### Jio Institute





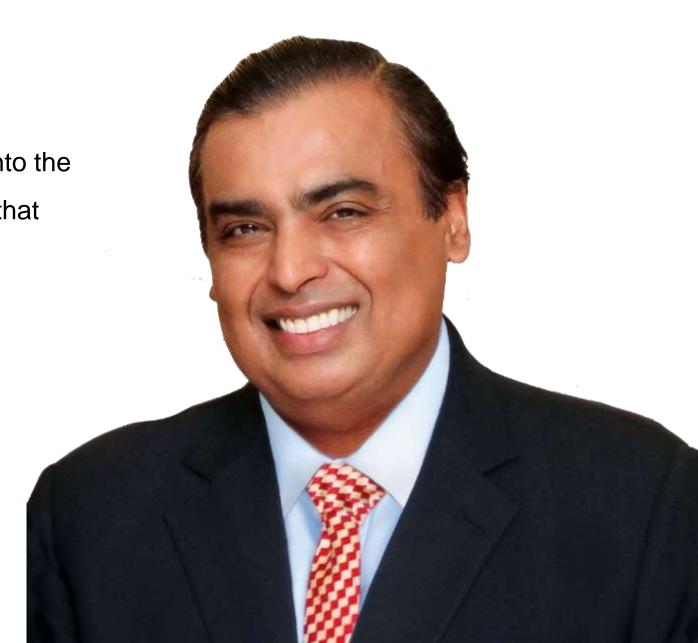


Education is not about pouring knowledge into the brains of students but lighting that spark so that they learn by themselves.

#### Sh. Mukesh Ambani

Chairman & Managing Director, Reliance Industries Limited

https://www.jioinstitute.edu.in/about/shri-mukesh-ambani





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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

https://www.jioinstitute.edu.in/about/smt-nita-ambani



#### **Vision**

### **Building A Research University In An Innovation Ecosystem**

- Be an exemplary Indian academic institution with 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 the Indian society.
- Solve India's problems and solve them fast.
- Provide a lifelong learning experience.



### **Governing Council**





Smt. Nita Ambani
Founder & Chairperson,
Reliance Foundation



Dr. R. A. Mashelkar
Chancellor - Jio Institute;
Ex-Officio Invitee
Padma Vibhushan; Former
Director General – CSIR,
Government of India



Sh. Akash Ambani Chairman, Reliance Jio Infocomm Limited



Dr. Dipak C. Jain
Vice Chancellor - Jio
Institute; Ex-Officio
Invitee; Former Dean,
Kellogg School of
Management, USA &
INSEAD, Paris



Smt. Isha Ambani Member of Executive Leadership team, Reliance Retail, Reliance Jio, Reliance Foundation



Dr. Pradeep K.
Khosla
Chancellor,
University of
California, San Diego



Sh. Anant Ambani Director, Jio Platforms Limited, Reliance Retail



Dr. Bimal Patel
President - CEPT University;
Managing Director, HCP
Design, Planning and
Management Pvt. Ltd.



Sh. Vikram Singh
Mehta
Former Executive
Chairman, Brookings
India; Former CEO,
Shell India



Sh. Jalaj Dani
Chairman of the Board
of Governors, IIM Trichy;
Co-promoter Asian
Paints



Sh. R.
Venkataramanan
Social Sector
Expert; Former
Managing Trustee,
Tata Trusts

### **Global Advisory Council**





Dr. Jean-Lou Chameau
President Emeritus – Caltech;
Former President – KAUST;
Former Provost - Georgia
Institute of Technology



Dr. Jeffrey Sachs
Director at Center for
Sustainable Development,
Columbia University



Dr. Subra Suresh
Former President - Nanyang
Technological University
(NTU); Former President,
Carnegie Mellon University



Dr. Rick Levin
President Emeritus, Yale
University; Former CEO,
Coursera

### Leadership





Dr. R. A. Mashelkar Chancellor - Jio Institute; Padma Vibhushan; Former Director General – CSIR, Government of India



Dr. Dipak C. Jain
Vice Chancellor - Jio Institute; Former
Dean, Kellogg School of
Management, USA & INSEAD, Paris



**Dr. Palak Sheth**Project Director – Jio Institute

### **Academic Advisors**





Dr. Frank Mulhern
Associate Dean for Research and
Executive Director of Academic
Programs in San Francisco, Medill
School, Northwestern University



Dr. Michael Keller
Vice Provost and Ida M. Green
University Librarian, Director of
Academic Information
Resources, Stanford University



**Dr. Larry Birnbaum**Professor, Computer
Science, Northwestern
University



**Dr. Shailesh Kumar**Chief Data Scientist in Al/ ML, Reliance Jio



Dr. Andy Gillentine
Professor of Sport and Entertainment
Management,
University of South Carolina, USA



Dr. William A. Sutton
Professor & Director Emeritus, Sport
and Entertainment Management
Program, University of South Florida



Dr. Harsh Taneja
Associate Professor,
College of Media, University of
Illinois, Urbana Champaign

### Jio Institute – 15 Years Strategic Plan





#### **Schools**

- Engineering & Computing
- Digital Media & Journalism
- Medical Sciences & Public Health
- Management & Entrepreneurship
- Arts & Sciences
- Law, Governance & Policy
- Architecture & Urban Planning



#### Faculty

- 10:1 student to faculty ratio
- 15% International faculty
- International Prizes including Nobel, Pulitzer & other honors amongst faculty



#### Campus

- 52 acres and 400 acres campus in Navi Mumbai
- 800+ acres of land grant at Karjat
- · State-of-the art residences
- Sporting culture and infrastructure
- Gardens and green spaces



#### **Enrollment**

- 10,000 Students
- 1500+ International students
- Digital / Online Programs
- Executive Programs



#### Research

- Leading Research Centers
- Sponsored Projects
- Tie ups with research and innovation institutions



