

2023



PLACEMENT BROCHURE

cm***i*** | CHENNAI
MATHEMATICAL
INSTITUTE

Master of Science in
**Data Science,
Computer Science**

| Class of 2022-'24

Chennai Mathematical Institute is one of India's leading institutions with research specializations in the areas of Mathematical Sciences. CMI boasts a unique teaching philosophy that combines both rigor and freedom and has seen this institution carve a niche for itself in the areas of Mathematics, Physics, Theoretical Computer Science, and Data Science.

Past graduates from CMI have gone on to join leading institutions in the world in both academia and industry. In recent years CMI has gone on to start a Post graduate program in Data Science which blends both rigorous theories with industry experience to create a comprehensive program that aims to train students to tackle problems in various market and industrial domains.

WHY RECRUIT US

Our goal is to nurture future technology leaders who will drive business forward

Diverse and collaborative culture

In-depth theoretical and applied coursework



CMJ started its Masters program in *Data Science* in 2018. This program involves in-depth theoretical coursework while also equally emphasizing practical and hands-on experience. The coursework involves,

- Comprehensive topics in *Mathematics* to build a strong foundation for Machine Learning, Reinforcement Learning, and other courses.
- *Statistics* courses to provide students with the tools necessary to solve problems.
- *Computer Science* courses to create a strong programming base.

The course design includes a **mandatory summer internship** for all students after the first year which helps the students in gaining practical hands-on experience.

COURSE DESIGN

Mathematics

- ✕ Analysis
- ✕ Linear Algebra
- ✕ Graph Theory*
- ✕ Optimization techniques*

Statistics

- ✕ Probability Theory
- ✕ Statistical Modelling
- ✕ Estimation & Hypothesis Testing
- ✕ Bayesian Data Analysis*
- ✕ Time Series Analysis*
- ✕ Predictive Analysis*

CS & ML

- ✕ Data Visualization
- ✕ Algorithms & Data Structures
- ✕ Machine Learning & Deep Learning
- ✕ Big Data & Distributed Computing
- ✕ Natural Language Processing*
- ✕ Computer Vision*
- ✕ Reinforcement Learning*

Phase 1: Initial Contact

(July-August '23)



Phase 2: Tests

(September '23)



Phase 3: Interviews

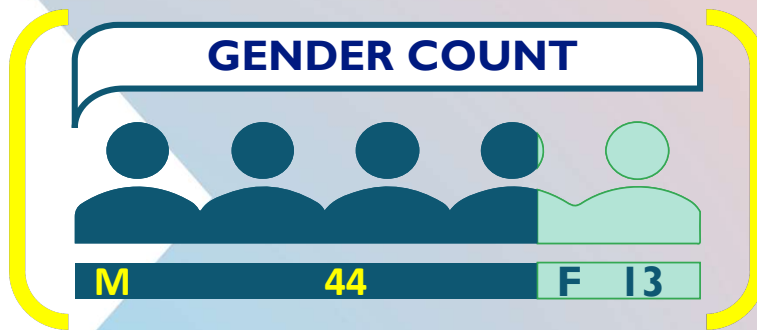
(October '23)

Data Tools

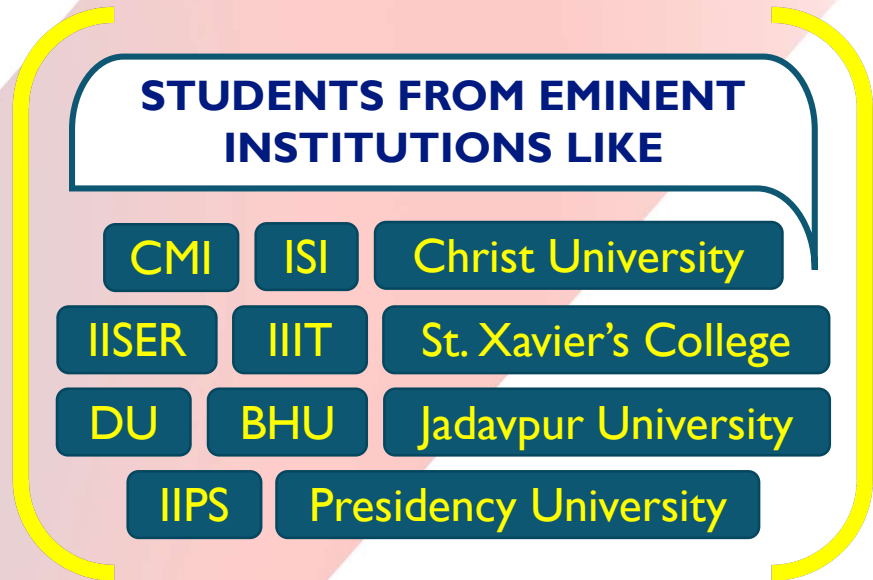
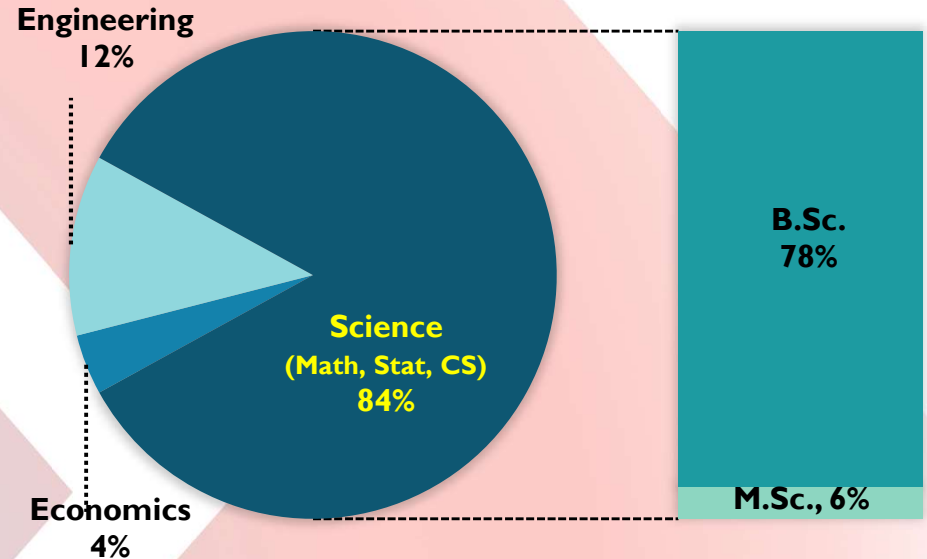


