

Mehta Family School of Data Science and Artificial Intelligence

Indian Institute of Technology, Roorkee

Placement Brochure 2025-26



YEARS OF
IIT ROORKEE
Estd. 1847

INSTITUTE AT A GLANCE



The Indian Institute of Technology Roorkee, established in 1847, stands high among the foremost institutes of higher technical education, engineering, and applied research. Since its establishment, the Institute has played a pivotal role in providing the country's technical human resources and know-how and in pursuit of research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. As per the Ordinance, the Government of India issued, it was declared the nation's seventh Indian Institute of Technology, an "Institution of National Importance."



DEPARTMENT AT A GLANCE

Established with the vision to be a global hub for cutting-edge research and education, the Mehta Family School of Data Science and Artificial Intelligence (MFSDSAI) at IIT Roorkee is a pioneering academic unit dedicated to advancing the frontiers of AI, machine learning, and data-driven innovation. Supported by a generous endowment from the Mehta Family Foundation, the school integrates interdisciplinary expertise across computing, mathematics, and engineering to address real-world challenges.

The school offers undergraduate, postgraduate, and doctoral programs designed to nurture the next generation of AI leaders. With a strong emphasis on foundational rigor, research excellence, and industry collaboration, MFSD provides students with hands-on experience in solving complex problems in areas such as healthcare, finance, climate science, robotics, and more.



160

UG Students



92

PG Students



25

PhD Students



26

Faculty

Message From Head

It is my privilege to introduce the graduating batch of the Mehta Family School of Data Science and Artificial Intelligence (MFSDSAI), IIT Roorkee. Our flagship B.Tech program in Data Science and AI, offered via JEE Advanced, along with our M.Tech and Ph.D. programs, attracts top talent and imparts advanced expertise in analytics, machine learning, and data-driven innovation. Guided by distinguished faculty within IIT Roorkee's collaborative ecosystem, our students are equipped with strong technical foundations, critical thinking, and adaptability. We invite recruiters to connect with our graduates and witness the value they bring to your organization.

Prof. Sanjeev Kumar
Head, Mehta Family School of Data Science and Artificial Intelligence
IIT Roorkee



Prof. Sanjeev Kumar
Head of Mehta Family School
of Data Science and AI, IIT
Roorkee



Message From Placement Head

It is indeed an honour to present our students to your esteemed organizations. We are pleased to announce the opening of the newest UG batch this year! Our teaching pedagogy is highly interdisciplinary and the curriculum is as comprehensive and rigorous as any other program offered by the institute, which helps our students proficient in the basic as well as applied fields of relevance. They undergo summer training on latest technologies and internships with adequate exposure in addition to their dissertations and lab-based projects on cutting-edge problems. To offer our students global exposure, we have strong academic collaborations with the international universities of repute for internships, higher studies, student and faculty exchange programmes. This academic environment helps students towards acquiring skills needed by different organizations.

We are thankful to have consistent support from our esteemed recruiters in both hiring our students and offering numerous internship opportunities. We warmly invite you to the 2025-2026 Placements and Internships and look forward to collaborating with you to hire the best talent for your organization. We also seek your suggestions on possible project/internship opportunities in your organization, where you can involve and guide our students.

Best wishes to you and all our MFSDSAI students for successful Placement and Internship process at IIT Roorkee.

Should you need any clarification, please feel free to contact us and we would be happy to assist you. Thank you.