#### Recognition

 Amongst top Global 500 Universities by Year 15



#### Funding

 Committed Rs. 9500 Crore for first 15 years



#### Scholarship

 Need blind admissions and scholarships

## Academic Programme Launch Plan for 15 years



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#### **Start – Up Phase (Y1-Y5)**

- Focus on launch of flagship PG, PhD and Post-doctoral programmes to establish a strong foundation of academic and research capabilities
- Launch of initial programmes is conceptualized as 'seed' towards the building of fullfledged schools in the later phases

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#### **Growth Phase (Y6-Y10)**

- Focus on further expansion of disciplines into full-fledged schools. This phase will witness introduction of newer areas of study and increasing diverse programme offerings.
- Undergraduate programmes are introduced in select disciplines
- Student intake is ramped up for previously introduced PG programmes by introducing new batches

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#### **Maturity Phase (Y11-Y15)**

- Focus on launch of remaining schools, specialized and interdisciplinary academic programmes under the established schools, expanding the student base, academic and research areas.
- Focus on enhancing the experience of student community and strengthening the global brand



### Jio Institute Dronagiri Campus: Masterplan

#### **Building Use**





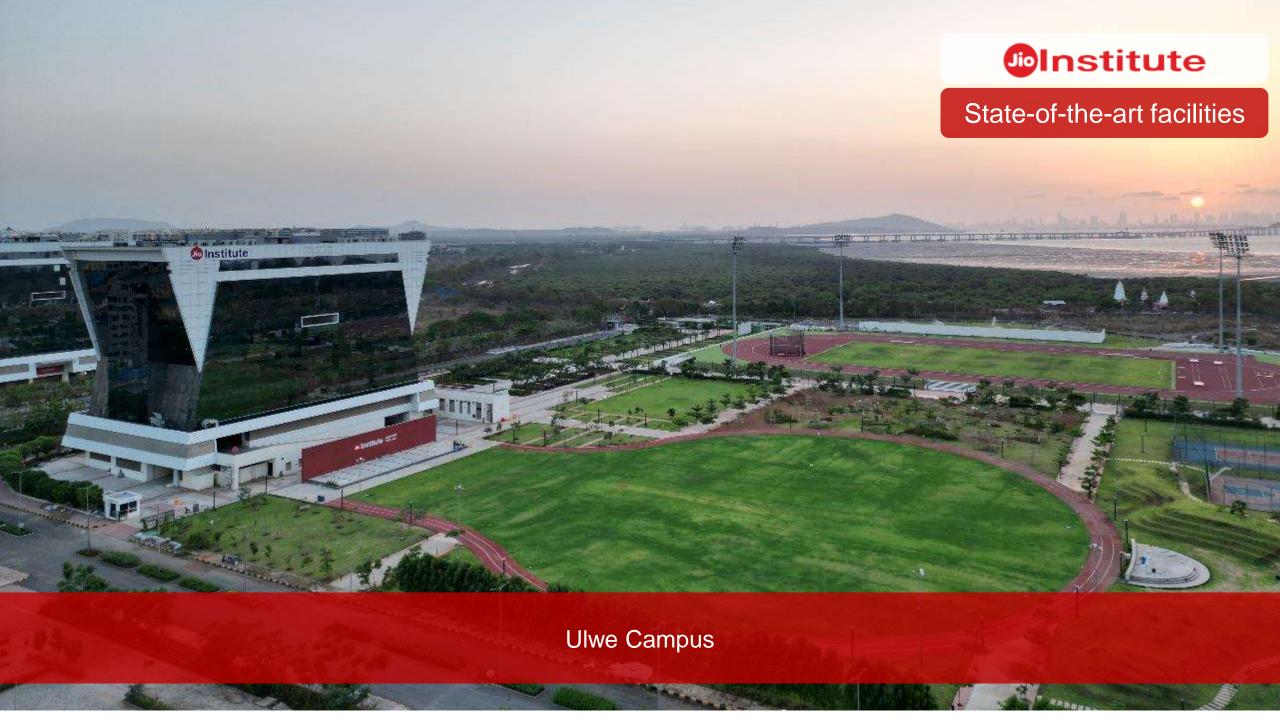
### Long term campus plan





# Jio Institute Ulwe Campus: Startup Campus



















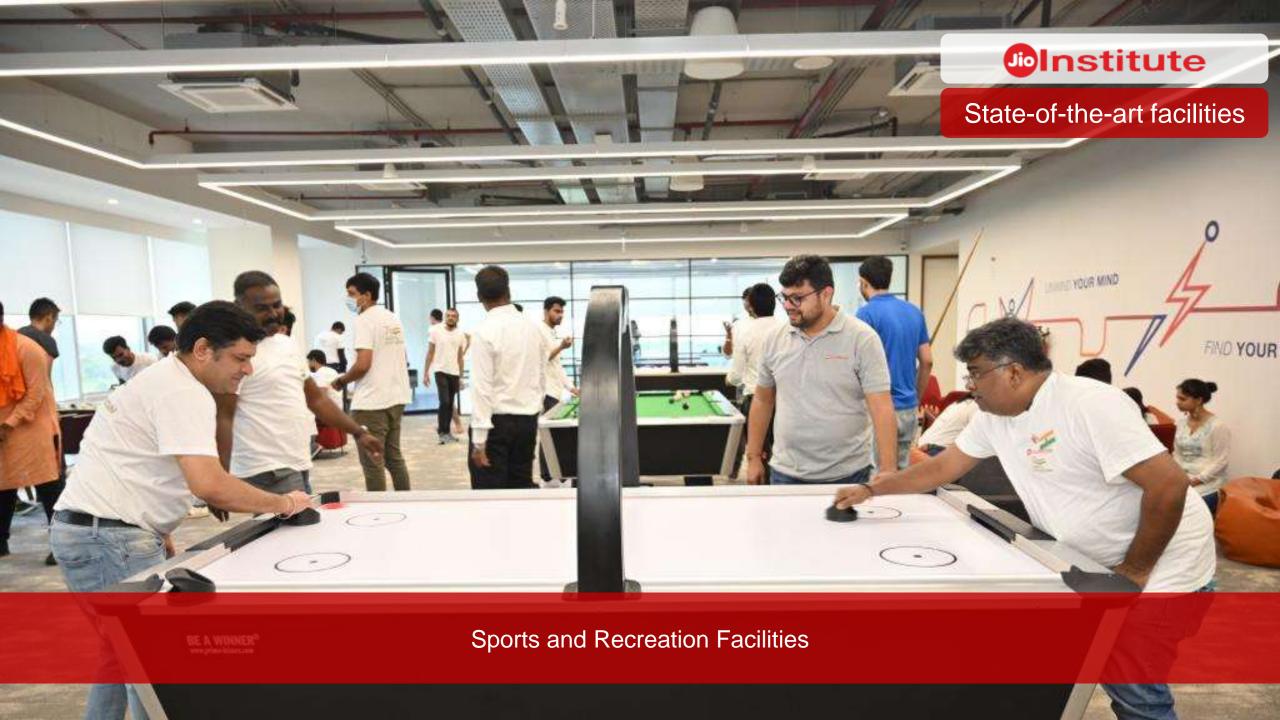






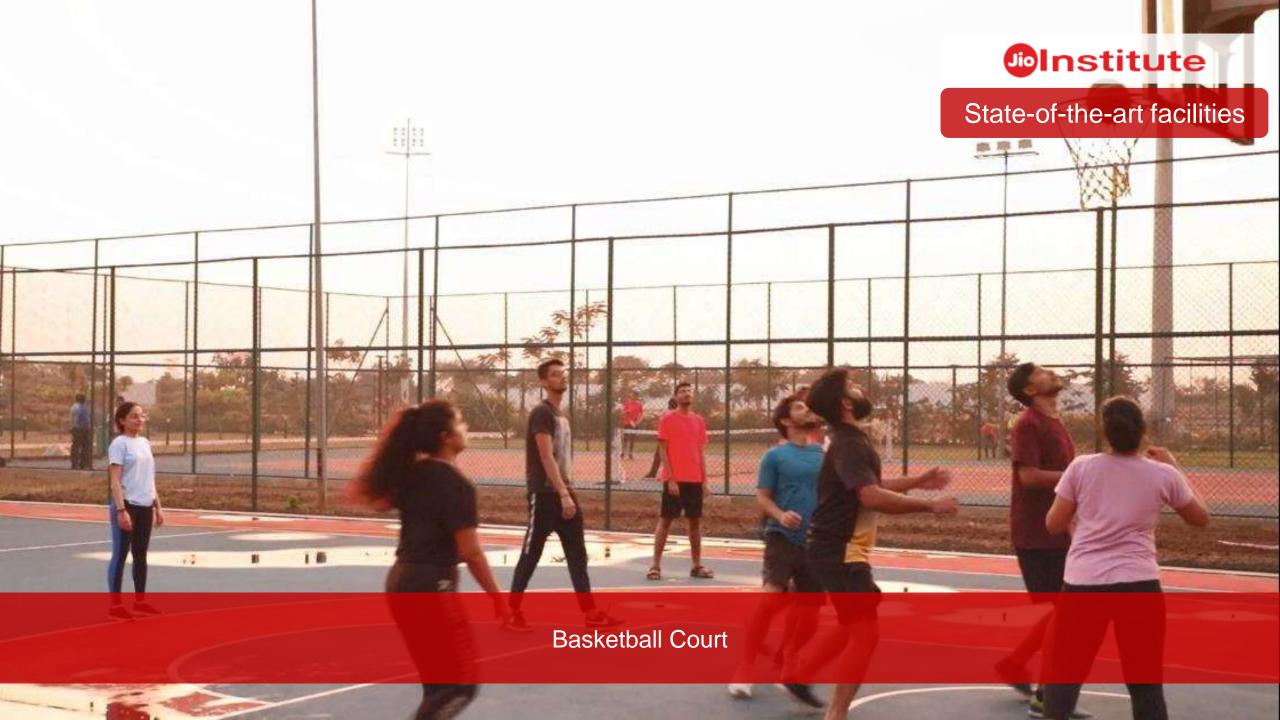
High Performance Fitness Centre

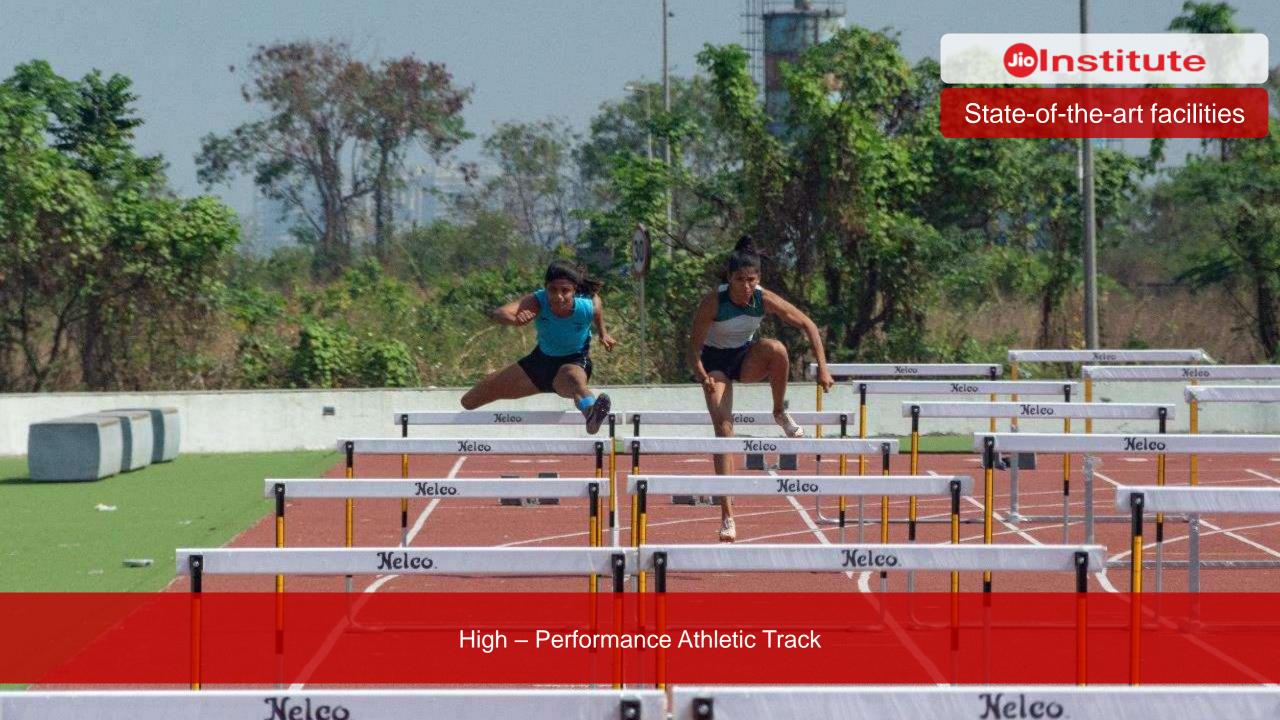






**Tennis Court** 

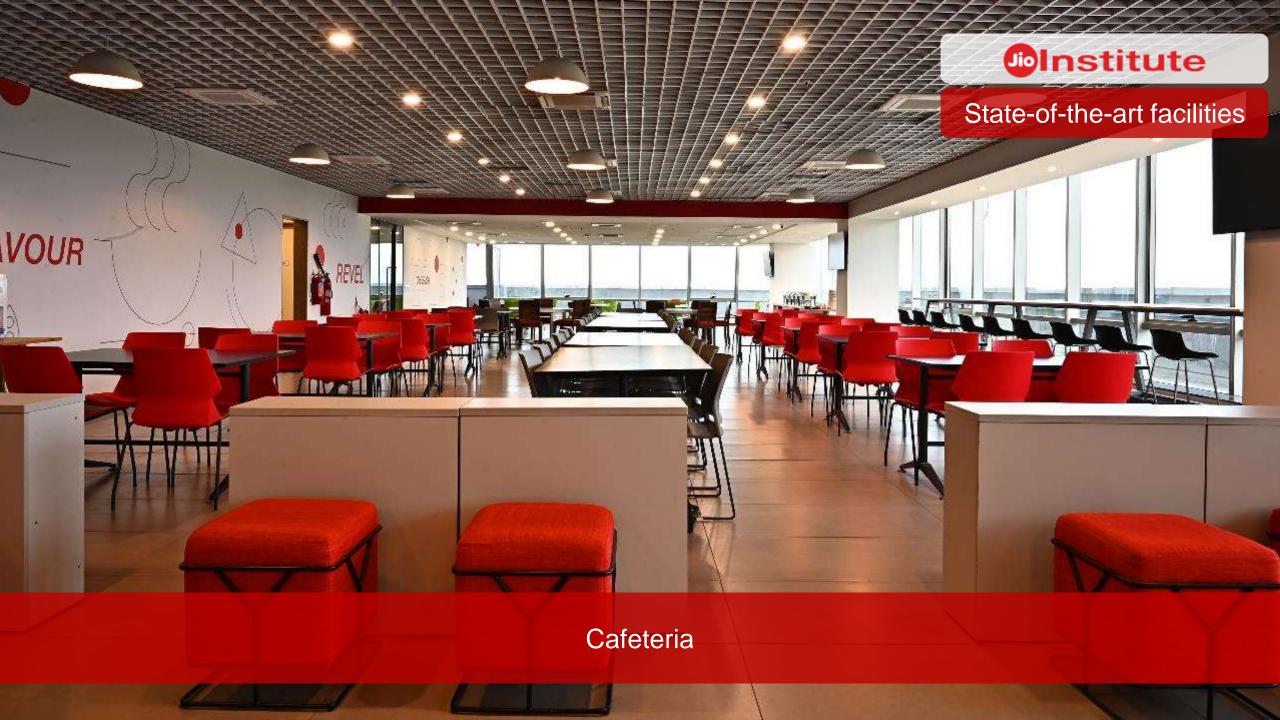








