DEPARTMENTS

Bioscience & Bioengineering Department

Head of Department - Prof. Amit Mishra

The Department of Bioscience & Bioengineering at IIT Jodhpur, established in 2009 offers a B.Tech. program in Bioengineering, an M.Tech. and M.Tech-Ph.D. dual degree programs in Bioscience & Bioengineering. Our programs are uniquely designed to inspire innovations in biotechnology, engineering, and medicine from an understanding of biological systems. This capacity building is assuming importance in the present times for providing solutions to societal problems in trans-disciplinary frameworks. A major focus is on neurosciences and neurodegenerative disorders, mechanistic biology, environmental and medical microbiology, computational biology, precision health, and bioprospecting for novel molecules and bio-actives from natural resources of the Thar ecoregion. We also offer a competitive Ph.D. program to inculcate scientific temper, independent thinking, and skillsets for scientific entrepreneurship. We encourage and provide avenues for the participation of bioengineering graduates with diverse engineering disciplines to develop technologies for:

1. Affordable and Smart Healthcare

2. Clean Environment

3. Precision Medicine and Health

4. Sustainable and Affordable Energy

Faculties at the department with wide-ranging expertise, conduct fundamental and translational research in focus areas that are contemporary and aligned to major sustainable development goals. We are passionate about research and actively communicate our science through regular outreach programs.

Message from the Head of the Department - Bioscience and Bioengineering are pivotal to India's growth. driving innovation and advancing technology in healthcare. agriculture, and environmental sustainability The Department of Bioscience & Bioengineering at IIT Jodhpur plays a key role in implementing diverse advanced biological-research areas within these fields. with a strong focus on fostering research and development (R&D) and entrepreneurship.
By offering a multidisciplinary platform that integrates cutting-edge research in drug discovery, genomics, affordable and integrative precision healthcare solutions. Big Data Biology and bioinformatics. In addition. the department actively promotes entrepreneurship by providing incubation support, facilitating industry collaborations, and encouraging the growth of startup ventures in biosciences.

With access to advanced research facilities and guidance from expert faculty members, students can transform their ideas into practical, marketable solutions, benefiting industries such as healthcare, agriculture, and biomanufacturing.

BSBE Department, IIT Jodhpur emphasis on interdisciplinary research, in near future which may also align with national initiatives like the BioE3 policy to promote R&D, commercialization, and the establishment of bioeconomy hubs. The curriculum is thoughtfully designed to meet the diverse aspirations of students entering the fields of biosciences and bioengineering. This approach not only strengthens the academic peers ecosystem but also creates employment opportunities and enhances societal well-being.

Department of Chemical Engineering

Head of the Department - Parag Arvind Deshpande

The Department of Chemical Engineering offers under-graduate (B.Tech.) and post-graduate (M.Tech., M.Tech.-Ph.D. and Ph.D.) programs in chemical engineering. Through the academic programs, the department is making a conscious effort to establish itself as a leading institute in the new genre of chemical engineering education. The program involves traditional courses, emerging areas and specialisations such as process engineering intelligence, molecular engineering and sustainability.

In line with the new education policy, B.Tech. (Chemical Engineering) students will have unique opportunity and flexibility for:

(i) Minor in (a) Management; (b) Entrepreneurship; (c) Data Science

(ii) Five (5) year B.Tech.+M.Tech./ MBA

(iii) One (1) year Engineering Innovation opportunity

Traditionally, chemical engineering teaching focuses on subjects like material and energy balance, transport phenomena, thermodynamics, mass transfer, heat transfer, fluid mechanics, chemical reaction engineering, numerical analysis, computational systems, biotechnology, petroleum-petrochemicals, polymers and safety engineering. With the advent of the era of Industry 4.0 in chemical companies, artificial intelligence (AI), machine learning (ML), data analytics, internet of things (IoT), molecular engineering, nano-composites; the discipline is being transformed by the incorporation of new emerging technologies and demand-driven areas.

The department is keen on collaboration with industry and academia worldwide. At present, Chemical Engineering Department is sharing its expertise with the Department of Drinking Water and Sanitation (DDWS), Ministry of Jal Shakti; Defence Research and Development Organisation (DRDO), Ministry of Defence; International Atomic Energy Agency (IAEA)

etc. Department has signed MoU with the industries for providing consultancy services. Department is also actively involved in Scientific Social Responsibility (SSR) through Unnat Bharat Abhiyan (UBA) and other societal initiatives.

Department has research interest in core and emerging areas; and is looking for faculty members in different areas of chemical engineering. Prospective candidates are encouraged to visit our recruitment page and apply.

Department of Chemistry
Head of the Department - Sandip Murarka

Chemistry@ IIT Jodhpur is where Chemistry sees Technology. The Department of Chemistry was established in 2015 at IIT Jodhpur. The Department offers M.Sc.(2 Yrs), M.Sc.(Chemistry)-M.Tech. (Materials Engineering) with specialization, BS in Chemistry with Specialization (4 years) and Ph.D. program in chemistry. In addition, it offers core and elective courses in chemistry and allied areas for undergraduate B.Tech. Engineering Students in the Institute. The Department of Chemistry at IIT Jodhpur is striving to be acknowledged for excellence in teaching, research and outreach, at a distinctive locus of science and technology. Research is carried out in all major areas of chemical sciences. It has started its journey of making technology contributions in new materials for energy solutions, environmental remediation, water and healthcare. Alongside, focus is on the fundamental understanding of Chemical Dynamics, Theoretical Computational Chemistry, Biological Phenomena, Nuclear Magnetic Resonance, Organic Synthesis, Organometallics, Main Group Chemistry, Nanomaterials, Quantum Chemistry and Quantum Information.

The department has been actively involved in setting up an advanced research facility that house various sophisticated equipment and characterization tools for carrying out cutting-edge research. Department has access to various spectrometers for molecular characterization (NMR 500 MHz,temperature-dependent fluorescence and PL measurements, UV-Visible, FT-IR), Microscopy techniques (SEM, AFM, optical microscope) and structural characterization (P-XRD and Single-crystal XRD) and thermal characterization tools (TGA, DTA), Surface techniques (BET, Chemisorption, Contact Angle) and Magnetic Measurements (SQUID and PPMS).

Department of Civil and Infrastructure Engineering
Head of the Department - Deepika Bhattu

The rapidly urbanizing society and increasing quality of life demand reliable and intelligent infrastructure systems which are capable of catering to the societal needs at different scales – from an individual to the community level. Consequently, the civil and infrastructure industry has undergone profound changes and is constantly evolving. However, the new-age designs and innovations in the civil and infrastructure industry can only be driven by a group of engineering graduates having multidisciplinary training and a sound understanding of emerging technologies. The Department of Civil and Infrastructure Engineering, IIT Jodhpur esatablished in January 2020. We started academics programs in the academic year 2020-2021. The department offers unique programs that incorporate and integrate the elements of conventional civil engineering with advanced transformative technologies such as artificial intelligence (AI), cyber-physical-systems (CPS), digital twins (DT), and automated management and information systems. Additionally, a major thrust is also planned on the design, implementation, and maintenance of large-scale integrated infrastructure systems across different domains.

The focus areas of the department are :

 (1) Energy and Environment
 (2) Building Sciences, Safety, and Services
 (3) Applications of AI, IoT, and CPS in Civil and Infrastructure Engineering
 (4) Smart and Integrated Infrastructure
 (5) Urban Architecture and Planning
 (6) Construction Technology and Management
 (7) Transportation Engineering
 (8) Structural Engineering
 (9) Geotechnical Engineering
(10) Water resources Engineering
(11) Engineering Geology

Vision:

"The Department strives to be an internationally renowned centre of excellence in education, research, and innovation with a major focus on sustainability and digitalization of infrastructure."

Missions:

Develop unique courses in the field of Civil and Infrastructure Engineering through advanced UG and PG programs with a multidisciplinary perspective.
Establish high quality teaching and research facilities in the areas of smart, resilient, and sustainable infrastructure engineering to foster the needs of society.
Promote consilient research through application of AI/ML, cyber-physical-systems, digital twin and advanced visualization in the areas of Energy, Environment, Transportation, and Construction.
Promote innovative and entrepreneurial activities through intellectual property generation and transfer.

Nurture the potential of students to become future leaders in the Civil Engineering industry for leadership achievements, scientific breakthroughs and social welfare.

Department of Computer Science and Engineering
Head of the Department - Gaurav Harit

The B.Tech. program in Computer Science and Engineering (CSE) at IIT Jodhpur aims to equip its students with skills to undertake careers that involve identifying and engineering solutions for real-world problems, through innovating upon their core competence in computer science. The curriculum gives due importance to the foundational aspects of computer science, as well as aspires to inculcate in students the foresight and expertise to address transdisciplinary technological questions. Students can choose from a number of elective courses that strive to expand their understanding of emerging concepts and processes across domains such as Theory and Algorithms, Hardware, Systems, Network and Security, Artificial Intelligence, Machine Learning, Speech, Vision, Language, and Social Computing.

The program also encourages its students to opt from a number of exclusive interdisciplinary specialization tracks, that are envisaged to provide a coherent and sophisticated understanding of underlying subject-areas, to empower them to pursue myriad career paths. Some of these specializations are:

 Visual Computing
 Socio-Digital Reality
 Advanced Algorithms
 Social and Sustainable Computing
 Intelligent Communication and Networking

VLSI Systems

The program aspires to produce a well prepared, motivated workforce who would valiantly embark upon careers in research and industry involving innovation, knowledge creation, engineering, and entrepreneurship. All students who have graduated from the department thus far are currently placed in companies of repute or are pursuing higher education in top-tier universities in the country and the rest of the world.

Starting 2020, IIT Jodhpur will be offering a unique undergraduate program in Artificial Intelligence and Data Science, that envisions to equip students with the ability to assess societal, health, safety, legal and cultural issues, and - most importantly - identify their consequent responsibilities as engineers of effective solutions for the same.

The curriculum is interdisciplinary at heart - straddling computer science, mathematics, artificial intelligence, machine learning, data science, and their applications across numerous domains. Besides Artificial Intelligence, Deep Learning, Digital Image Processing, Computer Vision and Video Processing, the program will be training its students in a range of exclusive courses like:

 Biometrics
 Dependable AI
 Resource-constrained AI
 Big Data
 Data Engineering and Data Visualization
 Stream Analytics
 Social Network Analysis
 Human-Machine Interaction
 Augmented and Virtual Reality
 Speech and Natural Language Understanding
 Computational Neuroscience

Department of Electrical Engineering
Head of the Department - Bharat Singh Rajpurohit

The Department of Electrical Engineering primarily focuses on imparting quality education and preparing students to face future technological challenges. The vision of the Department is to enhance the research environment and to innovate in pedagogy to address the challenges of socio-economic and human resource development. The Department is committed to engage in high-quality research by Faculty Members and Students, and in the pursuit of excellence in teaching.

The Department offers B.Tech. in Electrical Engineering with broad range of major and minor specializations and three state-of-the-art M.Tech. programs in Sensors and Internet of Things (SIoT), Cyber Physical Systems (CPS), and Intelligent Communication Systems (ICS).

The Department also runs dual degree (M.Tech. + Ph.D.) programs in Intelligent Communication Systems, Sensors and Internet of Things (SIoT) and Cyber Physical Systems (CPS) as well as Ph.D. program with a broad range of specializations covering detailed aspects of Microelectronics, Signal Processing, Communication, Microwave & Photonics, Power systems, Control systems etc. The Department is also starting a new Executive MTech Program in Intelligent VLSI Systems (for working professionals) from July 2022.

The prospective undergraduate and postgraduate students are encouraged to visit the Academic Programs (UG Program, PG Programs and Doctoral Programs) page of the Department to know more about the details of courses offered in the department.

To know more about the current research themes of the faculty members, the prospective students are encouraged to visit the Research Overview

page of the Department. Technology Tracks currently pursued by the Department include emerging and challenging fields that culminate at the intersection of several traditional research areas.

Current Technology Tracks:
Active collaboration is on-going with organizations like Freescale Semiconductors, Global Foundries, AIIMS Jodhpur, DST, DRDO, and ISRO, to name a few. The Department has been attracting various sponsored projects from R&D organizations since its inception.

Department of Mathematics
Head of the Department - V. V. M. S. Chandramouli

Mathematics, being the basis of many disciplines, is a subject that evolves with time and creates new theories to solve real-world challenging problems. Our department has been taking a leading role in developing new methods to model such situations that can be used in diverse areas of computer science, engineering, and basic sciences. The department has faculty with research interests in the areas of Algebra, Mathematical Physics, Scientific Computation, Numerical Analysis, Partial Differential Equations, Topological Dynamics, Low Dimensional Chaos, Dynamical Systems, Renormalization in Low-dimensional dynamics, Wavelet Analysis, Fractional Transform Theory, Image Processing, Financial Risk Analysis, Categorical Data Analysis, Reliability Theory, Applied Probability.

We are excited to offer high-quality programs at postgraduate level for students who wish to apply math to science or engineering such as a two-year M.Sc. program in Mathematics, a four-year M.Sc-M.Tech program in Mathematics-Data and Computational Sciences, a two year M.Tech program in Data and Computational Sciences. We also offer an M.Tech-Ph.D. dual degree program in Data and Computational Sciences

and a Ph.D. Program with specialization in different areas of Mathematics to those who wish to earn a deeper understanding of pure and applied Mathematics.

Department of Mechanical Engineering
Head of the Department - Suril Shah

The Department of Mechanical Engineering at IIT Jodhpur is devoted to quality engineering education and pursuits the excellence in research. It is dedicated to preparing students to face the emerging challenges faced by society. The vision of the Department is to translate its research and to innovate in pedagogy to enable ignited young minds to find technological solutions for upcoming challenges. The Department offers B. Tech. M. Tech. and Ph.D. in Mechanical Engineering within three major domains of Thermofluids, Design, and Smart Manufacturing. The students also have the opportunity to work with an interdisciplinary specialization in emerging areas such as Artificial Intelligence (AI), Internet of things (IoT), Smart Healthcare, and Cyber-Physical Systems (CPS).

At IIT Jodhpur, mechanical engineers are educated in a way not only to adapt but to define direct change. This is reflected in the portfolio of the current activities of the Department. Faculty members are involved in a wide range of projects in the areas of energy conversion and power systems, heat transfer and fluid mechanics, mechanics of solid, mechanical vibrations, robotics, autonomous unmanned vehicles, design optimization, acoustics and noise control, control systems, rotor dynamics, nanomaterials, biomechanics, bio-inspired thermo-fluids, fluid-structure interaction, etc. to name a few. Additionally, efforts are being made to introduce advanced concepts like smart manufacturing, Industry 4.O, Smart scientific computing techniques, high-performance computing, applications of artificial intelligence, machine learning algorithms, sensors, and IoT as a part of solving interdisciplinary problems requiring mechanical engineering know-how. Keeping a balance between theory and hands-on experience,

the Department intends to provide its students with a solid foundation in core as well as emerging areas of mechanical engineering by inspiring critical thinking and nurturing problem-solving skills.

The department has active collaborations with AIIMS Jodhpur, General Electric, Thermax, DRDO, ISRO, TCS Innovation Lab, TVS Motor Company to name a few. The department has been attracting various sponsored projects from R&D organizations since its inception.

Technology Tracks:
- Smart Manufacturing and Industry 4.0
- Energy and Sustainability
- Multiscale Manufacturing
- Solid Mechanics and Design
- Processing of Novel Materials
- Vibration and Acoustics
- Fluid Thermal System Design
- Robotics and Mobility Systems
- Multiphase Flows
- Aerodynamics

Department of Metallurgical and Materials Engineering
Head of the Department - Ravi K. R.

The Department of Metallurgical and Materials Engineering at IIT Jodhpur was established in 2017, and the Department is committed to high-quality education and research in the broad area of Materials Engineering. The Department continuously strives for excellence in teaching and research through innovative pedagogy and curriculum, by undertaking interdisciplinary projects, and through active collaborations with industries, R&D labs, and academia. By enabling the students to think independently and equipping them with relevant skill sets, our goal is to encourage the

graduates to innovate and address present-day materials challenges to meet the needs of the country.