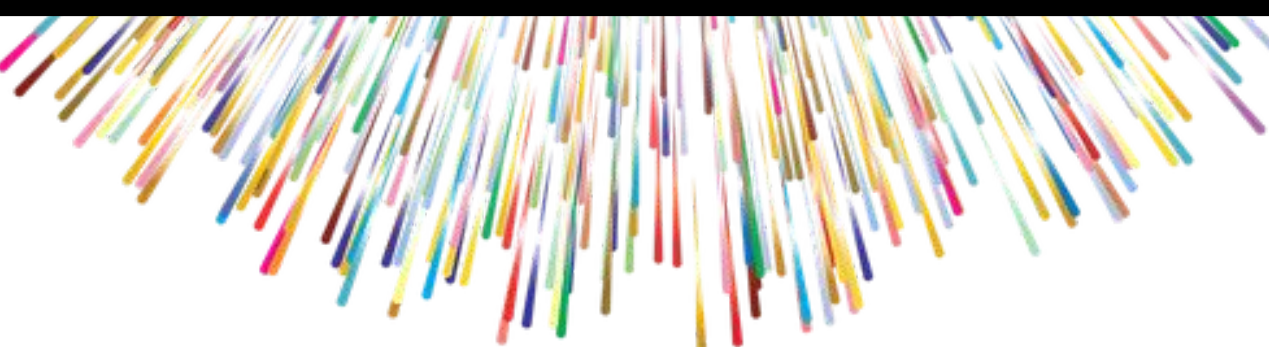
Yours sincerely,
Placement & Internship Cell (MFSDSAI)



Prof. Simanchal Padhy
Head of P&I Cell, Mehta
Family School of Data Science
and AI, IIT Roorkee



We are proud to introduce the inaugural batch of **B.Tech in Data Science and Artificial Intelligence, Class of 2026**, for placements. This exceptional group of students has been selected from the **top 1000** ranks of **JEE Advanced**, representing some of the brightest young minds in the country. With a rigorous curriculum and interdisciplinary training, they are equipped with strong foundations in **Mathematics, Computer Science, and AI**, ready to take on real-world challenges and drive innovation across industries.