Conference Room





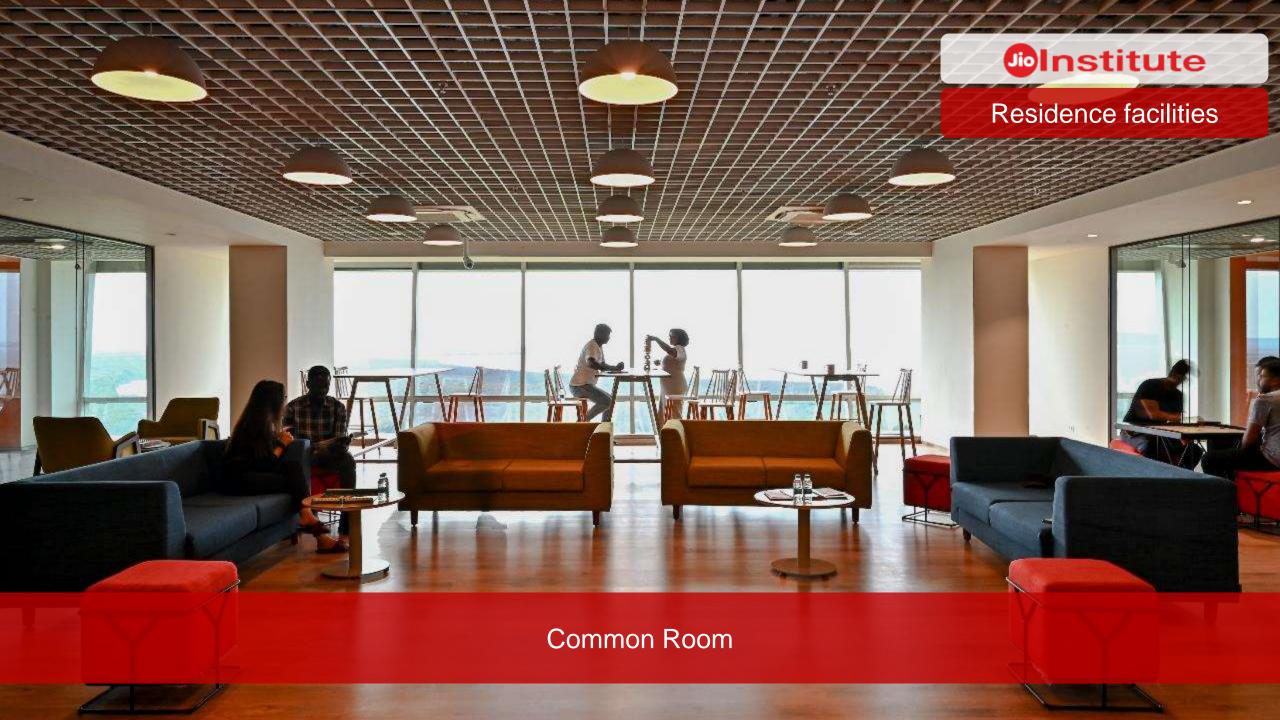
























- Jio Institute is focusing on establishing a culture of academic and research excellence.
- In the initial years, Jio Institute is focusing on Post Graduate programmes and activities in niche
  disciplines to serve as a foundation for the establishment of its future schools and degree
  programmes as well as to seed a research driven environment.
- Jio Institute plans to have new-age programmes in-line with the current industry trends and academic needs.
- The programmes are planned with a **multi-disciplinary approach** including aspects of **interdisciplinary learning** with a view to provide **holistic development** of students.
- The envisaged programmes in the first few years are also in line with the Reliance Group strengths
  and focus areas to leverage the group's expertise.
- The evolution of the Jio Institute and the establishment of its culture of excellence and values are developed in consultation with **eminent global advisors**.

## **Academic Plan Moving Forward**







Digital Media and Marketing Communications



Sports Management





FinTech





**New Materials** 



Life Sciences





#### **Pre-Requisite courses**

- · Linear Algebra
- Python Programming
- Basic Probability & Statistics

#### **Foundation courses**

- Probability & Statistics
- Python Programming
- Data Structures & Algorithms
- Introduction to AI
- Databases & Data Warehouses
- Liner Algebra
- Optimization
- Data Visualization
- Time Series Analysis

## **Core and Foundation Courses**

- Machine Learning I & II
- Big Data Engineering
- Natural Language Processing
- Computer Vision
- Deep Learning
- Responsible AI
- ML Operations (ML Ops)
- Generative AI & LLMs
- Digital Transformation using AI

## Advanced Elective courses

- Advanced topics in Machine Learning