At present, the Department offers M.Tech., M.Tech.-Ph.D. dual degree, and Ph.D. programs. The Department's teaching and research activities cover four major streams- structural materials, functional materials, computational materials engineering, and process metallurgy. From structural materials to semiconductors, we attempt to understand the processing, composition and structure, properties, and performance of materials for deriving novel, effective, and sustainable alternatives. Currently, efforts are being made to introduce advanced concepts such as smart materials, additive manufacturing, artificial intelligence and machine learning, sensor materials, etc. as a part of solving interdisciplinary problems requiring Materials Engineering knowledge.

Department of Physics
Head of the Department - Ambesh Dixit

The subject of Physics is inherently a natural science subject based on strong theoretical foundations and experimental findings. The subject closely intersects with almost all the branches of engineering and the current research activities of physics across the world made a huge impact on new, advanced, and emerging technologies. Keeping these facts into consideration, our Department is committed to imparting high-quality education based on a strong academic curriculum comprising elements of theoretical concepts, laboratory experiments, and most importantly hands-on experiments. The graduates of the Department are expected to have deep insight into the domain of Physics together with a strong bent of mind to pursue cutting-edge research and translate it into technology.

We offer a broad range of undergraduate and postgraduate programs. Our 4 Year BS in Physics with specialization is a technology-oriented science program and offers specialization in physics-based emerging technology domains. The program also has the flexibility to convert into a 5 Year BS +

M.Tech. dual degree course. At the postgraduate level, we have four-degree programs viz. M.Sc. (2 years), M.Sc.-M.Tech Dual Degree in Physics and Materials Engineering. The dual degree program also has additional two specializations namely Functional Materials and Computational Materials Engineering. Finally, our Ph.D. program empowers scholars to pursue research in various domains.

Research Areas

The department has a very good blend of highly qualified young and experienced faculty members in the areas of advanced physics. The department is also equipped with a number of thematic laboratories which enable the students to carry out high-end and impactful theoretical and applied research in the following focus areas:
- Quantum Physics
- Condensed Matter and Plasma Physics
- Optics and Photonics
- High Energy Physics and Astrophysics

SCHOOLS IN IIT JODHPUR

School of Management & Entrepreneurship - IIT Jodhpur

ABOUT

The School of Management and Entrepreneurship (SME) at Indian Institute of Technology (IIT) Jodhpur is a dynamic and forward-thinking school that offers a distinctive blend of technology-driven management education.

Established with the aim of integrating technological advancements into the world of business, SME is designed to equip students with the skills needed to navigate the rapidly changing business landscape. At the heart of SME IIT Jodhpur is a strong emphasis on interdisciplinary education, combining the best of both management and technology. The school offers a unique MBA Technology program that goes beyond traditional business education by incorporating a deep understanding of modern technologies such as artificial intelligence (AI), data science, blockchain, and digital transformation. This approach ensures that students are well-prepared to face the challenges of a business world increasingly shaped by technological disruptions. The MBA curriculum covers essential management subjects such as operations, marketing, strategy, finance, entrepreneurship, and human resources, while simultaneously introducing students to cutting-edge technological concepts and their applications in business.

One of the unique aspects of the SME is its focus on practical, project-based learning. We encourages students to work on real-world problems, engaging with live projects, case studies, and industry collaborations to apply their knowledge. This hands-on approach not only helps in developing critical thinking skills but also prepares students for the complex problem-solving tasks they will encounter in their professional careers. The experiential learning process is further enhanced by opportunities to collaborate with industry leaders, ensuring that students are attuned to the latest trends and challenges in the business world. The school places a strong emphasis on innovation and entrepreneurship, recognizing the growing importance of these areas in today's economy. SME IIT Jodhpur provides students with various platforms to develop their entrepreneurial ideas, including access to incubators, innovation labs, and mentorship from experienced entrepreneurs and industry professionals. By providing the necessary resources and guidance, SME helps budding entrepreneurs transform their ideas into viable business ventures.

The faculty at SME IIT Jodhpur consists of experienced professionals and academics with a strong background in both teaching and industry practice.

Faculty members at the school are involved in cutting-edge research in areas like digital transformation, innovation ecosystems, human capital management, neuro-marketing, and entrepreneurship in social and community settings. The faculty's diverse experience allows them to bring fresh perspectives into the classroom, while their ongoing research keeps them at the forefront of current business trends and technological advancements.

By combining core management principles with a strong focus on technology and innovation, SME prepares its students to become leaders in the evolving business world. The emphasis on experiential learning, entrepreneurship, and interdisciplinary research makes SME an ideal destination for those looking to excel in fields where technology, business, and society intersect. With a commitment to shaping future leaders who are not only proficient in management but also driven by innovation and ethical leadership, SME IIT Jodhpur is establishing itself as a premier school in the realm of business education in India.

LIST OF PROGRAMS OFFERED

1. MBA & MBA - TECHNOLOGY
2. MBA in FinTech & Cybersecurity
4. Dual Degree
5. Minor Program
6. PHD
7. EXECUTIVE PROGRAM

THE DIFFERENTIATION & UNIQUE FEATURES

IITJ is comparable to MIT and Sloan School of Management within MIT premises, which co-existed for a long time, has been guiding the entire world via high quality research and also producing deserving business leaders. There is no similar example in India so far. With such a clarity and focus, IIT Jodhpur's School of Management and Entrepreneurship (SME) is

venturing to create a similar structure in establishing a strong management school with the advantages of a supportive technical environment.

THE IITJ ADVANTAGE

IIT Jodhpur has several advantages to venture into management education. Competency on diverse technology disciplines, a most sought after UG programs around STEM, increasing faculty size, a vibrant research culture, a strong doctoral program – all with a globally respectable brand.

Technology feeds Management, which in turn feeds Technology. Hence, IITs are more relevant today to respond to need of emerging corporations in the wake of industry 4.0. We need to visualize and leverage this to respond to current realities of modern society and challenges industry is facing. Two things are vital here-new knowledge and people ready with the same. What would differentiate a management graduate in today's world? Business leaders of future corporations would be differentiated by certain qualities – they are those who

1. Understand the nuances of emerging technologies
2. Can foresee the role of technologies in defining the business of future
3. Understand and thrive in diverse cultural settings
4. Develop ability to work and lead teams
5. Possess strong personal belief in ethical practices
6. Display a sensitive person and responsible corporate citizen

IIT Jodhpur's School of Management and Entrepreneurship (SME) is venturing into management education with a proposition to inculcate all the above qualities via various programs – Regular MBA, MBA-Technology, Minor Programs, Doctoral Programs, International Programs, Leadership Programs and Executive Programs. The school offers programs for aspiring entrepreneurs and guide them through incubation and further

commercialization. It is positioned to feed the state of Rajasthan in designing policies, projects and capacity building.

THE SME ADVANTAGE

The new school is also going to have several distinguishing features that would differentiate it from the rest.

School with Adequate Autonomy: In IIT system, established academic units are mostly departments which, by statute, are dependent models. That means they receive government grants and survive on the same. This school, unlike departments, is being conceived as an entity enjoying adequate financial and academic autonomy. Autonomy is bedrock of high performance and with this belief SME will be run notionally as a profit centre with appreciable corpus in due course of time. Academic freedom would include a choice of designing course, offering programs, collaborate with reputed business school, and recruit faculty from practice world or from international places.

Value Proposition: Variety of academic programs suited to seeker-stakeholders (regular, working professional, international students, public sector and policy officers); partial to full engagement with corporate world in dealing with business opportunities and challenges; strategy papers and a directed research to feed national programs; nurturing international partnership and address global issues; engage with local community; become resources rich.

International Accreditation: The three most-coveted, international accreditations for Business Schools are AACSB, AMBA, and EQUIS. They evaluate the standards of a business school's teaching, faculty, services, and students, among other things. Among the three, AACSB is the most popular and adopted by Business Schools of high repute viz. Harvard

Business School. School aim to acquire AACSB accreditation. SME aims to achieve the same in the next 5 years.

Corporate Centric Culture: The school to have all possible corporate avenue i.e. faculty from practice world, access to live projects, leadership lectures, regular workshop on emerging issues etc. Industry connect programs are also regularly organized.

Innovation and Entrepreneurship: SME is plugged into IITJ led centres of innovation and incubators such as iHUB Drishti. SME also envisages offering a variety of programs viz. a Basecamp Training program for budding entrepreneurs, Minor Area program for Undergraduate students, build content and network of national and international experts in Entrepreneurship, conduct actionable research, build strategic alliances to advance the cause of entrepreneurship and support in incubation of start-up in the institute. It can eventually grow as an independent entity as big as to serve state level needs and subsequently as a national level resource centre on Entrepreneurship.

Management Development Program: Training programs are important source of revenue and connect with the practice world. It is imperative for a Business School to conduct Management Development, Executive Development, and Leadership Development Programs. Such programs should be designed with high industry relevance. School is adopting a new MDP policy with adequate freedom to the coordinator(s); establish MDP set up with adequate staffing; put in place structure of marketing and branding; internationalize MDP and make provision of higher overhead charges (25-30%) to IITJ where a part is sharable with the School.

Internationalization: Opportunity of growth lies into internationalization of the program. The school aims to create the types of business leaders with a broad vision, who understand the intricacies of the interconnectedness of the world and fulfil the dream of India as an aspiring nation. Efforts are made toward the global program, foreign faculty recruitment; campaign for

international student's enrolment; invite global faculty for teaching, and enhance global immersion program.

Deepen engagement with alumni: The success of schools is deeply connected to that of their graduates, who must first thrive within the confines of academia and then grow and develop in their organizations, thus giving back to their environment and their alma-mater. School alumni bring with them energy, respect for others, a thirst for discovery and the desire to contribute to their teams' well-being. The youth in them is positive that seeks to change the world and is guided by a real moral concern.

School of Artificial Intelligence and Data Science IIT JODHPUR

Vision
Advancing the field of AI and Data Sciences for good of humanity.

Mission
- To be at the fore-front of Artificial Intelligence and Data Science research in all dimensions: theoretical research, application directed research, and locally relevant research for meeting regional needs.
- To play a leading role in the delivery of Artificial Intelligence and Data Science education in formal and informal sectors at all levels.
- To become a globally coveted destination for Artificial Intelligence and Data Science technology development and entrepreneurship.

AI & DS Innovation Ecosystem

Initiating Industry-School-End user Partnerships

1. Research Partnerships: School will establish partnerships with industries (including MSME's) for working on an array of problems involving students and faculty. In effect, school can provide AI related research services to partner industries through an umbrella MoU as per IITJ norms.</p>
2. AI and Data Analytics as a service framework: School in collaboration with appropriate partners can develop and host advanced AI and Data Analytics Services on Cloud for industry/End users not working in core AI or DS domain. School can also manage "Data Factories" for servicing needs of industries from India and other countries.
3. Executing consultancy and sponsored research projects funded by industry or line ministries.

Promote AI and DS based entrepreneurship

1. School will work closely with UG students from their initial years to promote entrepreneurial thinking.
2. Motivate and guide undergraduate students for AI and DS driven initiatives for Entrepreneurship minor.
3. Run AI and DS based hackathons.
4. Conduct Entrepreneurship/Innovation Clinics for Ph.D students to promote deep tech start-ups through possible translation of their work.
5. Mentor students for pre-incubation and incubation of student driven start-ups.
6. Create enabling mechanisms for promoting faculty led start-ups.
7. Start post-graduate programme in Entreprenurial fellowship.
8. Run accelerator programmes for start-up.

Hosting and Managing Technology Innovation Hubs

Technology innovation hubs are composite research, translation and innovation ecosystems operated as a section 8 company which provides for:

1. Coordinated technology development through collaboration with global AI and DS intellectual resources.
2. A translational research pipeline for conversion of knowhows into commercializable technologies.
3. Support to start-up's in the TBI.

School must take initiatives for creation of TIH's as a special purpose vehicle by integrating support of multiple interested agencies to take forward the agenda of translating technology from lab to the field.

School is expected to have a symbiotic relationship with TIH for enabling students to work on problems of interest of TIH and providing translational pathways for technologies being developed in the school.

AI standards and Regulatory Framework

School will support the following activities:
1. Creating a research group to work on AI standards and Regulatory Framework
   Technical standards for AI covers many issues like safety, security, accuracy, usability, interoperability and reliability of the model and data. Flexible and robust technical standards for AI are critical to the successful development and deployment of the technology. This group can work with national and international bodies to generate and implement:
   1. guidelines for the design of AI systems to ensure that they can be easily integrated with other technologies, utilize best practices for security and safety, and adhere to technical specifications that maximize their utility; and
   2. common standards which can serve as mechanisms to evaluate and compare AI systems
2. Creating a research group for working on Intellectual Property Rights of AI and DS based technologies
   The growth of AI across a range of technical fields raises a number of policy questions with respect to IP. These questions include: whether the existing IP system needs to be modified to provide balanced protection for machine created works and inventions, AI itself and the data.

3. Creating a research group for working on Ethical issues of AI
   World economic forum identifies following ethical questions related to AI
   1. Unemployment. What happens as jobs disappear with introduction of AI?
   2. Inequality. How do we distribute the wealth created by machines?
   3. Humanity. How do machines affect our behaviour and interaction?
   4. Artificial stupidity. How can we guard against mistakes?
   5. Bias: How do we eliminate AI bias?
   6. Security. How do we keep AI safe from adversaries?
   7. Evil genies: How do we protect against unintended consequences?
   8. Singularity. How do we stay in control of a complex intelligent system?
   9. Robot rights. How do we define the humane treatment of AI?

We need to address these issues for analysing and assessing long term perspectives of AI and DS driven technology development.

Administration

School Faculty Board

- Chairperson: Director of the Institute
- Head of School: Prof. Anil Kumar Tiwari
- Convenor of School: Dr. Shilpa Dang
- Members: All core/joint faculty members

School Post Graduate Committee

- Convenor for ScPGC: Dr. Dipanjan Roy
- Members for ScPGC: Dr. Bikash Santra, Dr. Abhinaba Lahiri, Dr. Saurabh Gandhi, Dr. Manish Agarwal, Prof. Mitali Mukerji, Dr. P Ravi Prakash

School Online Education Committee

- Convenor for ScOEC: Dr. Amit Bhardwaj
- Members for ScOEC: Dr. Dip Sankar Banerjee, Dr. Puneet Sharma, Dr. Srivatsa Srinivas S, Dr. Vignesh Muralidharan, Dr. Bhivraj Suthar

Website Coordinators

- Dr. Bikash Santra
- Dr. Saurabh Gandhi

Social Media Coordinators

- LinkedIn: Dr. Bikash Santra and Dr. Saurabh Gandhi
- Facebook: Dr. Dweepobotee Brahma
- Twitter: Dr. Dweepobotee Brahma

FAQS

Admissions FAQs

When can I apply for a particular program?

- Applications follow the academic cycle, with one round in May-June (for program start in August) and another in November-December (for program start in January). Please see the Admissions page under Join Us for more details.

What is the eligibility for Ph.D. admission?

- *Candidates must have a master's degree in engineering, science, humanities, social sciences, or equivalent with at least 60% marks or a 6.0/10 CGPA. Certain professional qualifications (e.g., MBBS with MD) are also accepted*

What is the difference between full-time and part-time Ph.D. programs?

- Full-time students dedicate all their time to research, while part-time students are working professionals, often employed by external organizations, and are required to attend the program with limited credits

Academics FAQs

What is Research Proposal?

- A research proposal, in the context of IIT Jodhpur's postgraduate program, is a report and presentation prepared by Ph.D. or M.Tech.-Ph.D. students after completing the State of Art Seminar (SOTA). The proposal outlines the chosen research topic and its objectives, presenting the foundational work for the thesis. It must include research

work equivalent to 16 credits and is evaluated by the Student Research Committee (SRC), which allocates a letter grade based on the performance. Successfully completing the research proposal defense is a key step toward becoming a Ph.D. candidate

What is Teaching Assistantship ?

- A Teaching Assistantship (TA) is a form of financial assistance provided to eligible M.Tech. and Ph.D. students at IIT Jodhpur. In exchange for this financial aid, students are required to assist faculty members with teaching-related activities such as conducting tutorials, grading assignments, and helping in labs. The assistantship also serves as a professional development opportunity for students, providing teaching experience while they pursue their studies. For the continuation of the assistantship, M.Tech. students must maintain a minimum CGPA of 6.0, and Ph.D. students must maintain a CGPA of 6.5

What is the minimum and maximum duration to complete the M.S. by Research program?
- A full-time M.S. by Research student can complete the program between 2 years (minimum) to 4 years (maximum). A part-time student can complete the program between 3 years (minimum) to 5 years (maximum)

What is the credit requirement for M.S. by Research students?