Programs Offered

1. B.Tech in Data Science and Artificial Intelligence

2. M.Tech in Data Science

3. M.Tech in Artificial Intelligence

4. PhD in Data Science and Artificial Intelligence



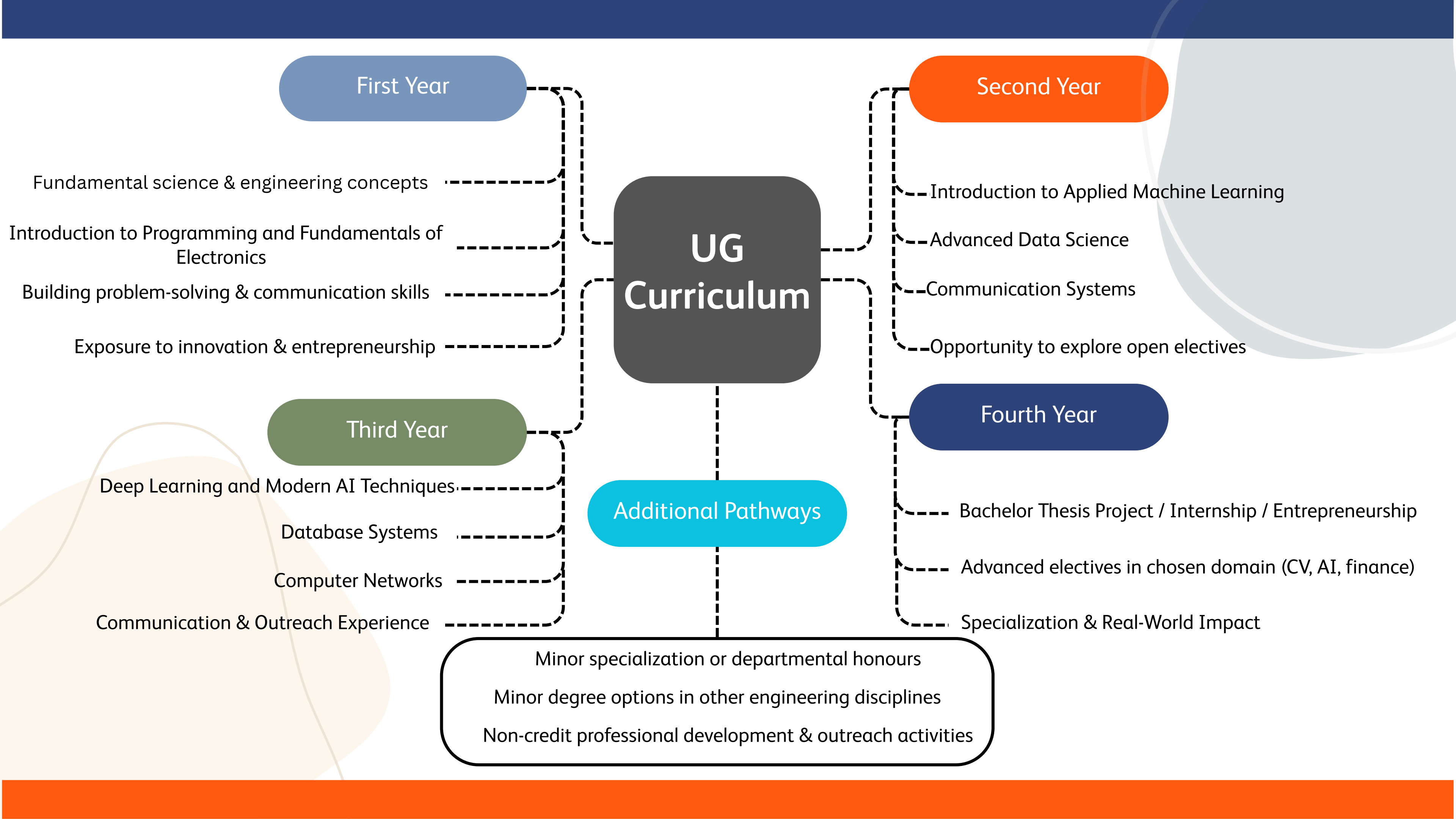
Curriculum



The curriculum at the the Department of Data Science and AI is thoughtfully designed to give students a comprehensive and interdisciplinary foundation. It blends core foundations in mathematics, statistics, and computer science with advanced topics in machine learning and artificial intelligence.

Students gain strong theoretical grounding through courses in linear algebra, probability, algorithms, and optimization, while also developing practical skills in deep learning, NLP, computer vision, and data engineering.

This integrated approach ensures graduates are equipped with both analytical depth and hands-on experience, making it one of the most well-rounded programs in the field.



PG Curriculum Journey

Semester I

Core Foundations
Problem-Solving
Essential Tools
Interdisciplinary
Perspectives

Semester II

Choice-Based Electives
Advanced Skills
Research Tools
Seminar Presentations

Internship

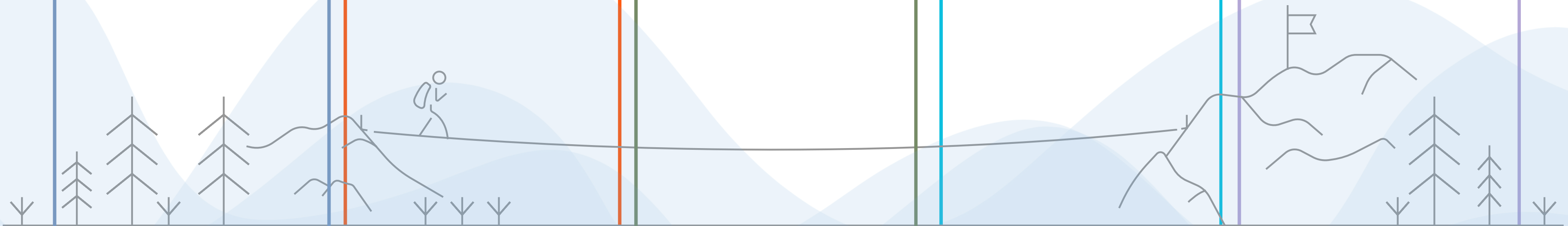
Industry or
research-based AI
project for
practical exposure
and skill
application.

Semester III

Initial Thesis Work
Independent Research

Semester IV

Final Thesis Phase
Integration of Depth
Career Preparation



Courses Offered



Mathematics

Statistics and Probability,
Linear Algebra,
Differential, Integral, and Vector
Calculus,
Discrete Mathematics,
Numerical Methods,
Time Series Analysis,
Stochastic Processes and
Applications,
etc.