* These courses will be held 3rd semester onwards

BATCH PROFILE



EDUCATIONAL BACKGROUND



INTERNSHIP PROFILE '23

Recruiters



Accenture

IFP

Metamation

StrandLS

American Express

JP Morgan Chase

Michelin

Synergy

BNY Mellon

LTIMindtree

MirrAR

Tata Communications

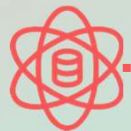
Coriolis Technologies

Lyric

Shree Cement

And many more

Roles Offered



Data Scientist



AI & ML Engineer

Model Risk
Governance

Risk Analyst



Financial Analyst



Gained Experience on



ML Model Engineering

Applications of LLM

Generative AI Tools

Computer Vision

Risk Assessment

Big Data



PLACEMENT PROFILE

Recruiters



Accenture

JP Morgan Chase

Lynk

PayPal

American Express

Kantar Analytics

Michelin

Standard Chartered

Bank of America

LTIMindtree

Micron

Wells Fargo

IDFC First bank

Legato

Netradyne

And many more

CTC Statistics

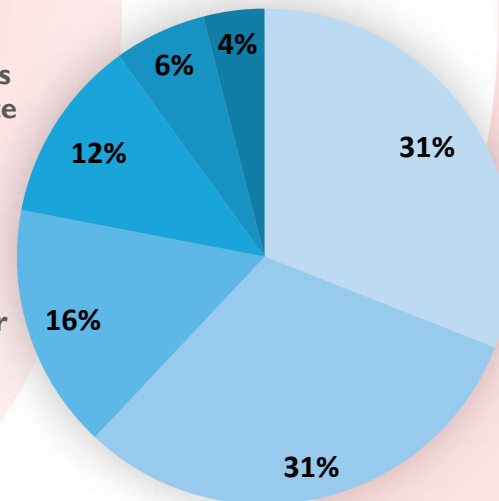


Year	Mean (lacs)	Median (lacs)
2022 - '23	20.8	20.7
2021 - '22	17.6	16.0
2020 - '21	13.0	13.5
2019 - '20	14.0	13.4

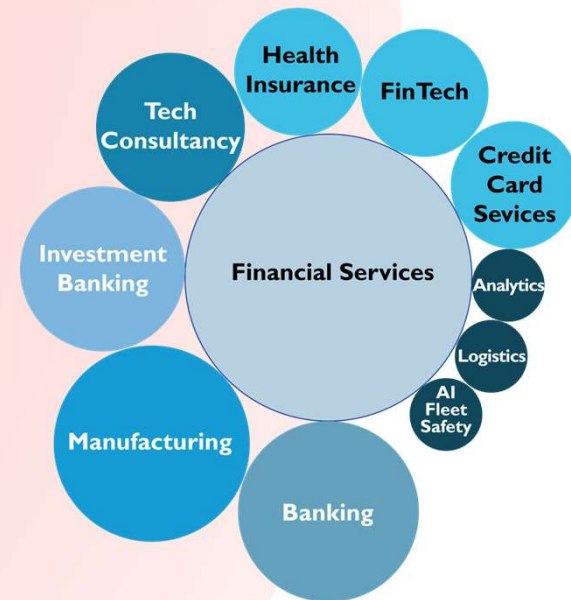
Roles Offered



- Data Science
- Analytics Associate
- Analyst
- ML Engineer
- Risk Analyst
- Data Engineer



Company Profiles





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