- Students need to complete 24 credits through coursework and 36 credits through research

How many credits can a student register for in a semester?
- Full-time students can register for a maximum of 16 credits and a minimum of 6 credits. Part-time students can register for 12 to 3 credits per semester

Can M.S. by Research students change their program to a Ph.D.?
- The M.S. by Research Degree can be upgraded to Ph.D. based on the CGPA (>7.5) and progress of the student after 3 Semesters for regular students; however, transition will require continuation of the same work and the student has to satisfy regular PhD requirements. All conditions of Ph.D. degree program will be applicable to all such students. All such changes of registration shall be reported to the Senate.

What is the comprehensive examination?

- The comprehensive exam tests the student's general and specific knowledge in their research field. It includes written tests, and students have two chances to pass

How many credits are required for a Ph.D.?

- Ph.D. students must complete a minimum of 12 to 24 credits through coursework and 48 credits through thesis work, depending on their prior qualifications

What is the comprehensive examination?

- The comprehensive exam tests the student's general and specific knowledge in their research field. It includes written tests, and students have two chances to pass

What is the primary focus of the M.Tech. programme in AR & VR?

- The M.Tech. programme in AR & VR focuses on providing students with interdisciplinary knowledge and practical skills required to design, implement, and evaluate Augmented Reality and Virtual Reality applications. It covers core concepts in graphics, immersive experiences, content creation, and the development of next-generation AR/VR systems for various industries.

What is the Leave Policy for M.Tech. ,M.S. by Research and Ph.D. Students at IIT Jodhpur?

- In an academic year, a maximum of 30 days may be taken, including absence for medical reasons and the mid-semester break. Although the student is permitted to register for leave during the mid-semester break or the summer/winter term, they must do so in advance. PhD and M.S. by Research

students are prohibited from taking more than 15 days of absence at a time. It is prohibited for an M.Tech./M.Sc. student to take leave for more than 10 consecutive days. For exceptional circumstances, DRC may grant leave beyond 30 days in an academic year without an assistantship during that time.

Funding FAQs

Is there financial assistance available for M.S. by Research students?

- Financial assistantship/scholarship will be provided to the eligible students admitted under regular full-time program. The regular M.S. by Research students would get fellowship/assistantship up to a maximum of 2 years as JRF starting from the date of registration. In exceptional cases, the fellowship can be extended to a maximum of one more year depending on the work done and the recommendations of the supervisor and SRC.

School of Liberal Arts

Vision

The vision of the School of Liberal Arts is to emerge as a forerunner in Liberal Arts education. We believe in a novel, open, futuristic, trans-disciplinary, and inclusive liberal humanist approach, that not only engages with the human, the non-human, and the planetary, but also recognizes and

amplifies the diverse possibilities and potentials of human-technology interfaces as both agents and sites for social change' (SoLA Vision Document, Annexure 1, pg. 17). The SoLA will have a broader vision, seeking to break the silos created by disciplinary boundaries and reimagining the educational structure. Through an open approach it will strive to equip and enable students for the challenge of the future, while turning them into global citizens and able thinkers with an awareness of the needs and demands of contemporary society.

The goals of SoLA will include:

1. To engage in foundational as well as socially relevant and benevolent research in the areas of Liberal Arts, to aid and guide the technologies developed to bring solutions for constructive

2. changes in society and human life.

3. To contribute towards nation-building.

4. To enable and equip students to contribute to future societal needs.

5. To formulate a sustainable financial plan that may create value for the organization.

Mission

The SoLA at IIT Jodhpur has been founded on the principles that quality education in the Liberal Arts is a primary requisite for solving the multidimensional challenges that our current and future generations face. In operationalizing this core principle, the research, pedagogy, and outreach at the SoLA will be life-cantered with a particular emphasis on recognizing and amplifying disciplinary intersections in the Creative Arts, Humanities, Social Sciences, Natural Sciences and Technologies. To achieve this goal, the SoLA will have the following objectives:

1. To promote holistic and experiential learning for students facilitated by educational technologies and pedagogies which help in developing creative and experimental aesthetics through collective imagination.

2. To collaborate with stakeholders in addressing societal and environmental concerns through high quality, socially beneficial, foundational, and impactful solutions via an adoption of a

transdisciplinary approach.

3. To create a distinctive research ecosystem that will significantly inform novel teaching programs in emerging inter and transdisciplinary areas that remain considerably underexplored in the arena of Indian Humanities and Social Sciences.

MESSAGE FROM HEAD

The School of Liberal Arts (SoLA) at IIT Jodhpur, established in 2022, evolved from the Department of Humanities and Social Sciences (HSS), which had its inception in the year 2015. This is a critical milestone for a young department and represents our consistent improvement in academics and research. In accordance with the future-driven vision of IIT Jodhpur, the change in name signifies a change in orientation. The newly established School promotes the idea of transformation by breaking the traditional silos, and through multidisciplinary, transdisciplinary and interdisciplinary means, making an active intervention that will strengthen the existing research ecosystem of the institute.

Through the courses and programs offered by our School, we encourage students to become professionals whose practice and research bridge the gaps between the humanistic, the social, the environmental, and the technological domains. SoLA's flagship program is the two-year MSc in Computational Social Sciences (CSS) with a specialization

in two tracks – Computational Economics and Computational Sociology. To promote a more nuanced dialogue between STEM and social sciences, the school also offers interdisciplinary cross-institute courses for engineering students at undergraduate, graduate and doctoral levels. The faculty of our school are distinguished academics, with rich intellectual capital who combine academic excellence with pedagogical innovations that represent their dedication and commitment to the vision of the School and IIT Jodhpur.

I invite you to learn more about our School and to be part of our journey as we foster humanitarian values, diversity, inclusiveness, a passion for learning and building a culture of excellence in education and research.

COURSES OFFERED

The School of Liberal Arts offers a number of courses for undergraduate students.
I.Compulsory Non-Graded Courses for BTech Students
1. Professional Communication I and II for all first-year B.Tech. programmes
2. Professional Ethics I and II for all B.Tech. programmes
3. Social Connect and Responsibility I and II (co-taught by faculty members from SoLA with other Departments)

II. Preparatory Courses
The faculty members of the English group also teach the following:
1. Preparatory English I
2. Preparatory English II

III. Streamwise List of Bouquet Courses
The School offers a diversity of courses from various social science and humanities disciplines for BTech students from their IV to VII semesters. The multiplicity and variety of courses offered are evident from the table below.

Bouquet 1: Language, Literary Cultural,Film and Media Studies (Semester IV)	1. Short Stories from around the world 2. Regional Literature in Translation 3. Creative Writing 4. Postcolonial Fiction 5. Short Fiction from India 6. Science Fiction 7. Introduction to Theatre 8. Short Fictions from South Asian Diaspora 9. Classic Detective Fiction
Bouquet 2: Sociology, History and Political Science (Semester V)	1. Introduction to Sociology 2. Digital Society 3. Urban Sociology 4. Indian Society: A Sociological Introduction 5. Youth Studies 6. Law and Society 7. Sociology of Work and Industry 8. Development and Environment 9. Social Stratification
Bouquet 3: Economics (Semester VI)	1. Microeconomics -1(AIDE-CMCE) 2. Microeconomics -2(AIDE-CMCE) 3. Health Economics 4. Industrial Organization 5. Health and Development 6. Indian Economic Development and Policy 7. Political and Institutional Economics of Development 8. Foundations and Finance 9.Individual and Strategic Decision Making (AIDE-CMCE) 10. Social and Economic Networks (AIDE-CMCE) 11. Behavioral Economics and Decision Theory (AIDE-CMCE)

Bouquet 4: Philosophy, Policy and Governance (Semester VII)	1. Introduction to Philosophy 2. Fundamentals of Logic 3. Critical Thinking 4. Cognitive Semantics 5. Philosophical Problems 6. Introduction to Indian Philosophy 7. Theories of Justice 8. Gandhian Thought 9. Role of Technology in Development 10. Disasters, Risk Reduction and Management 11. Political and Cultural Ecology

Postgraduate Program

MASTERS IN COMPUTATIONAL SOCIAL SCIENCE (MSc. CSS)

The Masters in Computational Social Science (MSc. CSS), which commenced in July 2022, is the flagship program of the School of Liberal Arts (SoLA), Indian Institute of Technology (IIT) Jodhpur. The program seeks to develop highly-skilled graduates equipped with theoretical, technical, and application-oriented knowledge that will enable them to construct, improve, analyze and apply theoretically-informed models to understand processes and phenomena. Bridging disciplines and technical expertise, this program is also in line with the National Education Policy (2020), and also with the Government of India's Vision 2047 which seeks future skill sets for a future society.

Program Description: In the first year, students are exposed to introductory papers in the intersection of social science and computational methods (including Statistics, Programming in R, Machine Learning, Data Visualization etc.). These are aimed at preparing students to undertake tasks in data analytics and to derive insights.

1. Fundamentals of CSS

2. Social Science Research Methods I

3. Perspectives in Computational Sociology

4. Understanding Social Realities

5. Principles of Macroeconomics

6. Ethics for CSS

7. Seminar in CSS

8. Introduction to Computational Methods for CSS

9. Social Science Research Methods II

10. Introduction to Policy Analysis

11. Individual and Strategic Decision Making: Theory and Applications

12. Microeconomics I

13. Machine Learning

14. Peer Learning: Preparation for Project

In their second year, students will be able to specialize in: (1) Computational Sociology (2). Mathematical and Computational Economics [or] (3) A Guided Curated Option for those who

would like to opt for courses from both streams.The final semester of the course requires students to undertake a compulsory project at a relevant business / company / industry; or, at an academic organization.

DOCTORAL PROGRAM

Students who are part of the PhD program are enabled to take a diversity of elective courses in the following disciplines, Philosophy, Economics, Sociology, Psychology, Literature, Linguistics and Cultural/Film Studies.

Philosophy

Courses
History and Philosophy of Science
Foundations of Sustainability
Climate Change and Society
Bioethics
Aesthetics
Consciousness
Philosophy of Mind
Language and Cognition

Twentieth century Analytic Philosophy

Ethical Theories and Moral Practices

Economics

Industrial Organization

Social and Economic Networks

Health, Policy Systems and Financing

Global Health

Indian Economic Development and Policy

Political and Institutional Economics of Development

Behavioral Economics and Decision Theory

Principles of Macroeconomics

Economic Challenges and Data-driven Approach

Psychology

Principles of Psychology (OE)

Basics of Leadership (OE)

Life and Professional Skill Development (OE)
Positive Psychology and Wellbeing (OE)
Theories of Intelligence (CBSA, AIDE) (OE)
Advance Cognitive Processes ((CBSA, AIDE)) (OE)
Engineering Psychology (OE)
Cognitive Psychology (OE)
Introduction to Cognitive Neuroscience (OE)
Qualitative and Quantitative Methodology
Mental Illness and Mental Health
Biases and Human Decision Making

Sociology

Sociology of Science and Technology
Poltics of Water Governace
Gender and Society
Climate change and Society

Globalization and culture
Understanding Social Realities
Perspectives in Computational Sociology
Sociology in the Digital era
New Forms of Socialization
Sociology of Media
Work and Modern Organizations
Political Anthropology in the Digital era
Video Games and Society
Commodities in the Digital Era

Literature, Linguistics and Cultural/Film Studies

Popular classics
Introduction to Film Studies
Dalit Movement and Literature
Cine-politics under the National emergency

Introduction to Editing and Publishing

Indian Cinemas: Many Histories

Introduction to Literatures from India's Northeast

Introduction to Contemporary Arts

Introduction to Performance Studies

Modern Indian Theatre

Asian American Literature

World Literature and Global Cinema

Network Cultures

Masculinities in/and the Global South

Energy Humanities

Introduction to Cultural Studies

Consumer Culture and Commodities

Nature Writings in American Literature

SCHOOL OF DESIGN IIT JODHPUR

About

The School of Design at the Indian Institute of Technology (IIT) Jodhpur welcomes you into its esteemed community of creative minds and problem solvers. While you embark on this creative journey, prepare to engage in dynamic discourse, challenge paradigms, and collaborate with faculty and peers, forging new frontiers in design and its application.

We have been inspired by a collective vision to establish a school that goes beyond conventional problem-solving through design, fostering a culture of innovation, sustainability, and consultancy. We aim to create an ecosystem where creativity converges with purpose, giving rise to groundbreaking design solutions that address contemporary challenges.

Academic Programs

The School of Design at IIT Jodhpur offers a first-of-its-kind program in any IIT, the MDes in XR Design will address the growing need of the industry to create useful, engaging, and socially relevant experiences

that extend the real world or live entirely in the virtual, in areas such as healthcare, entertainment, and education.

XR Design Program: Immerse yourself in the intersection of imagination, technology, and impact with the Extended Reality (XR) Design program at IIT Jodhpur. This cutting-edge program prepares you to become a pioneer in the dynamic world of Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR) design. Dive into crafting immersive experiences that push the boundaries of user engagement and address real-world challenges.

The MDes in XR Design program's curriculum focuses on hands-on learning, equipping students with:

Technical mastery: Gain expertise in VR/AR/MR design and development tools, 3D modelling and animation, user interface design, and more.
Design thinking: Develop the skills to empathize with users, identify needs, and iterate on innovative solutions.
Storytelling and narrative design: Craft captivating narratives that resonate with audiences and leave a lasting impact.
Collaborative spirit: Work alongside peers and faculty, including prominent XR figures, to bring your ideas to life through collaborative projects.
Discover the boundless potential of XR Design. From creating virtual training simulations to designing interactive art installations and revolutionizing retail with AR experiences, the opportunities are vast. XR Design extends beyond technology; it involves understanding its profound human impact. Through our program, you'll learn to navigate ethical considerations, champion accessibility, and empower users from diverse backgrounds, ensuring meaningful engagement and lasting impact.

Embark on this transformative journey and become a visionary leader in the burgeoning world of XR Design. School of Design at IIT Jodhpur awaits your creativity and passion to shape the future of immersive experiences.