Computer Science and Programming

Computer Networks,
Principle of Databases,
Data Structures,
Design and Analysis of
Algorithms,
Programming in C++,
Programming in Python,
Optimization and Soft
Computing Techniques,
Computer Organization and
Architecture,
Digital Electronics,
Communication Systems,
etc.

Data Science and Analytics

Data Science,
Distributed Systems and Data
Analytics,
Image and Video Analytics,
Big Data Analytics,
Data Science for Finance,
Parallel Computing,
Statistical Inference,
Blockchain Technology
Data Science for
Bioinformatics
etc.

Artificial Intelligence

Applied Machine Learning,
Deep Learning,
Natural Language Processing,
Computer Vision,
Fundamentals of AI/ML,
Computer Architecture for AI,
Generative AI (GenAI),
Internet of Things
Digital Image Processing
Reinforcement Learning
etc.

Student Achievements

ICPC World Finals

Our student is to represent IIT Roorkee at the ICPC World Finals 2025, after achieving top ranks in the country in the ICPC Prelims and Regionals, and secured a spot at the World Finals by achieving a rank of 6 at ICPC Asia-West Finals.

Inter IIT Triumphs

Our students have shone through at the Inter IIT tech meets showcasing their technical excellence, team work, and problem solving abilities. To name a few of the events, our students have won silver in Adobe's event and bronze at DevRev's event in 2023 at IIT Madras.

Publications at top AI Conferences

Our students are already contributing to cutting-edge research with publications at premier venues such as NeurIPS, ICML, ICLR, TMLR, ECCV, CVPR and MLRC. From adversarial robustness to interpretability and generative AI, their work reflects both academic excellence and real-world relevance

Hackathon Achievements

Another show of our students' technical prowess comes from their exceptional performances in hackathons and events. Our students have been finalists in Smart India Hackathon (top 4) and rankers in Meta Hacker Cup.

Research Pursuits

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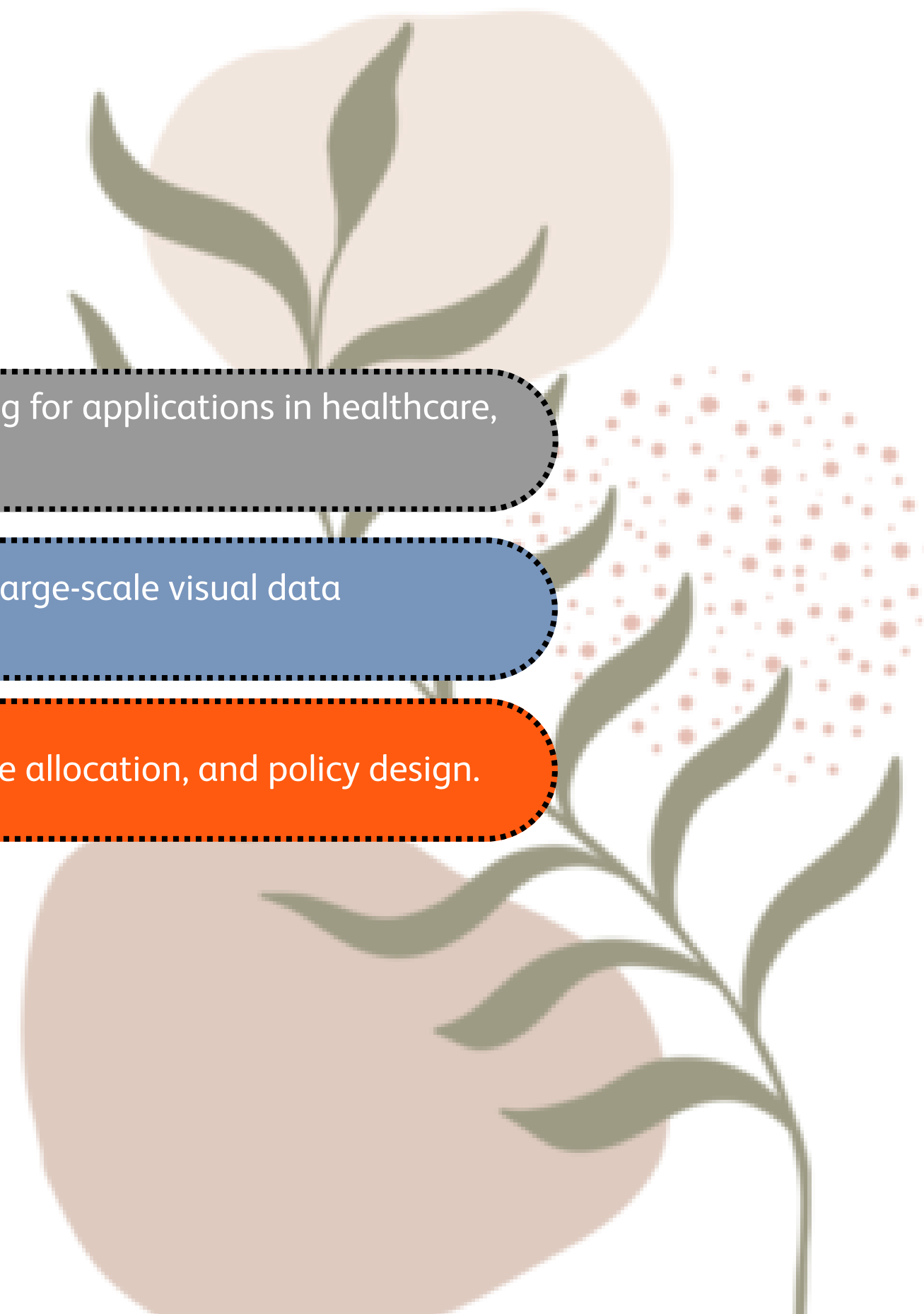
Core AI and Computational Intelligence: Developing novel algorithms in machine learning, deep learning, and optimization to push theoretical and applied boundaries.