- Advanced topics in Big Data Engineering
- Deep Learning for Natural Language Processing
- Deep Learning for Computer Vision
- Quantum Computing
- Al in Healthcare

#### **Tools & Platforms**

 Covers 13+ Programming Tools, Languages & Libraries

#### Al for X

 Lecture series organized on case studies from the industry, society & business function where students learn how AI & Data Science are applied across various verticals



## Capstone & Industry immersion

The objective is to provide an integrative experience that is the culmination of learnings from previous quarters into a comprehensive application.

- Machine Learning
- Natural Language Processing
- Computer Vision
- Deep Learning

#### **Study Abroad**

- 2 weeks Study Abroad Module at a Partner University
- Attend academic lecture sessions on Cyber Security and Blockchain Technologies
- Experience cultural and local immersions

#### Internship (on-site)

- 8 weeks internship with leading organizations at their site
- Realtime industry experience with potential to get Pre-Placement Offer

## **Faculty**





Dr. Larry Birnbaum
Professor, Computer Science
Northwestern University



Dr. Shailesh Kumar Chief Data Scientist in Al/ ML Reliance Jio



Dr. Divyakant Agrawal
Distinguished Professor
University of California, Santa
Barbara



Dr. Arindam Banerjee
Professor, Department of
Biostatistics, University of
California, Los Angeles, USA



Dr. Vishnuprasad Nagadevara
Former Professor and Dean,
Indian Institute of Management
Bangalore



**Dr. Vidya Setlur**Senior Director of Tableau
Research, USA



**Dr. Gaurav Aggarwal**Founder and CEO, Ananas
Labs



Dr. Chandra Bhagavatula Senior Research Scientist, Allen Institute of AI, USA



Dr. Dwarikanath Mahapatra Chief Data Scientist in Al/ ML Reliance Jio



Dr. Sudipta Roy
