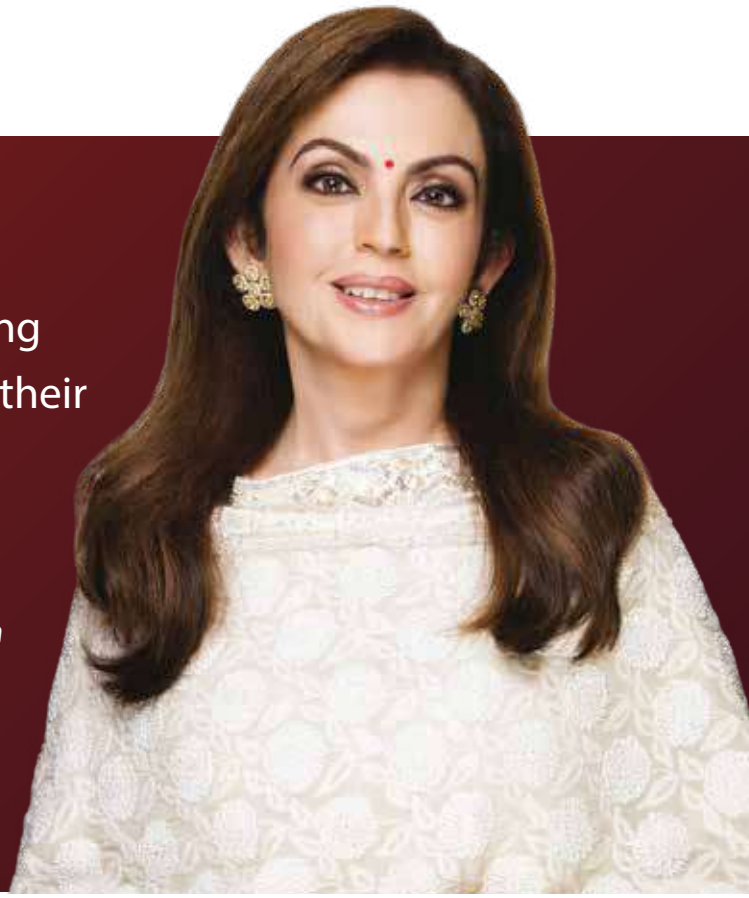
PGP in Artificial Intelligence & Data Science

One Year, Full-Time, Residential

Jio Institute
LEARNING FOR LIFE

"Education is all about igniting young minds and enabling them to attain their fullest potential."

Smt. Nita Ambani
Founder Chairperson, Reliance Foundation Institution of Education and Research



About Jio Institute

Jio Institute is a multidisciplinary higher education institute set up as a philanthropic initiative by the Reliance Group. The Institute is dedicated to the pursuit of excellence by bringing together global scholars and thought leaders to transform the educational landscape in the country and providing an enriching student experience through world-class education. Our founders **Smt. Nita Ambani** and **Shri Mukesh Ambani** firmly believe in the power of youth to transform India. It is this belief that was instrumental in setting up Jio Institute. The Institute's 52-acre residential campus in Ulwe, Navi Mumbai boasts of cutting-edge infrastructure designed to provide an enriching academic experience and a vibrant campus life.

Our Vision

- Be an exemplary Indian academic institution of international repute
- Build a vibrant ecosystem for research, innovation, and entrepreneurship
- Be India's test bed for frontier research and invention of future technologies
- Prepare the next generation of leaders and entrepreneurs through holistic development
- Significantly contribute to the advancement of society
- Solve India's problems and solve them fast
- Provide a lifelong learning experience