AI in Finance and Economics: Leveraging predictive modeling, reinforcement learning, and risk analytics for financial decision-making, fraud detection, and algorithmic trading.

Geospatial Data Science & Urban Analytics: Employing spatial big data, network science, and GIS-driven AI for urban planning, mobility optimization, and sustainable transportation management.

Generative AI and Creative Intelligence: Exploring generative modeling for design optimization, simulation, and human–AI co-creation.

Research Projects



Human-Centered AI: Advancing emotion recognition, affective computing, and behavioral modeling for applications in healthcare, education, and human–computer interaction.

Computer Vision and Image Processing: Innovating in pattern recognition, medical imaging, and large-scale visual data understanding.

AI for Societal Impact: Integrating data-driven methods for climate resilience, smart cities, resource allocation, and policy design.

Major Recruiters



Beyond Academics

Our students are not just scholars, they are leaders, creators, and athletes. They actively lead and contribute to various student bodies, tech clubs, and cultural organizations, often representing IIT Roorkee in national-level competitions. From excelling in Inter-IIT Tech Meets to achieving podium finishes in Sangram and Inter-IIT Sports Meets, our students consistently demonstrate excellence beyond the classroom, embodying a spirit of all-round development and teamwork.



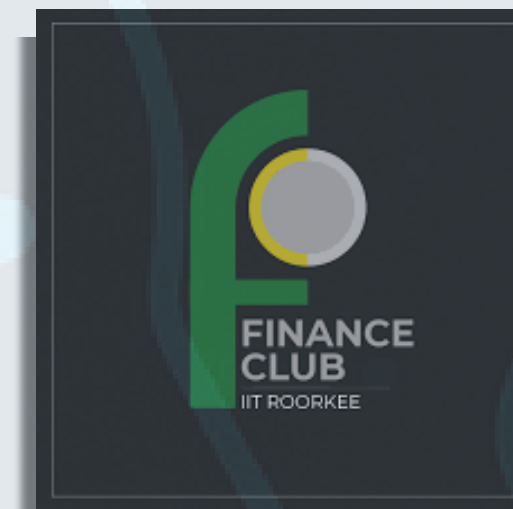
Programming and Algorithms Group



Data Science Group



Inter IIT Sports 2024



FinClub IITR



Information Management Group



Vision and Language Group



Sangram



Contact Us

Students' Advisory Council for Placement (2025 – 2026)

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YEARS OF

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