Assistant Professor,
Jio Institute

## **Faculty**





Dr. Varun Aggarwala Assistant Professor, Jio Institute



Mr. Manaranjan Pradhan
Adjunct Faculty
IIM Bangalore & ISB Hyderabad



Mr. Rishabh Sharma Principal Technologist, MindsOAi Technologies



Dr. Niket Tandon
Research Scientist, Allen
Institute of AI, USA



Mr. Sray Agarwal
Principal Consultant,
Fractal Al



**Dr. Jagmohan Chauhan**Assistant Professor,
Southampton University

### **Student Mentors**





Mr. Anindya Bhattacharjee Group Product Manager, Al Centre of Excellence, Jio Platforms



Mr. Amit Verma
DGM - Products & Innovation,
AI & ML Products and
Solutions, Jio Platforms



Dr. Kalyan Tadepalli Consultant - Al in Healthcare, Jio AlCoE



## **Programme Curriculum**

#### **Pre-Requisite courses**

#### Online courses:

- Al for Everyone
- · Better Business Writing in English
- Excel Basics for Data Analysis
- · PowerPoint essentials training
- Word Essentials Training

#### Bootcamp on campus:

- Math bootcamp
- Case-study workshop

#### **Foundation courses**

- Fundamentals of Management and Strategy
- Financial Reporting and Analysis
- Operations Management
- Organization Behavior
- Project Management
- Business Communication
- Sustainability
- Principles of Leadership & Persuasion

#### **Core Courses**

- Marketing Strategy
- · Business Statistics for Marketing
- Professionals
- Consumer Insights
- · Omnichannel Marketing Strategy
- B2B Marketing
- Marketing Research (Quantitative)
- Pricing (Strategy & analytics)
- Strategies for Growth
- Forecasting Analytics
- Sales & Distribution Management
- Strategic Marketing (NTU Singapore module)

## Capstone & Industry immersion

The objective is to provide an integrative experience that is the culmination of learnings from previous quarters into a comprehensive application.