Jio Institute Advantage



Futuristic, industry-aligned curriculum

AI-integrated learning

Distinguished global and industry faculty

Study abroad module at globally renowned institutes

Internships & live projects

Project-based learning

Career readiness and placement assistance

Advanced laboratories

State-of-the-art campus

International standard sports facilities

About Programme

Prepare to shape the future with a programme designed to meet the evolving demands of Artificial Intelligence and Data Science. Combining a rigorous, future-ready curriculum with hands-on learning, the programme explores transformative technologies, including Generative AI, Agentic AI, Large Language Models (LLMs), Machine Learning, Deep Learning, Natural Language Processing (NLP), MLOps, Big Data Engineering, and Responsible AI. Through applied projects, live industry engagements, capstone projects, and internships, students develop the expertise to design, build, and deploy intelligent AI solutions to address real-world challenges. Learning from globally experienced faculty and industry practitioners, students gain both technical depth and practical industry exposure. With a strong emphasis on innovation, problem-solving, and deployment-ready skills, the programme prepares graduates to pursue impactful careers across the rapidly expanding AI and Data Science ecosystem.

Why Join Jio Institute's Artificial Intelligence & Data Science Programme

Bridge Business & AI: Translate business challenges into high-value AI and Data Science solutions using technical expertise and leadership.

Master Core LLMs: Deep dive into Transformer architectures, attention mechanisms, pre-training, fine-tuning, and enterprise

Build GenAI Applications: Create advanced, context-aware Generative AI applications using RAG, LLM orchestration, and multimodal architectures.

Execute Machine Learning: Design and deploy robust supervised, unsupervised, reinforcement, deep learning, and time-series models built on strong mathematical foundations.

Deploy Agentic Systems: Design intelligent Agentic AI systems capable of reasoning, planning, tool usage, and multi-agent collaboration.

Leverage Industry Tools & Practice: Utilize modern AI frameworks, vector databases, MLOps, and Tableau to build scalable, responsible solutions through hands-on projects and capstones.

The academic courses at Jio Institute build a strong foundation, equipping us with market-relevant skills like Gen AI. The campus offers excellent facilities for both academic and extracurricular activities, with state-of-the-art labs to enhance practical learning. We also benefit from career-readiness training sessions that boost both technical expertise and communication confidence.

Rishabh Gaur
PGP in Artificial Intelligence & Data Science, Class of 2025
GEP Worldwide



Curriculum

Foundation Courses

- Probability & Statistics
- Linear Algebra
- Data Structures & Algorithms
- Databases & Data Warehousing

Workshops

- Python Programming
- Data Visualization & Dashboard Design
- Cloud Computing
- Introduction to AI Agents
- Building AI first Enterprises

Experiential Component

- Industry Internship
- AI for X
- Capstone Project
- 2-Week International Study-Abroad Module

Core

- Big Data Engineering
- Machine Learning I & II
- Optimization
- Deep Learning
- Natural Language Processing
- Computer Vision
- MLOps
- Large Language Models (LLMs)
- Generative AI
- Time Series Analysis
- Digital Transformation using AI

Emerging Technologies

- Agentic AI & MCP
- Reinforcement Learning
- Foundations of Quantum Computing for AI/ML

Potential Job Roles



Data Scientist



Consultant



AI/ML Engineer



GenAI Engineer



LLM Engineer



MLOps Engineer



Applied AI Engineer

Faculty

Dr. Shailesh Kumar
Dean Jio Institute;
*Course : **Digital Transformation 2.0**,*
Machine Learning 1 & 2

Dr. Larry Birnbaum
Professor of Computer Science, Northwestern University, USA
*Course : **Natural Language Processing***

Dr. Arindam Banerjee
Founder Professor, Department of Computer Science, University of Illinois Urbana-Champaign, USA
*Course : **Reinforcement Learning***

Dr. Vidya Setlur
Senior Director of Research, Tableau, USA
*Course : **Data Visualisation***

Dr. Vishnuprasad Nagadevara
Former Professor and Dean, Indian Institute of Management Bangalore, India
*Course : **Probability & Statistics**, **Time Series Analysis***

Dr. Gaurav Aggarwal
VP & Chief AI Scientist, Jio Platforms
*Course : **Deep Learning***

Dr. Ashish Tendulkar
AI/ML Leader, Google, India
*Course : **Recommendation Engines***