Programs offered by IITJ

List of Academic Programs		
Academic Programs		**Starting Year**
1. Bachelor of Technology		
1	Computer Science & Engineering	Started in 2008
2	Electrical Engineering	Started in 2008
3	Mechanical Engineering	Started in 2008
4	Bioengineering	Started in 2017
5	Materials Engineering	Started from AY 2020-21
6	Chemical Engineering	
7	Civil and Infrastructure Engineering	
8	Artificial Intelligence and Data Science	
2. Bachelor of Science		
1	Chemistry with Specialization	Started from 2022-23
2	Physics with Specialization	
3. BSc-BEd Integrated Teacher Education Program (ITEP)		
1	with BSc Major in Physics, Chemistry, and Mathematics	Starting in 2024-25
4. Master of Science		

1	Chemistry	Started in 2015
2	Mathematics	Started in 2015
3	Physics	Started in 2015
4	Digital Humanities	Started from AY 2020-21
5	Computational Social Science	Started from AY 2022-23

5. M.Sc. - M.Tech. Dual Degree

1	Data and Computational Sciences	Started in 2019
2	M.Sc. in Physics and M.Tech. in Materials Engineering	Started from AY 2020-21

6. Master of Technology

1	Bioscience and Bioengineering	Started in 2017
2	Computer Science and Engineering	Started in 2018
3	Artificial Intelligence	Started in 2019
4	Cyber Physical System	Started in 2019
5	Sensors and Internet of Things	Started in 2019
6	Advanced Manufacturing and Design	Started in 2019
7	Data and Computational Sciences	Started in 2019
8	Thermofluids Engineering	Started in 2019
9	Materials Engineering	Name Metallurgical and Materials Engineering changed to Materials Engineering July 2020 (Started in 2018)
10	Chemical Engineering	Started from AY 2020-21
11	Infrastructure Engineering with specialization in Environmental Engineering	
12	Infrastructure Engineering with specialization in Energy	
13	Intelligent Communication System	Started from AY 2022-23
14	Robotics and Mobility Systems	
15	Intelligent VLSI Systems	Started in July 2023

7. Executive M.Tech.		
1	Artificial Intelligence	Started from year January 2020
2	Data and Computational Sciences	Started from year October 2021
3	Intelligent VLSI Systems	Started from year AY 2022-23
4	Augmented Reality and Virtual Reality (AR & VR)	
5	Robotics and Mobility Systems	

8. M.Tech.-Ph.D. Dual Degree		
1	Sensors and Internet of Things	Started in 2019
2	Cyber Physical System	Started in 2019
3	Communication and Signal Processing	Started in 2019
4	Thermofluids Engineering	Started in 2019
5	Advanced Manufacturing	Started in 2019
6	Mechanical Design	Started in 2019
7	Materials Engineering	Name Metallurgical and Materials Engineering changed to Materials Engineering July 2020 (Started in 2018)
8	Computer Science and Engineering	Started in 2019
9	Artificial Intelligence	Started in 2019
10	Data and Computational Sciences	Started in 2019
11	Bioscience and Bioengineering	Started in 2019
12	Chemical Engineering	Started from AY 2020-21
13	Infrastructure Engineering with specialization in Environmental Engineering	
14	Infrastructure Engineering with specialization in Energy	
15	Intelligent Communication System	Started from AY 2022-23
16	Intelligent VLSI Systems	Started in July 2023

9. Doctor of Philosophy		
1	Chemistry	Started in 2014
2	Mathematics	Started in 2014
3	Physics	Started in 2014
4	Humanities & Social Sciences	Started in 2014
5	Biosciences and Bioengineering	Started in 2014
6	Computer Science & Engineering	Started in 2014
7	Electrical Engineering	Started in 2014
8	Mechanical Engineering	Started in 2014
9	Metallurgical & Materials Engineering	Started in 2018
10	Chemical Engineering	Started from AY 2020-21
11	Civil and Infrastructure Engineering	
12	Medical Technologies	
13	Management and Entrepreneurship	
14	Artificial Intelligence and Data Science	Started in 2021
10. Interdisciplinary Ph.D.		
1	Digital Humanities	Started in 2019
2	Internet of things & Applications	Started in 2019
3	Smart Health Care	Started in 2019
4	Space Science and Technology	Started in 2019
5	Robotics and Mobility Systems	Started in 2019
6	Quantum Information and Computation	Started in 2019
11. School of Management and Enterpreneurship		
1	MBA	Started from AY 2020-21
12. Masters and Ph.D. Dual Degree		
1	Medical Technologies	Started from AY 2020-21
13. Masters Programs		
1	Masters in Medical Technologies	Started from AY 2020-21

14. Postgraduate Diploma			
1	Data Engineering and Cloud Computing		Started from AY 2022-23
Following Programmes have been discontinued			
B.Tech.			
1		Systems Sciences (SS)	Started in 2011 discontinued in July 2015
2		Biologically Inspired System Science (BISS)	Started in 2013 discontinued in July 2015
M.Tech.			
1		Center of ICT	Started in 2011 discontinued in July 2015
2		Center of SS	
3		Center of Energy	
4		Mechanical Engineering	Started in 2015 dicontinued in July 2019
5		Electrical Engineering	
Ph.D.			
1		Center of Energy	Started in 2010 dicontinued in July 2015
2		Center of SS	Started in 2011 dicontinued in July 2015
3		Center of ICT	Started in 2012 dicontinued in July 2015
4		BISS	Started in 2013 dicontinued in July 2015

Young Innovator Program

The Young Innovator Program (YIP) of the Indian Institute of Technology Jodhpur provides a platform to the engineering students at the end of their **second year** to engage in **innovative engineering** projects with faculty members of IIT Jodhpur during the summer. The departments at IITJ accepting YIP students are: Department of Bioscience & Bioengineering, Department of Computer Science & Engineering, Department of Electrical Engineering and Department of Mechanical Engineering.

Eligibility
Students must have completed their IIIrd Semester of B.E., B.Tech., B.Tech.-M.Tech. Dual Degree with academic performance of at least 65% or a 7.0 CPI/CGPA on a 10 point scale.

Tenure
The proposed duration for the program is minimum six weeks and maximum of eight weeks during the summer vacation at IIT Jodhpur. The start date is 15 May 2019 and selected candidates are expected to report with necessary documents. A delay of 2-3 days for exceptional reasons such as exams, will be admissible and should be communicated in advance. Selected students have to stay on the IITJ campus for a minimum period of six weeks for being eligible to receive the certificate.

Accommodation
Selected participants will be provided with boarding and lodging in the campus on payment of charges as per the Institute rules (approximately Rs. 1200 per week).

Stipend
Financial assistance of Rs. 2,000 per week will provided to few of the selected students based on the recommendation of the YIP selection committee.

Instructions to Apply
Application Portal: Interested students can apply online at: https://oa.iitj.ac.in/YIP
Applicants are advised to visit the webpages of faculty members of IIT Jodhpur to get familiar with their research areas and contact them before applying. They must provide a project proposal (in pdf format) and indicate the name of the faculty member of IIT Jodhpur, with whom she/he is interested to work with.
Selected students need to submit a *No-Objection Certificate* from the HoD or Principal of his/her Institute/University at the time of joining YIP and must have their own health insurance valid for at least two months.

EXECUTIVE PROGRAMS AT IIT JODHPUR

PG Diploma and MTech* in Artificial Intelligence

B.Sc / B.S in Applied AI and Data Science

PG Diploma and M.Tech* in Data Engineering

RESOURCES AT IIT JODHPUR

LIBRARY

About Us

- Called S. R. Ranganathan Learning Hub, the library supports teaching and research activities of the Institute by facilitating acquisition, organisation and dissemination of knowledge resources, and by providing library & information services to IIT Jodhpur community.
- Situated prominently at the entrance of the academic area of the Institute, S. R. Ranganathan Learning Hub stands as the tallest structure on the campus, scaling over 15m from the ground, keeping time for the entire campus with a 4-way clock at the clock tower, which is only the third in the city of Jodhpur.
- The library has a rich and growing collection of books in print and electronic formats, in all subjects and domains of the academic programs and research carried out in the Institute. Besides

books, the library provides access to a wide range of journal resources, scientometric databases and writing support tools.
- Functioning under the guidance of the Library Committee, with members from all academic units of the Institute, and student representatives, the S. R. Ranganathan Learning Hub has an enthusiastic and innovative team of library and information professionals that take care of the day-to-day operations of the library, to keep the library running effectively.

COMPUTER CENTER

The Computer Center of the Indian Institute of Technology (IIT) Jodhpur stands as a testament to the institution's commitment to cutting-edge research, innovation, and technological development. As a pivotal hub for computing and information technology, the Computer Center has played a crucial role in shaping the academic landscape and the advancement of the institute. Since its inception, the Computer Center has undergone remarkable development and growth, aligning itself with advancements in the field of computing. Equipped with state-of-the-art infrastructure and a team of highly skilled professionals, the center has fostered an environment conducive to research and learning.

The Computer Center hosts a modern data center that is capable of hosting more than forty 42U server racks. That is, the data center has ample capacity to accommodate future growth and expansion. The data center is equipped with precision cooling systems that ensure optimal performance and reliability, and redundant power backups that guarantee uninterrupted operations. The data center already houses an array of virtualization clusters, which are used for all automation

(ERP, eOffice, etc.) needs at the institute. This cluster is powered by seven modern servers and a 250 TB storage system.

The Computer Center serves as an epicenter for academic and technical training programs. It enables its faculties to offer workshops, seminars, and training sessions on different technologies and tools. Further, the Computer Center engages students of IIT Jodhpur in challenging hands-on projects that provide exposure to different modern technologies at the data center. Through this initiative, the Computer Center established its OpenStack cluster and data center monitoring and tracking system. These initiatives not only enhance the knowledge and skills of students but also promote innovation.

In terms of its current status, the Computer Center of IIT Jodhpur continues to evolve and adapt to the changing technological landscape. It developed infrastructure to remain at the forefront of research and development, addressing challenges in areas such as artificial intelligence, data science, cybersecurity, and high-performance computing. Furthermore, the center places a strong emphasis on open-source software and promotes its usage across the institute. It encourages students and faculty members to use and contribute to the open-source community, fostering a culture of sharing and collaboration. The future vision for the Computer Center of IIT Jodhpur is to enhance its capabilities, such as upgradation of HPC and new software, are under procurement.

Centre for Research & Development of Scientific Instruments (CRDSI) Indian Institute of Technology Jodhpur

The state-of-the-art central instrumentation facility of IIT Jodhpur which was established in the year 2018 has been designated as the Centre for Research & Development of Scientific Instruments (CRDSI). The CRDSI has an endeavour to provide advanced scientific instrumentation service in the multidisciplinary field of research to the undergraduate, graduate, Ph.D students and the faculties of this esteemed institute as well as researcher from other institutes across the country. At present a total number of 93 high end instruments are under CRDSI facility. Currently, The space allotted for CRDSI facility (Room No. 111 & 112, ground floor, Chemistry building) houses 22 equipment including various sophisticated instruments such as 500 MHz NMR, Single Crystal XRD, Powder XRD, AFM, SEM, PPMS Dynacool, SQUID, Surface area analyzer, DSC, TGA etc. Rest of the equipment under CRDSI facility are located at various departments of the institute. The overall day to day activities and the policy of the centre is determined by a committee of faculty of this institute. The CRDSI committee appointed a faculty in charge for each of the instruments under the centre for smooth running and maintenance the equipment. Further, CRDSI facility at IIT Jodhpur imparts an opportunity towards its users for accessing various latest and advanced instruments persuasively via a transparent online booking portal. Thus CRDSI facility contributes its users significantly to publish their research findings in internationally peer reviewed journals. IITJ CRDSI facility welcomes external users from all national institutes and R & D organizations for accessing this facility on a minimal chargeable basis.

The Main objectives of CRDSI facility:

- Advanced scientific instrumentation service to researchers from both academic and industrial organizations.
- R & D for advanced scientific instrumentation.
- Technology development and innovation in the area of scientific instrumentation
- Encouraging start-ups for scientific instrumentation

OFFICE OF STUDENTS

Overview:

The Office of Students acts as a link between students, student facilities, faculty and the administration of IIT Jodhpur. The sole motive of the Office is to create an atmosphere that promotes personal and academic development of students by organizing various activities and programs and providing them necessary support, thereby enhancing the overall student experience during their tenure at IIT Jodhpur. The Office is headed by the Associate Dean (Students) and its activities are coordinated by Assistant Registrar (Students), Superintendent (Students), Project Staff and Officers.

Scope:

Since its inception, the Office of Students has been working extensively towards integration of activities by streamlining various processes. The core purviews of the Office of Students may be categorized under the following:-

1. Administration: The Office corresponds with the Ministries/Government agencies regarding various scholarships, workshops, events, conferences etc; disbursal of Teaching Assistantship, conducting orientation program for new students, issuance of various certificates namely Bonafide certificate, No Objection Certificate, Character Certificate etc.

2. Academics: The Office has launched two non-graded credit courses on "Social Connect & Responsibility" and "Performing Arts" from the academic year 2019-2020. The aim of launching these courses is to help the incoming students to connect socially and explore their potential that will in turn shape their overall personality

3. Student Activities: Student Activities that form a major domain under the Office range from but are not limited to, Gymkhana Activities, Counseling Services, Alumni Relations and Placements and Internships.

4. Outreach Programs: Various outreach programs are organized by the Office with the aim of creating awareness about various Government/Private schemes that can be benecial to the students. A few recent outreach programs to mention are; the CII workshop on Prime Minister's Fellowship for Doctoral Research and the visit & discussion with Mr. Naval Jit Kapoor, Joint Secretary, Ministry of Tribal Affairs regarding scholarship schemes and grievance redressal.

Responsibilities:

 The responsibilities of Office of Students include the following:-

    1.   Disbursement of Teaching Assistantship, providing guidance for students regarding various state and national level scholarships, fee remissions for SC/ ST/EWS students.

    2.   Effectuating various workshops, non-graded courses etc.

    3.   Coordinating and supervising student gymkhana activities under 7 different societies.

    4.   Enthusing students to conduct and participate in cultural events. Rendering Support to students in organizing various festivals like IGNUS, Varchas, Nimble, Spandan and various other cultural/literary events like SPICMACAY programs.

5.   Facilitating and overseeing Student Election process, and working with the Elected Students' Representatives on various issues concerning the students during their period of stay at IIT Jodhpur

6.   Managing student hostels and mess/dining facilities, and other amenities within the campus

7.   Guiding and preparing students for internships & placements. Organizing training programs to make the students employable and equip them with the skills essential to build a rewarding career for themselves.

8.   Constantly working towards students' wellbeing through counseling services and helping them to achieve higher levels of maturity and motivation

GENERAL FAQS IIT JODHPUR

Q.1 How do we reach the IIT Jodhpur campus from Jodhpur Airport/Railway Station/Bus Station?

A. IIT Jodhpur is located on the outskirts of the city of Jodhpur and is well connected to other parts of country by road, rail and air. The Institute is located on National Highway 65 at Karwar Village, about 24 km from the railway station and 25 km from the airport; it takes approximately 45 mins and 40 mins to drive from airport and railway station to the Institute, respectively.

1. It is connected by rail to major cities like Delhi, Mumbai, Kolkata, Chennai, Hyderabad, Kota, Kanpur, Ahmedabad, Indore, Bhopal, Jabalpur, Guwahati, Nagpur, Lucknow and Jaipur.

2. There are daily flights from Delhi and Mumbai to Jodhpur. Air India and Jet Airways operate the daily flight to each of these cities

3. Jodhpur is connected by mega-highway to major neighbouring cities, e.g., Jaipur, Jaisalmer, Udaipur and Ahmedabad. Deluxe and express buses ply to Jodhpur from Delhi, Jaipur, Ahmedabad and Vadodara.

Reaching IIT Jodhpur
(a). From Airport to Campus
You can take a prepaid auto/taxi to the Institute, which is situated on National Highway 65, Nagaur Road, Karwad. You may ask the driver to go past Mandore on Nagaur Road. This Campus is about 28 km away from the airport

(b). From Railway Station to Campus
At Jodhpur Junction Railway Station, exit from Platform No.1 side. You can take a prepaid auto/taxi to the Permanent Campus of IIT Jodhpur, which is situated on National Highway 65, Nagaur Road, Karwad. You may ask the driver to go past Mandore on Nagaur Road. The campus is about 26 km away from the Station.

Q.2 How developed is the IIT Jodhpur campus at Karwad?
A. The permanent campus is built on 852 acres of land located about 20 km away from the center of the city of Jodhpur on National Highway 65 towards Nagaur, N-NE from the center of Jodhpur. The Permanent Campus of the Institute is the first fully-planned technical institute campus in India. Our campus has different girls and boys hostels and a supermarket from where you can buy daily needs. It has a library and a lecture hall building where all the classes are held. There is a health centre and 24 hours ambulance service. There is a separate residential area and a sports area where all the sports activities are done. We have different segments for different departments.

Q.3 What are the good places to hang out in Jodhpur?
A. Jodhpur is a tourist hotspot and hence one never runs out of place to roam about in Jodhpur. To start with there is the majestical Mehrangarh fort which is around 28 km away from our campus. Then we have Jaswant Thada and Umed Bhawan Palace. We also have Balsamand and Kaylana lakes. We have bus service running between the Institute and various places in the City of Jodhpur at regular intervals.So you can go to the city and have fun!!

Q.4 How is the weather in IIT Jodhpur Campus like?
A. Jodhpur is known as the Sun City, for the bright and sunny weather it enjoys throughout the year. It experiences dry and hot, a typical desert weather. The average annual rainfall is approximately 32 cm. In summer, the temperatures range from a

maximum of around 42° C to a minimum of around 37° C. In winters, the maximum and minimum temperatures are around 27.5° C and 10° C respectively. But it rains in July. We advise you to carry an umbrella with you.

Q.5 Are there any wild animals in the IIT Jodhpur campus?
A. Snakes, scorpions, deer and other small creatures are spotted in the less traversed parts of the campus in the night. However students are provided safety against these creatures. Also each room is provided with a window net to avoid any small insects to get into the room through windows.

Q.6 What if I get lost in Campus?
A. Guards are there in every possible corner of the campus. They will help you if you get lost in the campus. Additionally, a road map of the campus will be provided.

Q.7 What kind of accommodation is available for the students?
A. Students will be allotted their hostel rooms as soon as they arrive at the campus on the reporting date itself and not before the reporting date. All the rooms will be airconditioned.

Q.8 Where will be the freshers be accommodated?
A. Freshers will be accommodated in the hostel buildings itself. More details on room allotment will be provided on the reporting date.