- Digital Media
- Communications
- Marketing Strategy
- Data Analytics



#### **Elective Courses**

- · Advertising & Media
  - · Media Strategy in a Digital World
  - Strategic Marketing Communications
  - Content Creation & Storytelling
- Brand & Product Management
  - Brand Strategy & Customer Engagement
  - Product Management
  - · Marketing Decision Making
- · Digital Marketing/ Technology in Marketing
  - AI & Marketing (NTU Singapore module)
  - · Machine Learning Basics for Marketers
  - Marketing Analytics
  - · Digital & Social Media Marketing
  - Digital Media Metrics & Analytics

#### **Study Abroad**

- 2 weeks Study Abroad Module at a Partner University
- Experience cultural and local immersions

#### **Internship (on-site)**

- 8 weeks internship with leading organizations at their site
- Realtime industry experience with potential to get Pre-Placement Offer

## Program Advisory Council





Dr. Frank Mulhern
Associate Dean for
Research,
Northwestern
University



Dr. Aditi Bajaj
Co-Founder & CMO
Tazzho;
Adjunct Professor,
Northwestern University
Santa Clara University



Dr. Raj Sethuraman Harold Simmons Chair in Marketing, Southern Methodist University, USA



Dr. Naveen Donthu
Vachel Pennebaker
Research Chair, and
Kenneth L. Bernhardt
Distinguished Marketing
Department Head, Georgia
State University, USA



Mr. Samir Sheth Consumer Product Marketing Lead at Twitter (Ex: Fitbit, Facebook, P&G), Twitter, USA



Mr. Anish Shah Director, Forrester Research, USA



Dr. Arvind
Rangaswamy
University Distinguished
Professor of Marketing,
Pennsylvania State
University, USA

## Faculty





Dr. Ashok Charan
Marketing veteran |
Former faculty, National
University of Singapore,
Singapore



Alan D'Souza
Former Executive Director Mudra
Communications Ltd.
Founder Member Mudra Institute of
Communication Ahmedabad (MICA)



Mr. Nitesh Mohanty
Visual Artist & Design
Consultant | Adjunct faculty,
MICA, Ahmedabad, India



Mr. Chandrachur Ghosh
Marketing & Business
Strategy Professional | Former
CEO, DigiSpice Technologies
Ltd, Navi Mumbai, India



Dr. Denish Shah
Barbara and Elmer Sunday
Associate Professor of Marketing |
Founding Director of the Social
Media Intelligence Lab |
Co-Director of the Marketing
(CMO) Round Table, Georgia
State University, USA



Mr. Dominic Dsouza
Legal Professional, Indian
media & entertainment industry
| Former Head Legal, Balaji
Group, Mumbai, India



Dr Seshadri
Tirunillai
Associate Professor
- Marvin Hurley
Professor of
Marketing &
Entrepreneurship,
University of
Houston, USA



Dr. Partha
Krishnamurthy
Larry J. Sachnowitz
Professor of
Marketing,
University of Houston

## **Faculty**





Ms. Pratibha Vinayak
ICF-PCC Certified executive
Coach | Visiting Professor, IIFT
Delhi, India



Dr. Sharad Borle
Associate Professor of
Management, Rice University, USA



Mr. Sukaran Thakur
Brand Consultant, Adjunct Faculty &
Business Director



**Dr. Prantosh J. Banerjee** Visiting Faculty, Jio Institute



Mr. Gokul Kamath
Independent Consultant & Faculty at
B-schools, Bangalore



## Curriculum



#### **Core Courses**

- Business of Sport Leagues
- Data Analytics Fundamentals and Tools
- Data Analytics in Sport Business
- Entrepreneurship in Sport Management
- Global Sport Industry
- Introduction to Management and Strategy
- Legal Issues in Sport
- Olympic Studies and the Olympic Ecosystem
- Personal and Business Communication
- Promotion and Sales in Sport Business
- Social Production and Consumption of Sport
- Sport Event Development
- Sport Event Operations
- Sport Finance
- Sport Leadership & Organizational Behavior
- Sport Marketing
- Sport Psychology
- Sustainability
- Trends and Issues in Sport Management

#### Internship (on-site)

- 8 weeks internship with leading sport management organization at their site
- Realtime industry experience with potential to get Pre-Placement Offer

#### **Capsule Courses**

- Al for Managers
- Athlete Management
- Branding and Advertising
- Business Ethics
- Esport Industry
- Gaming and Betting in Sport Industry
- Leadership and Values
- Research Thinking
- Safeguarding
- Sport Media and Broadcasting
- Sport Consulting
- Sport Journalism
- Sport Nutrition

#### **Study Abroad**

- 2 weeks at a partner university outside India
- Attend academic lecture sessions
- Visit sport event venues and meet leading athletes, coaches and executives
- Experience cultural and local immersions

## **Holistic Learning Modules**

- Core Alignment
- Design Thinking

## Capstone & Industry Immersion

The objective is to provide an integrative experience that is the culmination of learnings from previous quarters into a comprehensive application.

