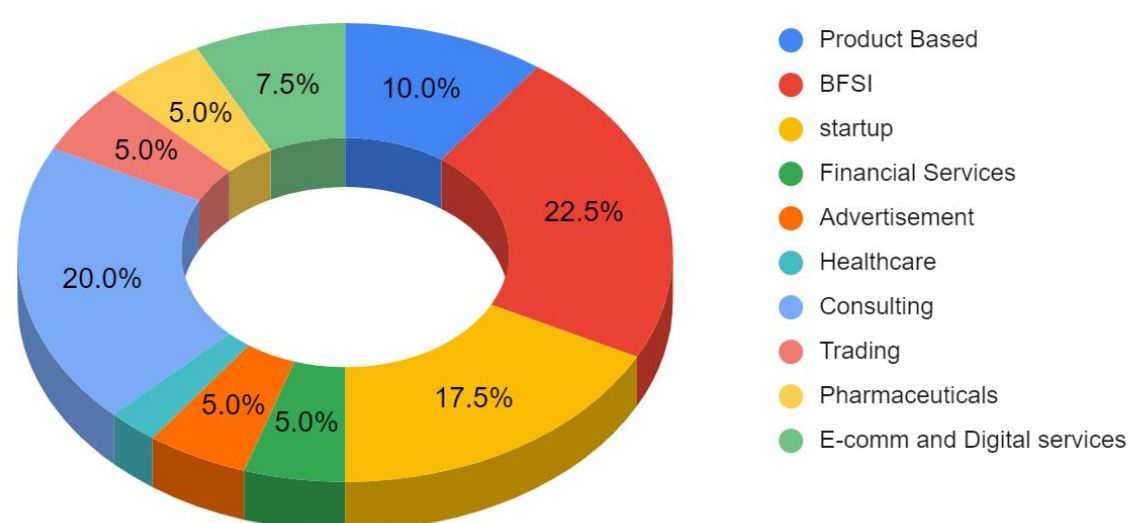
Internship Domains



Stipend	INR (Monthly)
Highest	1.65 lacs
Average	82K
Median	1 lacs

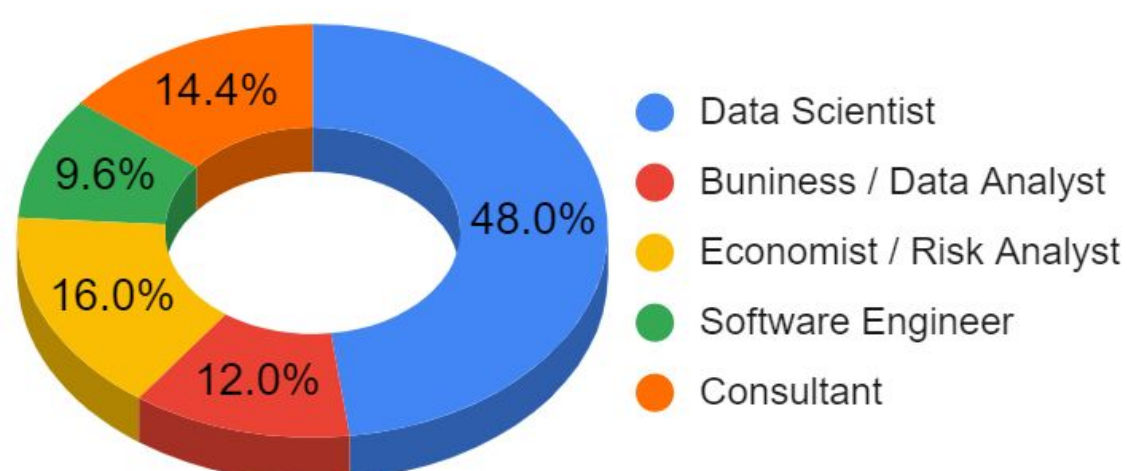
Placement Statistics 2020-21

Industry Domain Split



CTC	INR
Highest	56 LPA
Average	19.5 LPA
Median	18.6 LPA

Job Roles Split



Past Recruiters



Placement Committee

Heads

Dr. Debasis Sengupta
Dean of Studies
(033) 2575 2424

Dr. Diganta Mukherjee
Placement Convenor
(033) 2575 2019

Dr. Ashis Chakraborty
Placement Chairman
(033) 2575 3361

Faculty Representatives

Dr. Prasun Das
SQC and OR

Dr. Sushmita Ruj
CSRU

Dr. Debapriyo Majumdar
CVPRU

Dr. Sourav Chakraborty
ACMU

Dr. Arijit Ghosh
ACMU

Dr. Anisur Rahaman Molla
CSRU

Student Representatives

Ranojoy Dutta	MSTAT	duttaranojoy241@gmail.com	7980383615
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Archik Guha	MSTAT	archikguha@gmail.com	9748116289
Sudhanshu Gupta	MSTAT	gsudhanshu15@gmail.com	8869000820
Rajat Jain	MSQE	jainrajat455@gmail.com	8584900868
Anwasha Dash	MSQE	anweshadash17@gmail.com	9971227499
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Arkadeep Baksi	MTech CS	arkadeepbaksi@gmail.com	8910945615
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Ujjal Das	MTech CrS	ujjaldas9.isi@gmail.com	9007442525

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