Dr. Mohna Chakraborty
Assistant Professor, Jio Institute
*Course : **Large Language Models**,*
Databases and Data Warehouses

Dr. Vishal Lala
Professor of Marketing, Pace University, USA
*Course : **Data Visualisation & Marketing Analytics***

Dr. Sudipta Roy
Associate Professor, Artificial Intelligence & Data Science, Jio Institute
*Course : **Data Structures & Algorithms**,*
Computer Vision, *Deep Learning*

Mr. Manaranjan Pradhan
Founder & Director, AwesomeStats Consulting Pvt Ltd, India
*Course : **Big Data Engineering** &*
Next-Gen Bigdata Systems

Mr. Sray Agarwal,
Head of Responsible AI, Infosys, London
*Course : **Responsible AI***

Mr. Anuj Vora
Assistant Professor, Computer Science & Engineering, Jio Institute
*Course : **Optimization**, Mathematical Foundations - 1*

Mr. Anant Agarwal
Principal Applied Scientist, Gen AI, True Foundary India
Course : The New AI Stack: Generative Models, *Agentic Systems*, *Model-Centric Workflows*

Dr. Samik Mukherjee
Assistant Professor, Artificial Intelligence & Data Science, Jio Institute
*Course : **Linear Algebra**, **Quantum Computing***

Dr. Varun Aggarwala
Assistant Professor and Principal Investigator, Microbiome Therapeutics Laboratory, Jio Institute
*Course : **Advanced Statistics***

Study Abroad Module

Experiential learning is a cornerstone of Jio Institute's academic approach. Through a combination of project-based learning (capstone and live projects), global exposure, industry engagement, and internships, students develop critical thinking, problem-solving, and professional skills, while also inculcating a global and industry-ready mindset. By embedding experiential components across the curriculum, Jio Institute ensures that students are industry-ready.



Studm Abroad Module

The Study Abroad Module ensures that every student can study at one of the partner universities. The module integrates academic learning, industry immersion, and cultural enrichment into a comprehensive experience. This experience offers tangible advantages like enhanced cross-cultural communication, and a broadened perspective, which are highly valued in both personal and professional spheres.
The Class of 2026 visited the **Nanyang Technological University (NTU), Singapore** for their international immersion:

- **Academic Modules:** Completed courses in **Strategies for Digital Transformation and AI and Business Applications**
- **Industry Engagement:** Visited **Atos Singapore , Hyundai Motor Group Innovation Center Singapore (HMGICS)** and **Standard Chartered Bank**
- **Cultural Immersion:** Visited **Gardens by the Bay, Supertree Grove, Cloud Forest exhibits, Marina Bay Sands** and **Sentosa Island**

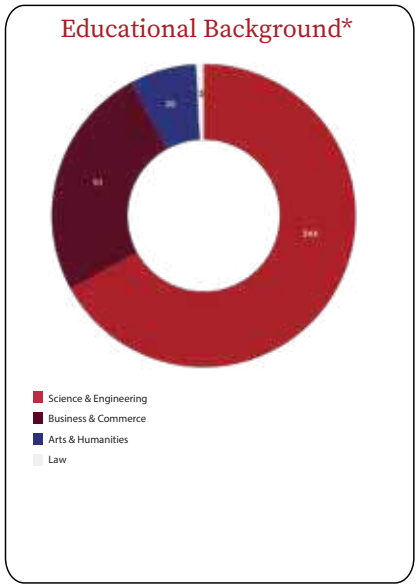
MANCHESTER 1824 The University of Manchester
NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE
UC San Diego HALICIOĞLU DATA SCIENCE INSTITUTE
UNIVERSITY OF TORONTO