- Media and Broadcasting
- · Sport Events and Operations
- Sport Marketing
- Sport Technology

## **Faculty & Advisors**





Dr. Andy Gillentine
Professor of Sport and Entertainment
Management,
University of South Carolina, USA



Prof. Bill Gerrard
Professor of Business Management,
Leeds University Business School,
UK



Prof. Dr. Joseph Maguire
Professor Emeritus,
School of Sport, Exercise and Health
Sciences
Loughborough University, UK



Mr. Aditya Aditya
Head of Media, Business Strategy,
& Intelligence
International Olympic Committee IOC
Lausanne, Switzerland



Dr. Matthew T. Brown
Department Chair and Associate
Professor, Sport and Entertainment
Management, University of South Carolina,
USA



Dr. Hans Westerbeek
Professor of International Sport
Business, Victoria University,
Australia



Mr. Dominic Dsouza
Legal Professional, Indian
media & entertainment industry
| Former Head Legal, Balaji
Group, Mumbai, India



Prof. Dr. Jennifer Smith Maguire
Associate Dean for Research and
Innovation, College of Business,
Technology and Engineering and Professor
of Cultural Production and Consumption,
Sheffield Hallam University, UK

## **Faculty & Advisors**





Dr. Koh Koon Teck
Associate Professor,
National Institute of Education Physical Education & Sports Science
Nanyang Technological University,
Singapore



Dr. Aashish Contractor
Director, Rehabilitation and
Sports Medicine, Sir H.N.
Reliance Foundation Hospital,
India



Dr. William Sutton
Professor Emeritus, Sport and
Entertainment Management,
University of South Carolina;
Former Vice President of Team
Marketing and Business Operations
for the NBA, USA



**Dr. Bernie Mullin** CEO, Aspire Group, USA



Mr. Peter Sprenger
Chairman Techonomy,
President Dutch Volleyball Federation,
Netherlands



Mr. Prashanth Shawn Doss CBO International Ventures, Elevate Group, USA



Ms. Charece Williams Gee
Head of Americas Sports
Marketing, Under Armour,
USA



Mr. Siddharth Shanker
Vice President,
Reliance Foundation Sports,
India

## **Faculty & Advisors**





Mr. Dan Migala
Founder 4Front (now part of Legends), USA



Dr. Haylee Mercado
Associate Professor,
University of South Carolina
College of Hospitality, Retail
and Sport Management,
USA



Dr. Brian Crow
Professor, Department of Sport
Management, Slippery Rock
University,
USA



Mr. AL Guido
President,
San Francisco 49ers
Chairman and CEO,
Elevate Sports Ventures,
USA



Dr. Keshav Gupta
Assistant Professor,
University of South Carolina
College of Hospitality, Retail
and Sport Management,
USA



Jio Institute's research agenda is aimed to achieve the most impact on society by solving the problems of highest national importance and global relevance. The Institute aims to enable development of frontier technologies such as artificial intelligence, digital media etc. through its interdisciplinary research setup, vibrant entrepreneurship ecosystem, and a culture of innovation.





- O1 Enable and Empower individuals to explore questions of real importance in order to discover and develop innovative solutions.
- O2 Research activities integrated within academic activities and a focus on developing a culture of openness and spirit of enquiry, and that of experimentation and practical understanding.
- O3 Encourage Interdisciplinary research, enable internal and external collaborations and explore and display technology platforms that foster collaborations.
- O4 Constant Evaluations of Research Outcomes, and specific focus on upholding the highest level of integrity in research, and emphasis on originality, significance, and rigor in research.

### Research - Center of Al for All



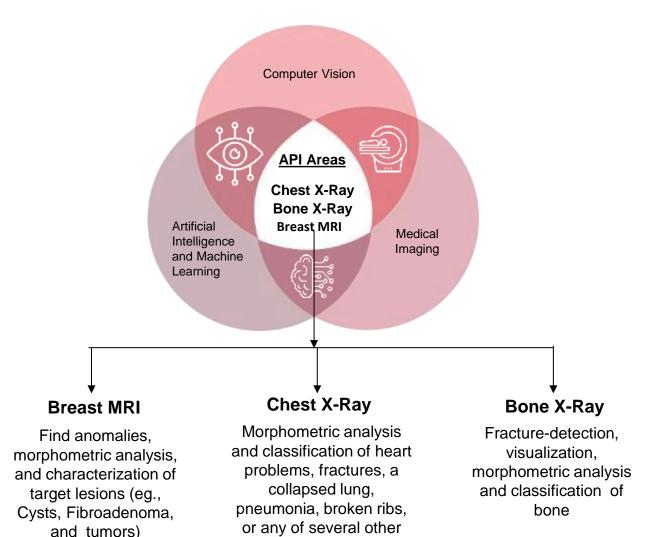
India has recently seen a significant influx of AI in healthcare across start-ups and large technology companies. Since healthcare is data intensive, Computer aided analysis of medical imaging can help medical practitioners to diagnose target lesion or diseases early and more accurately.

#### **Research Goals**

 To automate traditional tasks performed by clinician and radiologists such as target lesion detection, segmentation, classification, visualization and monitoring from clinical medical imaging using computer vision and machine learning techniques in the Indian context.

#### Intended benefits

- Increased productivity of medical practitioners.
- Automation of visualization of target lesion from imaging.
- Reduce mistakes in manual checking of images.
- Monitoring and quantification of diseased area across timeframes.



conditions.