Q.9 What about once I reach? Will there be accommodation for my parents and me?
A. No accommodation will be provided to the parents. However the students will be staying in their hostel rooms that will be alloted to them as soon as report on the reporting date, not before then.

Q.10 Is accommodation/guest house available for parents in the Campus? If not, can you please provide a list of nearby hotel?
A. No accommodation/guest house is provided for parents in the campus. Here is the list of nearby hotels-

1. Mango Hotels Jodhpur Ratanada- (29 km from iit jodhpur)
   Address- Rajwara Palace, Opposite Government Veterinary Hospital, Ratanada Jodhpur,Ratanada, Jodhpur, Rajasthan 342001
   Contact- 0291 251 5242
2. Hotel Red Oak - (20 km from iit jodhpur)
   Address- Bikaner - Barmer Road, Near Over Bridge, Mandore, Jodhpur, Jodhpur, Rajasthan 342304
   Contact- 094144 10691
3. Chandra Inn- (30.1 km from iit jodhpur)
   Address- Airport Rd, Air Force Area, Air Force Area, Jodhpur, Rajasthan 342001
   Contact- 0291 267 0583
4. Hotel Residency Palace- (29.9 km from iit jodhpur)
   Address- Senapati Bhawan, Central Academy Road, near, Ratanada, Jodhpur, Rajasthan 342011
   Contact- 094133 25500
5. Lords Inn Jodhpur- (30.7 km from iit jodhpur)
   *Address-*Plot No 1 C, Pokharan Bungalow, PWD Circle, High Court Colony Road, Ratanada, Jodhpur, Rajasthan 342001
   Contact- 070732 21113
6. Shree Ram International- (30.4 km from iit jodhpur)
   Address- Near Panch Batti Circle, Residency Road, Air Force Area, Jodhpur, Rajasthan 342011
   Contact- 0291 267 1100
7. The Fern Residency Hotel Jodhpur- (28.8 km from iit jodhpur)
   Address- 1B/A, Shiv Mandir Road, Subhash Chowk, Ratanada, Subhash Chowk, Ratanada, Jodhpur, Rajasthan 342001
   Contact- 0291 251 4444
8. OYO 1174 Shanti Bhawan Heritage- (29.1 km from iit jodhpur)
   Address- Opposite Railway Station, Ratanada, Jodhpur, Rajasthan 342001
   Contact- 083770 04514

Q.11 Is there Ragging? Does IIT Jodhpur have policies against it?
A. No, Ragging is strictly prohibited and punishable in institute and strict actions are taken if found so. Yes, IITJ do have strict policies against ragging and we also have an Anti-ragging Squad to prevent any kind of ragging in the institute.

Q.12 Can freshers bring laptops in the first semester? How is the internet facility on campus?
A. Yes one can bring laptops right from the first semester itself. However, it is optional. Proper LAN and Wifi facilities are provided in all the hostel as well as academic

buildings. Computer centres are also there so that the computer systems are available to use if required by any student but only during normal office hours

Q.13 What are the bank and ATM facilities in the campus?
A. We have got an SBI bank branch and Canera bank branch within the campus and also an ATM.

Q.14 What is the holiday schedule of IIT Jodhpur?
A. Saturdays and sundays are usually non working, and other holidays are mentioned in the academic calendar of institute.Visit - http://iitj.ac.in/academics/index.php?id=holidays

Q.15 How about other extra-curricular activities and clubs at IIT Jodhpur (i.e. about Student Gymkhana, IIT Jodhpur)?
A. Student Gymkhana hosts its activities through seven student societies. Each Society comprises of several clubs. Different club organize creative activities for the all-rounded mental, physical, social and cultural growth of students.
Similarly, the student activities at the hostel level are organized through Students Regatta. The seven societies are:
1. Sports & Games Society
2. Cultural & Literary Society
3. Design & Arts Society
4. Science & Technology Society
5. Academics & Careers Society
6. Campus Life Society
7. Student Elected Representatives Society

Two main fest namely varchas (sports festival) and Ignus (techo-cult-socio-festival) are conducted apart from the intra college fest spandan, unplugged night, nimble(tech fest).

Q.16 What about medical facilities?
A. The campus has a primary Health Center for providing routine health services to the patients round the clock. Also, the Institute has its ambulance services available

round-the-clock. Besides the Health Center, the Institute has empanelled six hospitals in the city of Jodhpur. The Institute has constituted a Medical Board consisting of Senior Doctors from the Medical College and the AIIMS.

Q.17 What are the scholarships/financial assistance available for studying at IIT Jodhpur?
A. Merit-cum-Means (MCM) Scholarships are awarded to deserving (up to 25%) B.Tech. students. In addition, the Institute provides financial assistance (Tuition fee waiver) to some students with special financial circumstances. Follow these links for further information-
B.Tech. - http://iitj.ac.in/admission/btech.php?id=scholarships
M.Sc. - http://iitj.ac.in/admission/msc.php?id=assistantship
M.Tech. - http://iitj.ac.in/admission/mtech.php?id=assistantship
Ph.D. - http://iitj.ac.in/admission/phd.php?id=assistantship

Q.18 What is the procedure for getting the MCM scholarships?
A. Application forms are available with the Office of Students. Duly filled Application Form along with requisite documents may be submitted to:
Coordinator (Students), Office of Students
For all category students following documents should be submitted
1. A photocopy of Annual Income Certificate (Form F16) of immediately preceding Financial Year, as provided by the employer, as according to criteria Annual Income (of a student's parents/guardian and his Family from all sources in the preceding financial year must not exceed Rs. 6.0 Lakhs.
2. A copy of Income Tax Returns (ITR) for present Assessment Year as filed with the Department of Income Tax.

Find more about MCM

Q.19 Which are the companies that have offered placement to students?
A. Here is a list of a few companies that offered placements to the students in the past.
Private Industries
    Amazon.com
    Barclays
    Flipkart.com
    Finisar Corporation

Goldman Sachs
Google
Havells India Limited
Honda Cars
Hyundai
Infosys
Renault Nissan
Samsung India Software Centre
Snapdeal.com
Tata Motors Private Limited
Mahindra & Mahindra Limited
Microsoft Corporation
Morgan Stanley

Public Sector Enterprises
Hindustan Petroleum Corporation Limited
Indian Army
Indian Navy
Indian Space Research Organization and many more

For more visit - http://spc.iitj.ac.in/past_recruiters

Q.20 What kind of training do the students get for their internships?
A. Various sessions are organised by academics and carrier society as well as the Student Placement Cell which lead to overall personality development, and help to get more clear view about industries and to work in outside world. These trainings helps to get internships and placement.

Q.21 Are there any mentorship program available for students?
A. Yes, one faculty member is allocated to a particular number of students, also newbies are provided with a counselling team member to look after their basic queries and any kind of problem.

Q.22 How many girls' hostels are in IIT Jodhpur campus? Will all first year female students get accommodation in the same hostel?

A. Currently there is three girls' hostel in IIT Jodhpur. Yes, all the first year female students will get accommodation in the same hostel.

A. Campus of IIT Jodhpur is secured throughout the day. The Institute has round-the-clock, dedicated, professional security arrangement on Campus. Also, every hostel is manned with one security guard. Entry and exit are registered of each visitor. Other institute like NIFT (National Institute of Fashion and Technology) and NLU (National Law University) are present near to the IIT Jodhpur campus and it is totally safe to roam around nearby places. However, it is advisable to stay within the campus during odd timings.

Q.24 Is there any club or something specially for female students? (I.e. about Women Cell)
A. Yes, there is a special cell named women cell for female students. The Women Cell, IIT Jodhpur, functions in accordance with the provisions contained in Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) ACT, 2013.

ACADEMICS FAQS

Q. What about laboratories & research facilities of IIT Jodhpur?
A. IIT Jodhpur has established good number of teaching and research laboratories and facilities, which aid in elevating the students from minimalist academic concerns to inquisitive world of scientific arena. Some of the laboratories are listed below:
1. Advance Manufacturing Laboratory
2. Biomolecular Information Processing Laboratory
3. Central Workshop
4. Chemical Biology Laboratory
5. Chemistry Laboratory
6. Control / DSP / Microprocessor Laboratory
7. Electro Mechanical (EM) Energy Conversion Laboratory
8. Robotics Laboratory
9. Fluid Mechanics & Heat Transfer Laboratory
10. Material Testing & Solid Mechanics Laboratory
11. Samsung AR-VR Innovation Laboratory

12. Tinkering Lab

Follow this link for further information- http://iitj.ac.in/research/index.php?id=research_facilities

A. The Institute provides many B.Tech. Programs, namely:
1. B.Tech. (Computer Science & Engineering) Program
2. B.Tech. (Electrical Engineering) Program
3. B.Tech. (Mechanical Engineering) Program
4. B.Tech. (Biotechnology) Program
5. B.Tech. (Artificial Intelligence and DataScience) Program
6. B.Tech. (Chemical Engineering) Program
7. B.Tech. (Materials Engineering) Program
8. B.Tech. (Civil and Infrastructure Engineering) Program

Other than these we have special program IIP, The Industry Immersion Program, the unique flagship program of the Institute blends the classical classroom B.Tech. Program with the 3-summer engagement in Industry.

The Institute offers the following Master of Science (M.Sc.) Programs:
1. M.Sc. (Chemistry)
2. M.Sc. (Mathematics)
3. M.Sc. (Physics)

The Institute offers the following Master of Technology (M.Tech.) Programs:
1. M.Tech. (Electrical Engineering)
2. M.Tech. (Mechanical Engineering)

The Institute offers a Phd. Program with specialization in the following disciplines:
1. Computer Science & Engineering
2. Electrical Engineering,
3. Mechanical Engineering
4. Biology
5. Chemistry
6. Mathematics
7. Physics
8. Humanities & Social Sciences

Institute also provide non degree program.

Follow this link for further information: http://iitj.ac.in/academics/index.php?id=programs

A. Branch change strictly depend on your CGPA and that of your other interested peers in changin their branches at the end of second semester. In case of tie in the CGPA, rank of JEE-ADV of applicants will be considered.

The eligibility criteria are:

1. The cgpa at the end of second semester should be:
    1. Greater than or equal to 7.0 for sc/st applicants
    2. Greater than or equal to 8.0 for other applicants
2. The student should have passed all the courses till second semester (including the courses in which S/X grades are awarded).
3. Strength constraints: the strength of any branch shall not exceed 105%of its sanctioned strength, or fall below 90% of its existing strength as a result of branch change.

REGISTRATION FAQS

Q.1 How about registration? What items need to be brought and what are the procedures?
A. You have to bring original documents and at least 2 copies of Jee (mains & advance) score cards, proof of address, identity proof, passport size photographs, caste certificate(if needed), domicile certificates and other document shown at official website. Date of registration is 31/07/23. The procedure for registration will be explained in detail by the members of Student Wellbeing Committee after reaching the college.

Q.2 What about Community/cast certificate, fee payment, other formalities?
A. You should bring your caste certificates. In case any specific format for caste certificate is given on official website you should bring that too. Fee payment is usually done through online portal. You will be informed later the date when portal will be open.

Other than registration there is student loan option. You have to complete all the documents related to that too in case you are applying for it.

A. Following forms are required at the time of admission:

1. Registration verification form
2. Student bio data form
3. Medical Form (in IITJ format) preferred
4. Anti-ragging undertaking
5. Student undertaking for alcohol
6. Harassment
7. Regular attendance undertaking
8. Code of conduct
9. I.D cell form
10. Academic registration form
11. Proof of payment
12. Character certificate issued by previous institute
13. Aadhar card
14. Four photographs

You can download it here

HOSTEL/MESS FAQS

Q.1 When can we start staying in our hostel rooms?
A. You can start staying in the hostel rooms just after you report to the institute on the reporting date(31st July 2023). You are not allowed to stay in the hostel rooms before the reporting date.

Q.2 What will be there in my hostel room? What should I bring?
A.Chairs, tables and almirah will be provided. One should bring few set of FORMALS for orientation programs, shorts/track pants and a pair of sports shoes for the Compulsory Physical Activities(CPA). One can also bring a lab coat ,drafter and scientific calculator which would be useful in certain courses in the first year or buy them from the shops in our institute itself.

What facilities are provided to the freshers for the purchase of hostel necessities like mattresses, pillows, buckets etc.? Do we need to bring these things along with us?

A.Buckets ,mugs,pillows and mattresses will be made AVAILABLE at the complex itself at reasonable prices, so there is no need to carry them. However you are advised to get bed linen, towels, alarm clock, toiletries and sanitary items and other things that you might immediately require after you get there.

Q.4 What are the Hostel timings?

A.Hostel gates remain closed from 2 AM to 5 AM. However, one is not allowed to go out of campus after 10 PM and get inside of the campus after 11 PM without due permission from the competent authority.

Q.5 How is the mess food? Is there any other place nearby?

A.In general, the mess food is quite good. Proper quality checks are carried out frequently. Mess environment is clean and healthy & different sections are available for Veg ,Non Veg and Jain meals. We have a canteen as well as fine dining within the campus just in case the student wants something new to eat. We also have an amul parlour inside the campus.

MISC FAQS IIT JODHPUR

Q.1 How will we get a SIM in IIT Jodhpur? And which one is best?

A.Stalls will be there in the campus from where you can get a sim card or you can buy it locally from mobile shops in the city. Jio, Airtel and idea work very well in the campus.

Q.2 What will be the monthly expenses (approx.) for a fresher including mess, stationary some other student expenses?

A. To get the exact fee structure(Academic + Mess) one can visit home page of IITJ and check for fee under academics section. The total(Academic +Mess) fee that a fresher needs to pay will vary according to the category to which one belongs and on the monthly income of the household of student(some concessions are provided if the household income is less than 5 lpa). Excluding fees few stationaries are required in first semester which are available within the campus which costs around Rs 500-600 and other expenses vary from student to student.

Q.3 Whether we have to open the bank account there itself or we can open the account before reaching there also?

A.You can have your bank account from your hometown. But it is advisable to open an account in IITJ SBI branch because that will be needed in future activities like filling scholarship form, getting repayment of the fee etc. Bank officials will be there on the reporting date to help in easing out the formalities for the students in opening a new bank account.

Q.4 How is the IIT Jodhpur campus life?

A.The permanent campus spans an area of 852 acres. Hostels are airy and spacious. Open cemented as well as grassy grounds are in every hostel. Mess, canteen and fine dining as well as all the academic buildings are at walking distance from the hostels. Owing to the small strength of students of IIT Jodhpur, we live like a family here. Seniors and juniors have fostered an healthy interaction. IIT Jodhpur has four fests i.e. Spandan(Intra Cultural fest), Prometro(Intra Technical fest), Varchas(Inter Sports fest) and Ignus(Inter Socio-Cultural Techfest). We have many clubs and societies which provide a platform for students to learn and perform. It is ensured that everyone from all the disciples gets a chance to actively participate in the clubs and fests here.

Q.5 What are the Unique activities in IIT Jodhpur campus?

A.IIT Jodhpur has four fests i.e. Spandan(Cultural fest), Prometeo(Tech fest), Varchas(Sports fest) and Ignus(Socio-Cultural Techfest). We have many clubs and societies which provide a platform for students to learn and perform. Many inter hostel competitions like Sports General Championship are organized. In addition to academic and campus life, IIT Jodhpur provides a very homely environment to students. Many festivals like Janmashtami, Ganesh chaturthi, Diwali, and Lohri are celebrated with great enthusiasm.

Q.6 What additional facilities are available for students in the campus?

A.One room for one student with centralised ACs is the facility provided only in IITJ. Along with this Primary Health center(PHC) provides 24*7 medical facilities to all students. The institite also provides access to The AVINSA Tinkering Lab where the students can turn their technological visions into reality. Security is strictly maintained within the campus and bus facility is also available for students to help them move to different places in Jodhpur

Q.7 What about the recreational and sports facilities?
A.There are many clubs and societies which provide a platform for students to learn and perform. Additionally, various inter hostel competitions are organized to develop competitive spirit and leadership qualities among the students. All the major festivals are celebrated with great enthusiasm. Every hostel has a sports room and a court within it. There are various outdoor courts and fields in addition to those in hostels. The Institute has beautiful sports grounds, with flood lights in football and hockey grounds.