Class Profile 2023-2026

70% 30%

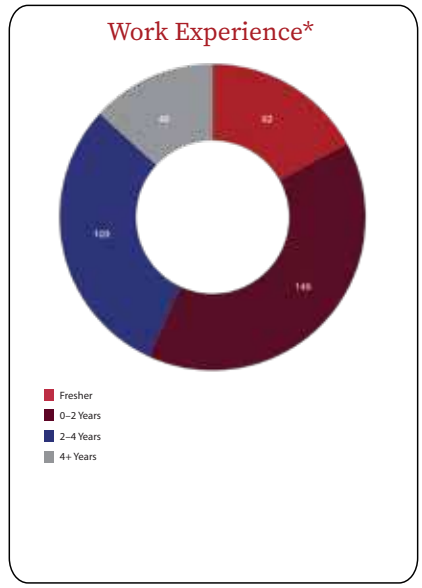
Average Age 24.9

Educational Background*



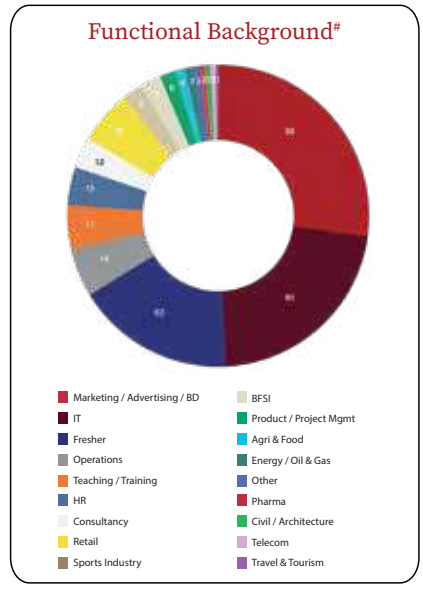
*All students

Work Experience*



*All students

Functional Background#



#Students with work experience

Our Recruiting Companies

PURE BILLION TECHNOLOGIES · AoToM NURTURING AI · SUZLON · GEP · Justdial · kotak Education Foundation

ArisGlobal · OneTapp · Reliance Industries Limited · Motilal Oswal · Reliance Retail · Pratham International

NETWORK SCIENCE · AiSPRY Stay SPRY. Stay Smart. · 72 STREET · EY Building a better working world · HDFC BANK We understand your world · Aditya Birla Hindalco

The World Bank · StatusNeo · pwc · Network 18 · kotak Asset Management · Karkinos

R Systems · Jio bp · atomberg

Scan the QR code to Download Placement Report

Eligibility Criteria

- A four-year undergraduate degree or its equivalent, in the field of Engineering/Science/ Mathematics and Statistics with minimum 50 per cent or equivalent CGPA. A postgraduate degree (if the undergraduate degree is of three years) in the field of Engineering/Science/Mathematics and Statistics with minimum 50 per cent or equivalent CGPA.
- A strong foundation in Mathematics, Statistics and Computer Science along with programming experience.
- A valid GRE/GMAT/GATE/CAT score or appear for Jio Institute Entrance Test (JET)
- Preference shall be given to candidates with relevant experience.

Scholarship

Jio Institute believes that all deserving candidates should have an opportunity to fulfil their higher education aspirations irrespective of financial constraints. As part of Jio Institute's commitment to access and diversity, the Institute offers scholarships based on merit and need, supporting students from various disciplines and backgrounds. These scholarships are extended to exceptional and deserving students from a wide range of disciplines and backgrounds.



Admission Process

1

Online Application

Candidates must complete the online application form and submit the required academic and professional details, along with supporting documents.

2

Entrance Test

Applicants are required to submit a valid CAT, GMAT, or GRE score or appear for the Jio Institute Entrance Test (JET).

3

Application Review & Shortlisting

Applications are evaluated on academics, entrance scores, experience, achievements, and profile, with shortlisted candidates advancing to the next round.

4

Personal Interview

Shortlisted candidates complete a personal interview evaluating their communication, analytical skills, goals, motivation, and fit for the programme.

5

Final Selection & Admission Offer

Final selection is based on a comprehensive evaluation of the candidate's academic credentials, professional experience, entrance test performance, and personal interview. Selected candidates receive an admission offer from Jio Institute.

Jio Institute

1800-889-1100

admissions@jioinstitute.edu.in

Get to Know us Better

2027-28