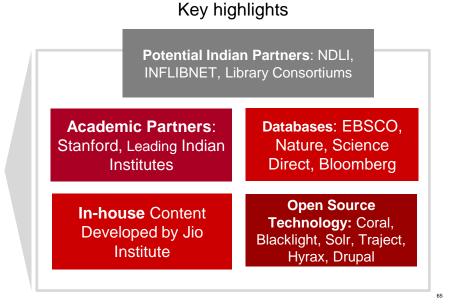
## Jio Institute Digital Library: Vision







Jio Institute **Digital Library** 



## Features of Jio Institute Digital Library

Jio Institute intends to develop a **hybrid model of digital and physical library** since its inception. Features of Jio Institute Digital Library are given below:

- Provide access to quality education & research resources to a wide community of scholars to help them address complex national and global challenges.
- A knowledge resource-centre for teaching-learning as well as an innovation,
   creativity and entrepreneurial opportunity.
- A comprehensive collection of academic and research material from leading global publishers.
- Curated special collections designed to inspire and educate, covering themes such as Indian Arts, Culture and Heritage, 100 years of Mumbai's History, COVID-19 Archive and Artificial Intelligence.
- Powered by a perfect mix of future-proof, open source and commercial software solutions which are scalable, flexible, extensible.



Jio Institute Digital Library

The Jio Institute Digital Library (JDL) is envisaged as a state-of-the-art learning resource centre, a 21st century world class research library and an innovation centre that is built on a strong foundation of cutting-edge technology, imagination, creativity and entrepreneurship to help learners excel in their academic, professional and research areas. JDL has a rich and expanding collection on print and e- Resources, assuring a 24X7 service to the students, researchers and faculty

**Company Profiles** 

65 Million+

Market & Industry Reports

65 Million+

Videos

1.1 Lakh+

Theses & Dissertations

5 Million+

4 Lakh+

**Conference Proceedings** 

**Working Papers** 

2 Million+

Books (Electronic & Print)

27,000+

Journals - National & International (Electronic & Print)

5 Million+

**Working Papers** 

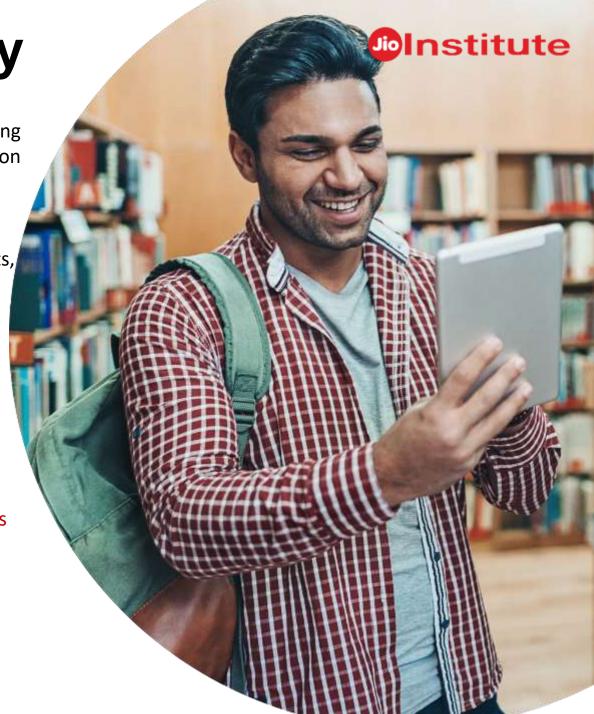
2 Million+

**Case Studies** 

1.3 Lakh+

**Technical Reports** 

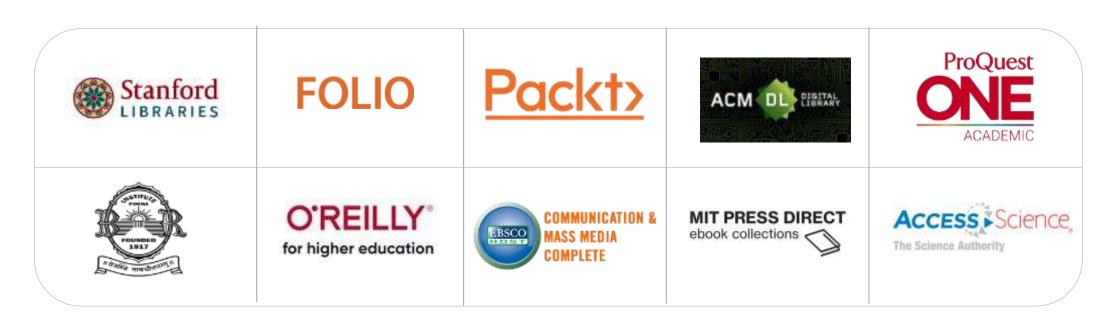
24,000+





## Jio Institute Digital Library: Books & Journals

The library has over numerous print books and journals available for circulation to students, faculty and staff. The Library will provide access to a wide range of electronic resources from leading publishers from around the world.



## **Eligibility Criteria**







Holistic evaluation based on academic track record, co-curricular and extracurricular accomplishments, standardized test scores, statement of purpose and personal interview.

#### PGP AI&DS:

- 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 candidate with relevant experience.

## **Eligibility Criteria**







#### **PGP DM&MC:**

- An undergraduate degree in any discipline with minimum 50 per cent or equivalent CGPA
- A valid GRE / GMAT / CAT score or appear for Jio Institute Entrance Test (JET)
- Preference shall be given to candidate with relevant experience.

#### **PGP Sports Management:**

- An undergraduate degree in any discipline with minimum 50 per cent or equivalent CGPA
- A valid GRE / GMAT / CAT score or appear for Jio Institute Entrance Test (JET)
- Preference shall be given to candidate with relevant experience.



#### **Admission Process**

# Application Entrance Test Personal Interview

- Fill the Online Application along with all supporting documents
- Application Fee: INR 2500

- PGP AI & DS Submit a valid GRE / / GMAT / GATE /CAT (2023/24) score
- PGP DM & MC Submit valid GRE/GMAT/ CAT (2023/24) score.
- PGP Sports Management Submit valid GRE/ GMAT/ CAT (2023/24) score.
- Or Appear for Jio Institute Entrance Test (JET)

 Online Interview for shortlisted students after entrance exam with a Panel comprising of academicians and senior industry professionals to gauge Domain knowledge/ technical skills, critical thinking/ problem solving, learning orientation/ attitude, communication, interpersonal skills/ teamwork.

## Jio Institute