Q.8 What are the games played at IIT Jodhpur?
A.IIT Jodhpur currently has the following sports under the aegis of the Student Sports and Games Society
  1. Football
  2. Basketball
  3. Volleyball
  4. Tennis
  5. Cricket
  6. Table tennis
  7. Badminton
  8. Squash

There is separate teams for boys and girls who prepare with all their blood and sweat to bring laurels to the institute in the Annual Inter IIT Sports meet.
However, there is enough space inside the hostel buildings if one wants to play any game just for leisure.

Faculty:

Faculty Members :

1. **Bio Science Engineering :**
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Suresh Sarkar (Assistant Professor)
Research: Nanomaterials, Photocatalysis
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4. **Civil and Infrastructure Engineering :**
   Deepika Bhattu : Head of Department

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- **Phone**: 0291 280 1654
- **Research Area**: Emission sources, characterization and secondary aerosol formation potential; Real-time aerosol measurements using mass spectrometry techniques; Source apportionment techniques; Physical, chemical and hygroscopic properties of atmospheric aerosols and cloud condensation nuclei (CCN) activity

   Monika Dubey

- **Designation**: Assistant Professor
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- **Phone**: 0291 280 1668
- **Research Area**: Water and wastewater treatment; Monitoring and removal of emerging contaminants; Bioremediation; Biotransformation of trace organic pollutants; Risk assessment for water reuse

   Shuvajit Mukherjee

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- **Research Area**: Metamaterials; Wave propagation; Computational mechanics; Sandwich composites

   Sreejith Krishnan

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- **Research Area**: Material Characterization; Cement Chemistry; Concrete Technology; Durability and Repair of Structures

   Aali Pant

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- **Research Area**: Geoenvironmental Engineering; Reinforced Soil; Sustainable Geotechnics; Machine Learning

Amit Kumar Rathi

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- **Phone**: 0291 280 1656
- **Research Area**: Structural Engineering; RCC Design; Steel Structures and Pre-Engineered Buildings; Reliability Analysis and Design; Uncertainty Quantification; Stochastic Modelling and Mechanics; Composite Materials; Vibration Control and Structural Health Monitoring

Amit Sharma

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- **Research Area**: Atmospheric Chemistry; Air Pollution; Climate change; Impact on crops and human health

Bhupendra Singh

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- **Phone**: 0291 280 1659
- **Research Area**: Pavement Materials; Pavement Analysis; Pavement Design; Sustainable Pavement Materials

Debanjan Guha Roy

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- **Phone**: 0291 280 1653
- **Research Area**: Rock mechanics, reservoir geomechanics, engineering geology

Mayank Suman

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- **Phone**: 0291 280 1665
- **Research Area**: Effect of changing climate on hydrological extremes; Climate change mitigation strategies; Remote sensing application in hydrology

P. Ravi Prakash

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- **Research Area**: Computational Mechanics; Structural Fire Engineering; Application of AI in Structural Engineering; Building Information Modelling (BIM)

Sanhita Das

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- **Research Area**: Computational Mechanics; Constitutive Modelling; Smart Materials; Amorphous Materials

Saran Aadhar

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- **Research Area**: Surface Hydrology; Hydroclimatic extremes; Hydrologic modeling in natural and anthropogenic climate; Impact of climate variability and climate change on water resources

Subhasish Dey

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- **Research Area**: Fluid Mechanics; Applied Hydrodynamics; Turbulence; Fluvial Hydrodynamics

Tekcham Gishan Singh

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- **Research Area**: Civil Engineering; Structural Engineering; Steel Structures

Trishikhi Raychoudhury

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- **Research Area**: Environmental Engineering; Colloid filtration; Contaminant fate and transport; Water treatment; Applications and implications of nanotechnology

Pradeep Kumar Dammala

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- **Phone**: 0291 280 1655
- **Research Area**: Soil Dynamics; Experimental Geotechnics; Seismic Liquefaction; Seismic Ground Response Analysis; Soil Structure Interaction; Pile Foundations; Seismic Requalification studies; Sustainable Geotechnics; Stability Analysis of Earth Retaining Structures

Ranju Mohan

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- **Research Area**: Traffic flow theory; Macroscopic and Microscopic modelling of traffic flow; Connected and autonomous vehicles; Dynamic Traffic Assignment

4. Computer Science and Engineering

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- **Research Area**: Computer Vision; Deep Learning; Knowledge Graph; Multimodal Machine Learning

Angshuman Paul

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- **Research Area**: Medical Image Analysis; Machine Learning; Computer Vision

Avinash Sharma

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- **Research Area**: 3D Computer Vision (Human Digitization and Terrain Modelling); Geometry Processing; Graph Spectral Analysis; Applied ML for CogSci/Robotics/GIS

Debasis Das

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- **Research Area**: Vehicular Ad-Hoc Networks (VANETs); Internet of Vehicles (IoV); Vehicular Cloud Computing (VCC); Network Security; Machine Learning; Blockchain; Social Networking and Wireless Body Area Networks (WBAN)

Deepak Mishra

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- **Research Area**: Machine Learning; Medical Image Analysis; Biomedical Circuits and Systems; Polarization Imaging

Dip Sankar Banerjee

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- **Research Area**: High Performance Computing; Computer Architecture; Data Analytics

Gaurav Harit

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- **Research Area**: Image and Video Analysis

Lawqueen Kanesh

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- **Research Area**: Algorithms; Parameterized Complexity; Graph Theory

Mayank Vatsa

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- **Research Area**: Computer Vision; Machine Learning; Deep Learning; Biometrics; Trusted AI

Nitin Awathare

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- **Research Area**: Distributed Systems; Blockchain; Payment Channel Network; System Architecture

Palash Das

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- **Research Area**: Computer Architecture; Near-Memory Processing; Hardware Designing; Machine Learning Accelerators

Pallavi Jain

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- **Research Area**: Parameterized Complexity and Algorithms; Kernelization; Computational Social Choice Theory; Graph Algorithms

Pratik Mazumder

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Richa Singh

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- **Research Area**: Embodied Cognitive Architectures; Artificial General Intelligence; Computing with Words; Natural Language Understanding

Somitra Sanadhya

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- **Research Area**: Cryptography; Quantum Computation

Suchetana Chakraborty

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- **Research Area**: Wireless Sensor and Mobile Ad Hoc Networks; Distributed Systems; Ubiquitous Computing; Edge Computing and IoT

Suman Kundu

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- **Research Area**: Social Network Analysis; Granular Computing; Network Data Science; Fuzzy Sets; Rough Sets; Distributed Algorithms

Sumit Kalra

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- **Research Area**: Software Architecture; Data Analytics; IoT; Smart Healthcare

Tanmay Inamdar

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Vimal Raj Sharma

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Yashaswi Verma

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- **Research Area**: Applied Machine Learning; Computer Vision

5. Electrical Engineering

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- **Research Area**: Electric Drives, Power Electronics Applications to Power Systems, Grid Integration of Renewable Energy

2. Aashish Mathur

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- **Research Area**: Power Line Communications, Free Space Optical Communications, Visible Light Communications

3. Abdul Gafoor Shaik

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- **Research Area**: Power System Protection, Distribution Network with DG Penetration, Power Quality Assessment and Mitigation

4. Ajay Agarwal

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- **Phone**: 0291 280 1378

- **Research Area**: Microelectronics, Micro- Nano-technologies, Sensors, Micro-fluidics, Point-of-Care Devices

5. Akshay Moudgil

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6. Amandeep Kaur

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- **Research Area**: Analog and Mixed-Signal Circuit Design, Data Converters, High-Speed Circuits

7. Amit Bhardwaj

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- **Research Area**: Human Haptics, Computer Haptics, Haptics for Teleoperation

8. Anil Kumar Tiwari

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- **Phone**: 0291 280 1353
- **Research Area**: Image Processing, Video Processing, Bio-Medical Applications

9. Anoop Jain

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- **Research Area**: Cooperative Control, Multi-Agent Systems, Cyber-Physical Systems

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11. Arani Ali Khan

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12. Arpit Arvind Khandelwal

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- **Research Area**: IoT and Photonics

13. Arun Kumar Singh

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- **Research Area**: Communication Theory, Wireless and Mobile Communications

14. Bhupendra Singh Reniwal

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- **Research Area**: AI, Hardware Accelerators, Energy Efficient Design

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- **Research Area**: Variable Structure Systems, Sliding Mode Control

16. Binod Kumar

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- **Research Area**: SoC Design Verification, Hardware Security

17. Deepakkumar M. Fulwani

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- **Research Area**: Embedded Control, Control of Micro-Grids

18. Harshit Agarwal

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- **Research Area**: Compact Modeling, Energy Efficient Transistors

19. Himanshu Kumar

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- **Research Area**: Image and Video Processing, Deep Learning

20. Jai Narayan Tripathi

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21. Kamaljit Rangra

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- **Research Area**: MEMS, Transducers

22. Kunwar Aditya

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- **Research Area**: Power Electronics, Transportation Electrification

23. Mahesh Kumar

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- **Research Area**: Quantum Structures, Nanostructures

24. Manish Narwaria

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- **Research Area**: Multimedia Signal Processing

25. Manoj Choudhary

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26. Niladri Sekhar Tripathy

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- **Research Area**: Dynamics and Control

27. Nishant Kumar

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- **Research Area**: Power System Optimization, Renewable Energy

28. Nitin Bhatia

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- **Research Area**: Fiber Optics, Photonics

29. Rajendra Nagar

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- **Research Area**: Computer Vision, 3D Shape Analysis

30. Rajlaxmi Chouhan

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- **Research Area**: Image Processing, e-Learning

31. Ravi Yadav

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32. Saakshi Dhanekar

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33. Sai Kiran M. P. R.

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34. Sandeep Kumar Yadav

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- **Research Area**: Signal Processing, Condition Monitoring

35. Shree Prakash Tiwari

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- **Research Area**: Microelectronics, Organic Electronics

36. Soumava Mukherjee

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- **Research Area**: Microwave Communication

37. Suraj Srivastava

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- **Research Area**: Sparse Signal Processing, RadCom

6. Mathematics

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- **Research Area**: Smooth Dynamical Systems, Renormalization of Unimodal maps and Henon-like maps.

Kuntal Som

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- **Research Area**: Mathematics.

Bimal Mandal

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- **Ph.D.**: Indian Institute of Technology Roorkee
- **Research Area**: Cryptology, Cryptographic Boolean Functions.

Dilpreet Kaur

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- **Ph.D.**: Indian Institute of Science Education and Research (IISER) Mohali
- **Research Area**: Algebra (Group Theory).

Dr. Sukhendu Ghosh

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- **Ph.D.**: Indian Institute of Technology Madras
- **Research Area**: Hydrodynamic Instability; Differential Equations; Lie Groups Applications; Dynamical Systems.

Gaurav Bhatnagar

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- **Ph.D.**: Indian Institute of Technology Roorkee
- **Research Area**: Wavelet Analysis, Fractional Transform Theory, Multimedia Security, Image Processing, Information Fusion.

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- **Research Area**: Theoretical, mathematical and computational aspects of wave-matter interactions.

Md Abu Talhamainuddin Ansary

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Moni Kumari

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- **Research Area**: Number Theory.

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- **Research Area**: Numerical Functional Analysis, Integral Equation.

Nil Kamal Hazra

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- **Research Area**: Reliability Theory, Applied Probability.

Pradip Sasmal

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- **Ph.D.**: Indian Institute of Technology Hyderabad (IITH)
- **Research Area**: Frame theory; Sparse optimization theory; Reinforcement learning and their applications.

Puneet Sharma

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- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Area**: Topological Dynamics, Low Dimensional Chaos.

Subhash Bhagat

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- **Ph.D.**: Indian Statistical Institute
- **Research Area**: Distributed algorithms for Swarm Robotics, Multi-agent systems, Distributed network algorithms.

Tuhina Mukherjee

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- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Area**: Analysis of Partial Differential Equations.

Vivek Vijay

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- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Area**: Financial Risk Analysis, Categorical Data Analysis, Regression.

Abhishek Sarkar

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- **Phone**: 0291 280 1461
- **Ph.D.**: Tata Institute of Fundamental Research Centre for Applicable Mathematics
- **Research Area**: Elliptic partial differential equations.

7. Mechanical Engineering

1. Ashok Joshi

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- **Research Area**: Dynamics & Control of Flexible Vehicles; Navigation & Guidance; Space Mechanics; Unmanned Systems and Swarms

2. Amrita Puri

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3. Anand Krishnan Plappally

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- **Research Area**: Water, Water Management and Characterization of Engineered Materials

4. Arun Kumar R

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- **Research Area**: Experimental Aerodynamics - Confined Jets, Shock Wave Reflection and Transitions, Ejector Flows

5. Ashish Pathak

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6. Atul Kumar Sharma

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- **Research Area**: Solid Mechanics; Continuum Mechanics; Computational Solid Mechanics; Mechanics of Soft Active Materials; Wave Propagation in Soft Active Composite Materials; Topology Optimization

7. B. Ravindra

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8. Barun Pratiher

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- **Research Area**: Dynamics of Machines and Structures, Flexible Robots, MEMS, Rotor Dynamics, Nonlinear Oscillations

9. C. Venkatesan

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10. Chandan Pandey

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11. Gourhari Ghosh

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12. Hardik Kothadia

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13. Harshal Akolekar

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14. Hirshikesh

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15. Jayant Kumar Mohanta

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16. Jaywant H Arakeri

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- **Research Area**: Fluid mechanics; Heat transfer; Turbulent flows

17. Kaushal A. Desai

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18. Nipal Deka

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- **Phone**: 0291 280 1531
- **Research Area**: Crystal Plasticity; Deformation micromechanics; Computational & Experimental Mechanics; Fracture Mechanics; Microstructures

19. Nipun Arora

- **Designation**: Assistant Professor
- **Email**: nipun@iitj.ac.in
- **Phone**: 0291 280 1519
- **Research Area**: Flapping wing aerodynamics; Fluid-structure interaction; CFD with Lattice Boltzmann method; Turbulence and moving boundary simulations; High performance computing; Electrorheological Fluids

20. Prodyut Ranjan Chakraborty

- **Designation**: Professor
- **Email**: pchakraborty@iitj.ac.in
- **Phone**: 0291 280 1508
- **Research Area**: Heat and mass transfer, Latent heat storage for high temperature applications, Alloy solidification process, Solar cooling systems, Electronic cooling

21. Rahul Chhibber

- **Designation**: Professor
- **Email**: rahul_chhibber@iitj.ac.in
- **Phone**: 0291 280 1506
- **Research Area**: Welding and joining, Manufacturing and materials processing, Mechanical behavior of materials

22. Riby Abraham Boby

- **Designation**: Assistant Professor
- **Email**: riby@iitj.ac.in
- **Phone**: 0291 280 1504
- **Research Area**: Robotics; Machine Vision; Robot calibration; Automated Visual Inspection; Industrial robots; Human-Machine Interface

23. Shobhana Singh

- **Designation**: Assistant Professor
- **Email**: shobhana@iitj.ac.in
- **Phone**: 0291 280 1520
- **Research Area**: Thermal energy systems; Solar dryers; Heat pumps; Heat and mass transfer; System optimization; Renewable energy integration; Electrochemical carbon capture

24. Shrutidhara Sarma

- **Designation**: Assistant Professor
- **Email**: shrutidhara@iitj.ac.in
- **Phone**: 0291 244 1515
- **Research Area**: Thin film nanocomposite temperature sensors, Nanocomposite materials, Flexible sensors

25. Sudipto Mukhopadhyay

- **Designation**: Assistant Professor
- **Email**: smukhopadhyay@iitj.ac.in
- **Phone**: 0291 280 1511
- **Research Area**: Energy Technology, Combustion, CFD, Turbulent flows, Sprays

26. Suril Shah

- **Designation**: Professor and Head
- **Email**: surilshah@iitj.ac.in, head_me@iitj.ac.in
- **Phone**: 0291 280 1510
- **Research Area**: Robotics, Multibody Dynamics, Control

27. Vignesh T.G.

- **Designation**: Assistant Professor
- **Email**: vigneshtg@iitj.ac.in
- **Phone**: 0291 280 1529
- **Research Area**: Multiphase flows; Dynamics of drops, bubbles & particles; Thin film flows

28. Ankur Gupta

- **Designation**: Associate Professor
- **Email**: ankurgupta@iitj.ac.in
- **Phone**: 0291 280 1517
- **Research Area**: Microsystems Fabrication

29. Hardik Kothadia

- **Designation**: Assistant Professor
- **Email**: hardikkothadia@iitj.ac.in
- **Phone**: 0291 280 1512
- **Research Area**: Multiphase Flow, Boiling and Condensation, Heat Transfer, Fluid Mechanics, Gasification

8. Metallurgical and Materials Engineering

Ravi K. R.

