

PGP in Artificial Intelligence and Data Science

One-year, Full-time Residential Programme

Course at a glance



Be at the forefront of the evolving AI & DS landscape

This programme provides a strong academic foundation in AI and Data Science, covering Generative AI, Agentic AI systems, ML, and Responsible AI. You will learn to build independent, collaborative, and ethical AI agents through hands-on projects, capstone work, and industry-led sessions, preparing you to drive innovation with autonomous solutions.

Who is it for?

- Current or aspiring Data, Software, and IT professionals
- Technology professionals and consultants
- Entrepreneurs aiming to innovate in AI
- Researchers and academicians interested in applied AI
- Developers and engineers transitioning into AI and data science roles

Learn More



The new age Curriculum

This postgraduate programme has a comprehensive and rigorous curriculum that covers foundation to advanced courses that trains future-ready full-stack data scientists and AI architects.

Foundation Courses

- Python Programming
- Data Structures & Algorithms
- Linear Algebra
- Probability & Statistics
- Databases and Data Warehouses
- Introduction to Artificial Intelligence
- Optimisation

Data Science & Analytics

- Data Visualisation
- Time Series Analysis
- Big Data Engineering
- Next-Gen Big Data Systems: Lake-Houses to Data Mesh
- Graph Theory and Network Representation

Machine Learning & AI

- Machine Learning (Supervised & Unsupervised)
- Deep Learning
- Natural Language Processing
- Classical Approaches to Modern AI in Computer Vision
- Reinforcement Learning

Applied & Ethical AI

- AI for X (Industry Case Studies)
- Responsible AI

Emerging Technologies

- Generative AI
- Large Language Models
- Digital Transformation 2.0 (From Data-Rich to AI-First Ecosystems)
- MLOps & System Design
- Agentic Systems, and Model-Centric Workflows



Experiential Learning

The Institute lays a strong emphasis on providing a well-rounded higher education, rooted in practical exposure through:

Project-based Learning: Capstones, live projects and hackathons/case competitions for practical applications of academic concepts

Study Abroad Module: A two-week international immersion with academic, industrial and cultural exposure at a partner foreign university

Industry Interactions: Talk series, case studies, guest sessions and conclaves by industry leaders, SMEs and entrepreneurs

Internships: 2-month job training that provides hands-on experience, develops industry-specific skills, and enhances understanding of workplace dynamics

Our Faculty

Our faculty includes a diverse mix of distinguished academicians from top international and Indian universities, along with experienced industry practitioners, providing students with both theoretical knowledge and practical insights. Some of our faculty members include:

Dr. Shailesh Kumar

Dean, Jio Institute
Chief Data Scientist,
Jio Platforms, India

Dr. Arindam Banerjee

Founder Professor, Department of
Computer Science, University of
Illinois Urbana-Champaign, USA

Dr. Vishnuprasad Nagadevara

Former Professor and Dean,
Indian Institute of Management
Bangalore, India

Dr. Larry Birnbaum

Professor of Computer Science,
Northwestern University, USA

Mr. Manaranjan Pradhan

Founder & Director, AwesomeStats
Consulting Pvt Ltd, India

Dr. Mohna Chakraborty

Assistant Professor,
Jio Institute, India

Dr. Vishal Lala

Professor of Marketing,
Pace University, USA

Dr. Vidya Setlur

Senior Director of Research,
Tableau, USA

Mr. MV Yugandhar

Chief Data & AI Officer,
Brane Group, India

Dr. Sudipta Roy

Associate Professor, Artificial
Intelligence & Data Science,
Jio Institute, India

Mr. Sray Agarwal

Head of Responsible AI,
Infosys, UK

Dr. Gaurav Aggarwal

VP & Chief AI Scientist,
Jio Platforms, India

Potential Roles

Our programme prepares students for numerous roles in this dynamic field, catering to diverse interests and enabling students to find their niche



Data Scientist



Tech Consultant



AI/ML Engineer



Agentic AI



Data Engineer

Eligibility

- ✓ A four-year undergraduate degree or its equivalent, in the field of Engineering/Science/Mathematics and Statistics with minimum 50% marks 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% marks 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 work experience

Connect with us:

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Email: admissions@jioinstitute.edu.in

Campus: Jio Institute, Sector 4, Ulwe, Navi Mumbai, India

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Learn more about how to apply



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