- **Designation**: Associate Professor, **Head of the Department**
- **Email**: ravikr@iitj.ac.in
- **Phone**: 0291 280 1556
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Computational Thermodynamics for Alloy Design, Solidification Studies on Light Alloys, Biodegradable Magnesium Alloys, Self-Cleaning Coating

Abir Bhattacharyya

- **Designation**: Associate Professor
- **Email**: abir@iitj.ac.in
- **Phone**: 0291 280 1554

- **Ph.D.**: University of Florida
- **Research Areas**: Mechanical Behavior of Materials, Fatigue of Bearing Steels, High-Strain Rate Deformation of Materials, Indentation Response of Materials

Amitava Banerjee

- **Designation**: Assistant Professor
- **Email**: amitava@iitj.ac.in
- **Phone**: 0291 280 1564
- **Ph.D.**: Uppsala University, Sweden
- **Research Areas**: DFT, Molecular Dynamics, Crystal Structure Prediction, Hydrogen and Oxygen Evolution Reactions (HER, OER), 2D Catalysts, Solar Cells, 2D Anodes, Battery Thermodynamics and Kinetics Modeling, Defect Engineering, Oxide Growth

Appala Naidu Gandi

- **Designation**: Associate Professor
- **Email**: appalanaidu@iitj.ac.in
- **Phone**: 0291 280 1555
- **Ph.D.**: Imperial College, London
- **Research Areas**: First-Principles Calculations, Molecular Dynamics, Thermoelectric Transport, Lattice Dynamics, Mechanical Behavior, ab initio Characterization

Bhagwati P. Kashyap

- **Designation**: Visiting Professor
- **Email**: bpk@iitj.ac.in
- **Phone**: 0291 280 1553
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Thermo-Mechanical Treatment, Deformation Behavior, Microstructure Evolution, Superplasticity and Creep, Grain Boundary Phenomena, Advanced Materials

Devendra Singh Negi

- **Designation**: Assistant Professor
- **Email**: devendra@iitj.ac.in
- **Phone**: 0291 280 1562
- **Ph.D.**: JNCASR Bangalore
- **Research Areas**: Experimental and Computational Electron Microscopy, EMCD, DFT, Quantum Materials, Thermoelectric Materials, Magnetic Materials

Jaiveer Singh

- **Designation**: Associate Professor
- **Email**: jaiveer@iitj.ac.in
- **Phone**: 0291 280 1521

- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Microstructure-Mechanical Property Correlation, Deformation and Fracture Mechanisms, Metal Forming Processes, Additive Manufacturing, Thermo-Mechanical Processing of Materials

Koundinya NTBN

- **Designation**: Assistant Professor
- **Email**: koundinya@iitj.ac.in
- **Phone**: 0291 280 1558
- **Ph.D.**: Indian Institute of Technology Madras
- **Research Areas**: Sustainable Metallurgy, Creep, High-Temperature Deformation, Additive Manufacturing, Light Alloys

Lalit

- **Designation**: Assistant Professor
- **Email**: lalitkaushik@iitj.ac.in
- **Phone**: 0291 280 1565
- **Ph.D.**: Sunchon National University, South Korea
- **Research Areas**: Computational Materials Science, Crystal Plasticity Simulations, Grain Growth Simulations, Machine Learning for Materials Engineering

Nitin Sharma

- **Designation**: Assistant Professor
- **Email**: nitinksh@iitj.ac.in
- **Phone**: 0291 280 1560
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Phase Transformations, Grain Boundary Engineering, Thermo-Mechanical Processing, Electron Microscopy, Atom Probe Tomography, Computational Thermodynamics

Pranay Ranjan

- **Designation**: Assistant Professor
- **Email**: pranay.ranjan@iitj.ac.in
- **Phone**: 0291 280 1563
- **Ph.D.**: Indian Institute of Technology Patna
- **Research Areas**: 2D Materials Synthesis and Applications in Sensing and Environmental Remediation

Saurabh Nene

- **Designation**: Associate Professor
- **Email**: ssnene@iitj.ac.in

- **Phone**: 0291 280 1559
- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Alloy Design, Additive Manufacturing, High Entropy Alloys, Friction Stir Welding and Processing

Sk Md Hasan

- **Designation**: Assistant Professor
- **Email**: hasan@iitj.ac.in
- **Phone**: 0291 280 1561
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Phase Transformations, High Strength Bainitic/Martensitic Steels, Thermomechanical Processing, Microstructure-Property Correlation

Srijan Sengupta

- **Designation**: Assistant Professor
- **Email**: srijansengupta@iitj.ac.in
- **Phone**: 0291 280 (Phone number incomplete)
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas:** Lithium ion Batteries, Electrochemistry

9. Physics

Ambesh Dixit

- **Designation**: Professor, **Head of the Department**
- **Email**: ambesh@iitj.ac.in, head_physics@iitj.ac.in, office_physics@iitj.ac.in
- **Phone**: 0291 280 1605
- **Ph.D.**: Wayne State University
- **Research Areas**: Semiconductors, Multifunctional Ferroics & Materials for Energy, Photovoltaic Materials & Devices, ab initio DFT Study, Device Simulations

Amit Mukherjee

- **Designation**: Assistant Professor
- **Email**: amitm@iitj.ac.in
- **Phone**: 0291 280 1621
- **Ph.D.**: University of Calcutta (Indian Statistical Institute, Kolkata)
- **Research Areas**: Quantum Foundations, Quantum Information Theory, Quantum Communication Theory, Quantum Technologies

Chandan Datta

- **Designation**: Assistant Professor
- **Email**: cdatta@iitj.ac.in
- **Phone**: 0291 280 1623
- **Ph.D.**: Institute of Physics, Bhubaneswar
- **Research Areas**: Quantum Entanglement, Quantum Resource Theories, Quantum Information, Quantum Computation

Amitava Mitra

- **Designation**: Visiting Professor
- **Email**: amitra@iitj.ac.in
- **Phone**: 0291 280 1642
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Magnetism, Magnetic Materials, Electromagnetic Techniques for Non-Destructive Evaluation

Ashutosh Kumar Alok

- **Designation**: Professor
- **Email**: akalok@iitj.ac.in
- **Phone**: 0291 280 1606
- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Particle Physics, Cosmology

B M Krishna Mariserla

- **Designation**: Assistant Professor
- **Email**: bmkrishna@iitj.ac.in
- **Phone**: 0291 280 1614
- **Ph.D.**: University of Hyderabad
- **Research Areas**: Light-Matter Interactions, Ultrafast Spectroscopy, Terahertz Spectroscopy, Higher Harmonic Generation

Durgamadhab Mishra

- **Designation**: Assistant Professor
- **Email**: durgamadhab@iitj.ac.in
- **Phone**: 0291 280 1610
- **Ph.D.**: Ruhr University Bochum
- **Research Areas**: Magnetic Thin Films, Permanent Magnets, Synchrotron and Neutron Scattering

Jitendra Kumar

- **Designation**: Assistant Professor
- **Email**: jkumar@iitj.ac.in
- **Phone**: 0291 280 1622
- **Ph.D.**: Indian Institute of Technology Bombay

- **Research Areas**: Experimental High Energy Physics, Particle Detection Techniques, Machine Learning in High Energy Physics

Monika Sinha

- **Designation**: Associate Professor
- **Email**: ms@iitj.ac.in
- **Phone**: 0291 280 1604
- **Ph.D.**: Jadavpur University
- **Research Areas**: Astrophysics, Astroparticle Physics

Prabhat Jaiswal

- **Designation**: Associate Professor
- **Email**: prabhat.jaiswal@iitj.ac.in
- **Phone**: 0291 280 1612
- **Ph.D.**: Jawaharlal Nehru University
- **Research Areas**: Statistical and Computational Physics of Soft Matters

Ram Prakash

- **Designation**: Professor
- **Email**: ramprakash@iitj.ac.in
- **Phone**: 0291 280 1615
- **Ph.D.**: Centre of Plasma Physics-Institute for Plasma Research, Guwahati
- **Research Areas**: Plasma Science & Technology, Low Temperature Plasma Applications

Reetanjali Moharana

- **Designation**: Associate Professor
- **Email**: reetanjali@iitj.ac.in
- **Phone**: 0291 280 1616
- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Astroparticle Physics, High Energy Cosmic Rays, Gamma Rays, Neutrinos

Santosh Mogurampelly

- **Designation**: Associate Professor
- **Email**: santosh@iitj.ac.in
- **Phone**: 0291 280 1613
- **Ph.D.**: Indian Institute of Science Bangalore
- **Research Areas**: Multiscale Modeling of Soft Matter Physics, Materials Science

Satyajit Sahu

- **Designation**: Associate Professor
- **Email**: satyajit@iitj.ac.in
- **Phone**: 0291 280 1608

- **Ph.D.**: Jadavpur University
- **Research Areas**: 2D-TMDC Based Semiconductor Devices, Quantum Dot-Based Devices, Organic Semiconductor, Perovskite-Based Solar Cells

Shahab Ahmad

- **Designation**: Associate Professor
- **Email**: shahab@iitj.ac.in
- **Phone**: 0291 280 1617
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Areas**: Condensed Matter Physics, Nanomaterials, Optoelectronics, Energy Storage Devices

Somnath Ghosh

- **Designation**: Associate Professor
- **Email**: somnathghosh@iitj.ac.in
- **Phone**: 0291 280 1609
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Areas**: Non-Hermitian and Topological Photonics, Photonic Time Crystals, Specialty Optical Fibers

Subhashish Banerjee

- **Designation**: Professor
- **Email**: subhashish@iitj.ac.in
- **Phone**: 0291 280 1603
- **Ph.D.**: School of Physical Sciences, Jawaharlal Nehru University
- **Research Areas**: Open Quantum Systems, Quantum Information, Non-Equilibrium Statistical Mechanics

Sunita

- **Designation**: Assistant Professor
- **Email**: sunita@iitj.ac.in
- **Phone**: 0291 280 1618
- **Ph.D.**: Banaras Hindu University, Varanasi
- **Research Areas**: Theoretical Soft Matter, Physics of Living Organisms, Charge Regulation on Biomolecules

V. Narayanan

- **Designation**: Associate Professor
- **Email**: vnara@iitj.ac.in
- **Phone**: 0291 280 1607
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Optics and Solar Field Design, Plasmonics, Laser Produced Plasmas, Pulsed Laser Deposition

10. School of Management and Entrepreneurship

Anuj Pal Kapoor

- **Designation**: Assistant Professor
- **Email**: anujkapoor@iitj.ac.in
- **Phone**: +91-291-280-1813
- **Ph.D.**: FMS, University of Delhi
- **Research Areas**: Consumer Behavior, Multi-sensory Experiences, Neuro-marketing, Design Aesthetics

Bhargab Chattopadhyay

- **Designation**: Associate Professor
- **Email**: bhargab@iitj.ac.in
- **Phone**: +91-291-280-1804
- **Ph.D.**: University of Connecticut
- **Research Areas**: Inference, Sequential Analysis

Deepak Kumar Saxena

- **Designation**: Assistant Professor and Head
- **Email**: saxenad@iitj.ac.in
- **Phone**: +91-291-280-1821
- **Ph.D.**: Trinity College Dublin
- **Research Areas**: Management Information Systems

Devi Prasad Dash

- **Designation**: Assistant Professor
- **Email**: dpdash@iitj.ac.in
- **Phone**: +91-291-280-1818
- **Ph.D.**: IIT Ropar
- **Research Areas**: Energy Economics, Economics of Climate Change, Economics of Crime, Empirical Macroeconomics, Green Economics

Jangam Bhushan Praveen

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- **Email**: bhushanj@iitj.ac.in
- **Phone**: +91-291-280-
- **Ph.D.**: IIT Hyderabad
- **Research Areas**: International Trade, Global Value Chains, Macroeconomic Interactions

Jitesh Mohnot

- **Designation**: Assistant Professor
- **Email**: jiteshm@iitj.ac.in
- **Phone**: +91-291-280-1820
- **Ph.D.**: IIM Trichy
- **Research Areas**: Strategy-as-Practice, Indigenous Business Communities, Value Appropriation, Ethnographic Approach to Strategy and Entrepreneurship

Krishna Kumar Balaraman

- **Designation**: Associate Professor
- **Email**: krishna@iitj.ac.in
- **Phone**: +91-291-280-1815
- **Ph.D.**: IIT Madras
- **Research Areas**: Strategic and Public Policy

Manu Kanchan

- **Designation**: Assistant Professor
- **Email**: manuk@iitj.ac.in
- **Phone**: +91-291-280-1822
- **Ph.D.**: IIT Kanpur
- **Research Areas**: Branding, Intellectual Property (Patents, Trademarks & Competition)

Mithu Rani Kuiti

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- **Email**: mithu@iitj.ac.in
- **Phone**: +91-291-280-1819
- **Ph.D.**: IIM Calcutta
- **Research Areas**: Decision Sciences, Operations

Monika Tanwar

- **Designation**: Assistant Professor
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- **Phone**: 0291 280 1808
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Areas**: Industry 4.0, Cyber Physical Systems, Prognostics, Health Management

Seema Saini

- **Designation**: Assistant Professor
- **Email**: seemasaini@iitj.ac.in
- **Phone**: +91-291-280-1803
- **Ph.D.**: IIT Kanpur
- **Research Areas**: Macro-Finance, Firm Dynamics, Applied Econometrics

Venkat Ram Reddy Ganuthula

- **Designation**: Assistant Professor
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- **Phone**: +91-291-280-1806
- **Ph.D.**: IIT Madras
- **Research Areas**: Human Capital, Organisational Dynamics

Venkatesha Murthy R

- **Designation**: Associate Professor
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- **Phone**: +91-291-280-1809
- **Ph.D.**: TISS Mumbai
- **Research Areas**: Innovation, Entrepreneurship

11. School of Artificial Intelligence and Data Science

12. School of Liberal Arts

Alok Ranjan

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- **Email**: alok@iitj.ac.in, head_sola@iitj.ac.in, office_sola@iitj.ac.in
- **Phone**: 0291 280 1414
- **Ph.D.**: Tata Institute of Social Sciences, Mumbai
- **Research Areas**: Public Health, Universal Health Coverage, Health Systems, Health Economics, Health Equity, Elderly Health, Non-Communicable Diseases, Disability & Rehabilitation

Akanksha Choudhary

- **Designation**: Assistant Professor
- **Email**: akanksha@iitj.ac.in
- **Phone**: 0291 280 1413
- **Ph.D.**: IIT Bombay
- **Research Areas**: Development Economics, Education and Health Economics, Unfair Inequalities, Public Policy, Gender Studies

Ankita Sharma

- **Designation**: Professor
- **Email**: ankitasharma@iitj.ac.in
- **Phone**: 0291 280 1406
- **Ph.D.**: Banaras Hindu University
- **Research Areas**: Gerontology, Clinical and Positive Psychology

Anupama Mohan

- **Designation**: Associate Professor
- **Email**: amohan@iitj.ac.in
- **Phone**: 0291 280 1419
- **Ph.D.**: University of Toronto
- **Research Areas**: Indian Ocean Studies, Working Class Literature, Transmodernity, Environmental Humanities, History of Ideas

Ayla Joncheere

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- **Email**: aylajoncheere@iitj.ac.in
- **Phone**: 0291 280 1403
- **Ph.D.**: Ghent University, Belgium
- **Research Areas**: Performing Arts, Dance, Music, Anthropology, Cultural Management, Rajasthan

Bhaswati Sarma

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- **Ph.D.**: Visva-Bharati University
- **Research Areas**: Dhrupad Music

Farhat Naz

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- **Phone**: 0291 280 1411
- **Ph.D.**: University of Bonn, Germany
- **Research Areas**: Natural Resource Management, Water Governance, Climate Change, Disaster Risk Reduction, Gender

Gopakumar K U

- **Designation**: Assistant Professor
- **Email**: gopakumar@iitj.ac.in
- **Phone**: 0291 280 1421

- **Ph.D.**: Sri Sathya Sai Institute of Higher Learning, Andhra Pradesh
- **Research Areas**: Structural Macroeconomic Modelling, Developmental Studies, Applied Econometrics

Gurujegan Murugesan

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- **Email**: gurujeganm@iitj.ac.in
- **Phone**: 0291 280 1409
- **Ph.D.**: University of Leipzig, Germany
- **Research Areas**: Theoretical/Formal Linguistics, Syntax

K. J. George

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- **Email**: kjg@iitj.ac.in
- **Phone**: 0291 280 1404
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Applied Ethics, Ethics of Technology, Bioethics

Kanak Yadav

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- **Email**: kanakyadav@iitj.ac.in
- **Phone**: 0291 280 1426
- **Ph.D.**: Jawaharlal Nehru University, New Delhi
- **Research Areas**: Literature and Cities, Dalit Literature, Indian English Writing, Postcolonial Anglophone Novel

Natasa Thoudam

- **Designation**: Assistant Professor
- **Email**: nthoudam@iitj.ac.in
- **Phone**: 0291 280 1417
- **Ph.D.**: IIT Bombay
- **Research Areas**: Literary Studies, Gender Studies, Religious Studies, Comic Studies, Performance Studies, Digital Humanities (focused on India's Northeast)

Parichay Patra

- **Designation**: Assistant Professor
- **Email**: parichay@iitj.ac.in
- **Phone**: 0291 280 1410
- **Ph.D.**: Monash University, Australia
- **Research Areas**: Film Studies, Transnational Cinema, Indian New Wave, Global 1968, Film Aesthetics

Prasenjeet A. Tribhuvan

- **Designation**: Assistant Professor
- **Email**: prasenjeet@iitj.ac.in
- **Phone**: 0291 280 1408
- **Ph.D.**: Delhi School of Economics, University of Delhi
- **Research Areas**: Anthropology of Material Objects, STS in Sociology, Political Ecology, Tourism, Youth Subcultures

Rachel Philip

- **Designation**: Assistant Professor
- **Email**: rachel@iitj.ac.in
- **Phone**: 0291 280 1412
- **Ph.D.**: Central Institute of Education, University of Delhi
- **Research Areas**: Sociology of Education, Education Policy, Childhood Studies, Social Stratification, Science, Technology, Society Studies

Rajdeep Konar

- **Designation**: Assistant Professor
- **Email**: rajdeepkonar@iitj.ac.in
- **Phone**: 0291 280 1423
- **Ph.D.**: Jawaharlal Nehru University
- **Research Areas**: Aesthetics, Cultural Studies, Theatre & Performance Studies, Literary Studies, Disability Studies

Saurabh Maheshwari

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- **Email**: saurabhmaheshwari@iitj.ac.in
- **Phone**: 0291 280 1425
- **Ph.D.**: IIT Delhi
- **Research Areas**: Psychology of Class and Capital, Relationship Science, Prosocial Behavior, Social Cognition

Sherin Sabu

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- **Email**: sherinsabu@iitj.ac.in
- **Phone**: 0291 280 1422
- **Ph.D.**: IIT Bombay
- **Research Areas**: Sensory Anthropology, Gender Studies, New Kinship Studies, Sociology of Language

Sreedevi D

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- **Phone**: 0291 280 1418
- **Ph.D.**: Jawaharlal Nehru University, New Delhi
- **Research Areas**: Sensory Studies, Literary and Critical Theory, Senses and Writing, Touch and Aesthetics

Suman Dhaka

- **Designation**: Assistant Professor
- **Email**: dhakas@iitj.ac.in
- **Phone**: 0291 280 1415
- **Ph.D.**: IIT Guwahati
- **Research Areas**: Cognitive Neuroscience, Cognitive Psychology, Sleep and Cognition

Sunil Kumar Lohar

- **Designation**: Assistant Professor
- **Email**: sunillohar@iitj.ac.in
- **Phone**: 0291 280 1424
- **Ph.D.**: IIIT Hyderabad
- **Research Areas**: Visual Arts, Indian Folk Paintings, Aesthetics, Communication Design, Formal Theories of Arts

Tonisha Guin

- **Designation**: Assistant Professor
- **Email**: tonisha@iitj.ac.in
- **Phone**: 0291 280 1407
- **Ph.D.**: EFL University, Hyderabad
- **Research Areas**: Knowledge Systems in Global South, Decoloniality, Identity Studies, Space Studies, New Media Issues

V. Hari Narayanan

- **Designation**: Associate Professor
- **Email**: hari@iitj.ac.in
- **Phone**: 0291 280 1405
- **Ph.D.**: IIT Kanpur
- **Research Areas**: Cognitive Studies, Evolutionary Theory, Analytic Philosophy, Mindfulness

13. School of Design

Abhijith KR

- **Designation**: Guest Faculty
- **Research Areas**: Graphic Design, Interaction Design, Typography, Writing for Design, Symbol Design

Ajanta Sen

- **Designation**: Adjunct Faculty
- **Research Areas**: Problem Solving through Technology, Communication for Special Needs Children, Community Empowerment through Social Media Innovations

Deepak John Mathew

- **Designation**: Adjunct Faculty
- **Research Areas**: Elements of Design, Aesthetics, History of Design, Design Innovation, Virtual Reality (VR), Augmented Reality (AR), Tangible and Intangible Heritage

Gaurav Vinod Vaidya

- **Designation**: Assistant Professor
- **Email**: gauravvaidya@iitj.ac.in
- **Research Areas**: Industrial Design, Product Form and Aesthetics, Emotional Design, Craft Culture Design and Development, Toy Design, Furniture and Space Design, Product Styling and Perception

Girish Dalvi

- **Designation**: Adjunct Faculty
- **Research Areas**: Devanagari Typography, History of Type Design in India, Type Design Methodologies, Type & Culture, Culture-sensitive Interaction Design, Indian Language Interfaces

Jayesh Pillai

- **Designation**: Adjunct Faculty
- **Research Areas**: Immersive Media Design, Virtual Reality (VR) & Augmented Reality (AR), Visual & Interactive Storytelling, Interaction Design

Jhumkee Iyengar

- **Designation**: Adjunct Faculty
- **Research Areas**: Design Thinking, People-Centered Design, Experience Design, Craft Entrepreneurship

Keyur Sorathia

- **Designation**: Adjunct Faculty
- **Research Areas**: Human-Computer Interaction (HCI), Virtual Reality (VR), Novel Interaction Methods

Nimish Vohra

- **Designation**: Head, School of Design
- **Email**: nimishvohra@iitj.ac.in
- **Research Areas**: Foundational Courses in Design, Design History, Design Pedagogy, Craft-based Ventures, Entrepreneurship, Marketing

Pranjal Protim Borah

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- **Research Areas**: Human-Computer Interaction (HCI), Human-Robot Interaction (HRI), Multi-sensory UX Design, Interaction Techniques, Haptics, Ageing and Accessibility, Game Design, Extended Reality (XR), Machine Learning

Raj Gopal Menon

- **Designation**: Adjunct Faculty
- **Research Areas**: Medical Equipment, Consumer Electronics, Plastic and Sheet Metal Forming, Solidworks

Ravi Poovaiah

- **Designation**: Adjunct Faculty
- **Research Areas**: Collaborative Environments; Design, Technology, and Culture; Social Media Interaction Design; New Media Design

Ruchi Shah

- **Designation**: Guest Faculty
- **Research Areas**: Narrative Illustration, Murals, Graphic Facilitation, Cultural Practitionership, Solopreneurship

Sarnath Banerjee

- **Designation**: Adjunct Faculty
- **Research Areas**: Visual Narrative, Graphic Novels, Comics, Contemporary Visual Narrative Practices, Performance Comics, Graphic Reportage

Satyaji Vetoskar

- **Designation**: Adjunct Faculty
- **Research Areas**: Product Design, Sustainability, Design as Art, Craft Entrepreneurship

Shimmila Bhowmick

- **Designation**: Assistant Professor
- **Email**: shimmilabhowmick@iitj.ac.in
- **Research Areas**: Human-Computer Interaction (HCI), Virtual Reality (VR), Novel Input Interaction Techniques, Gesture-Based Interaction, UX Design, Perception in VR, Accessibility, Computational Interaction

Sumana Som

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- **Email**: sumanasom@iitj.ac.in
- **Research Areas**: Content Design in XR Technology, User Interface Design in XR, Visual Culture, Storytelling and Interactivity in Visual Narratives, Experimental Art Practice, Design Aesthetics, New Media Art, Art Craft and Toy Design, Game Design, Research Design in Creative Practice, Practice-Based Research

Sunil Kumar Lohar

- **Designation**: Assistant Professor
- **Email**: sunillohar@iitj.ac.in
- **Research Areas**: Visual Arts, Indian Folk Paintings, Aesthetics, Communication Design, Formal Theories of Arts, Digital Storytelling, Philosophy of Art

Venkatesh Rajamanickam

- **Designation**: Adjunct Faculty
- **Research Areas**: Human-Computer Interface Design, Data Visualization, Technology and Learning, Design History, Affordable Housing

14.

Faculty:

Faculty Members :

1. **Bio Science Engineering :**
   Amit Kumar Mishra (Professor) : **Head of Department**
   Research: Neuroscience, Cell Cycle Regulation, Cancer
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   Sreejith Krishnan

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- **Phone**: 0291 280 1465
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Area**: Numerical Optimization; Multi-objective Optimization; Interval Analysis.

Moni Kumari

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- **Ph.D.**: National Institute of Science Education and Research (NISER), Bhubaneswar
- **Research Area**: Number Theory.

Moumita Mandal

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- **Phone**: 0291 280 1459
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Area**: Numerical Functional Analysis, Integral Equation.

Nil Kamal Hazra

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- **Phone**: 0291 280 1458
- **Ph.D.**: IISER Kolkata
- **Research Area**: Reliability Theory, Applied Probability.

Pradip Sasmal

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- **Phone**: 0291 280 1462
- **Ph.D.**: Indian Institute of Technology Hyderabad (IITH)
- **Research Area**: Frame theory; Sparse optimization theory; Reinforcement learning and their applications.

Puneet Sharma

- **Designation**: Associate Professor
- **Email**: puneet@iitj.ac.in
- **Phone**: 0291 280 1455
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Area**: Topological Dynamics, Low Dimensional Chaos.

Subhash Bhagat

- **Designation**: Assistant Professor
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- **Phone**: 0291 280 1468
- **Ph.D.**: Indian Statistical Institute
- **Research Area**: Distributed algorithms for Swarm Robotics, Multi-agent systems, Distributed network algorithms.

Tuhina Mukherjee

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- **Phone**: 0291 280 1464
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Area**: Analysis of Partial Differential Equations.

Vivek Vijay

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- **Phone**: 0291 280 1454
- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Area**: Financial Risk Analysis, Categorical Data Analysis, Regression.

Abhishek Sarkar

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- **Phone**: 0291 280 1461
- **Ph.D.**: Tata Institute of Fundamental Research Centre for Applicable Mathematics
- **Research Area**: Elliptic partial differential equations.

7. Mechanical Engineering

1. Ashok Joshi

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- **Research Area**: Dynamics & Control of Flexible Vehicles; Navigation & Guidance; Space Mechanics; Unmanned Systems and Swarms

2. Amrita Puri

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- **Phone**: 0291 280 1518
- **Research Area**: Active noise control; Active vibration control; Experimental modal analysis; Acoustics

3. Anand Krishnan Plappally

- **Designation**: Professor
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- **Phone**: 0291 280 1507
- **Research Area**: Water, Water Management and Characterization of Engineered Materials

4. Arun Kumar R

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- **Phone**: 0291 280 1516
- **Research Area**: Experimental Aerodynamics - Confined Jets, Shock Wave Reflection and Transitions, Ejector Flows

5. Ashish Pathak

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- **Phone**: 0291 280 1525
- **Research Area**: Fluid-Structure Interaction; Ocean Energy; Phase-Change Problems; Multiphase flows; High Performance Computing

6. Atul Kumar Sharma

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- **Phone**: 0291 280 1522
- **Research Area**: Solid Mechanics; Continuum Mechanics; Computational Solid Mechanics; Mechanics of Soft Active Materials; Wave Propagation in Soft Active Composite Materials; Topology Optimization

7. B. Ravindra

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- **Email**: ravib@iitj.ac.in
- **Phone**: 0291 280 1503
- **Research Area**: Design, Dynamics, Vibration and Control

8. Barun Pratiher

- **Designation**: Associate Professor
- **Email**: barun@iitj.ac.in
- **Phone**: 0291 280 1505
- **Research Area**: Dynamics of Machines and Structures, Flexible Robots, MEMS, Rotor Dynamics, Nonlinear Oscillations

9. C. Venkatesan

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- **Phone**: 0291 280 1513

- **Research Area**: Helicopter Dynamics and Aeroelasticity, Design of Autonomous Mini Helicopters, and Smart Structure Analysis

10. Chandan Pandey

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- **Phone**: 0291 244 1514
- **Research Area**: Welding, Heat treatment, Nuclear grade material, Mechanical behavior of materials, Material processing

11. Gourhari Ghosh

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- **Phone**: 0291 280 1523
- **Research Area**: Ultra-precision Finishing; Laser-based Additive Manufacturing; Thermal Spray Coating; Tribology

12. Hardik Kothadia

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- **Phone**: 0291 280 1512
- **Research Area**: Multiphase Flow, Boiling and Condensation, Heat Transfer, Fluid Mechanics, Gasification

13. Harshal Akolekar

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- **Research Area**: Aerodynamics; Computational Fluid Dynamics; Machine Learning; Submarine Hydrodynamics; Turbomachinery

14. Hirshikesh

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- **Research Area**: Computational Fracture Mechanics, Computational Solid Mechanics, Adaptive re-meshing strategy, Phase-field method

15. Jayant Kumar Mohanta

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- **Phone**: 0291 280 1524
- **Research Area**: Planar Parallel manipulators; Lower limb rehabilitation robots; Medical robotics; Robot manipulator kinematic and dynamic control, Mechanism design and Analysis

16. Jaywant H Arakeri

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- **Research Area**: Fluid mechanics; Heat transfer; Turbulent flows

17. Kaushal A. Desai

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- **Phone**: 0291 280 1509
- **Research Area**: CAD/CAM, CNC Machine Tools, Smart Manufacturing, Product Design and Development

18. Nipal Deka

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- **Research Area**: Crystal Plasticity; Deformation micromechanics; Computational & Experimental Mechanics; Fracture Mechanics; Microstructures

19. Nipun Arora

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- **Phone**: 0291 280 1519
- **Research Area**: Flapping wing aerodynamics; Fluid-structure interaction; CFD with Lattice Boltzmann method; Turbulence and moving boundary simulations; High performance computing; Electrorheological Fluids

20. Prodyut Ranjan Chakraborty

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- **Research Area**: Heat and mass transfer, Latent heat storage for high temperature applications, Alloy solidification process, Solar cooling systems, Electronic cooling

21. Rahul Chhibber

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- **Research Area**: Welding and joining, Manufacturing and materials processing, Mechanical behavior of materials

22. Riby Abraham Boby

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- **Research Area**: Robotics; Machine Vision; Robot calibration; Automated Visual Inspection; Industrial robots; Human-Machine Interface

23. Shobhana Singh

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- **Research Area**: Thermal energy systems; Solar dryers; Heat pumps; Heat and mass transfer; System optimization; Renewable energy integration; Electrochemical carbon capture

24. Shrutidhara Sarma

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- **Research Area**: Thin film nanocomposite temperature sensors, Nanocomposite materials, Flexible sensors

25. Sudipto Mukhopadhyay

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- **Research Area**: Energy Technology, Combustion, CFD, Turbulent flows, Sprays

26. Suril Shah

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- **Research Area**: Robotics, Multibody Dynamics, Control

27. Vignesh T.G.

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- **Research Area**: Multiphase flows; Dynamics of drops, bubbles & particles; Thin film flows

28. Ankur Gupta

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- **Research Area**: Microsystems Fabrication

29. Hardik Kothadia

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- **Phone**: 0291 280 1512
- **Research Area**: Multiphase Flow, Boiling and Condensation, Heat Transfer, Fluid Mechanics, Gasification

8. Metallurgical and Materials Engineering

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- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Computational Thermodynamics for Alloy Design, Solidification Studies on Light Alloys, Biodegradable Magnesium Alloys, Self-Cleaning Coating

Abir Bhattacharyya

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- **Ph.D.**: University of Florida
- **Research Areas**: Mechanical Behavior of Materials, Fatigue of Bearing Steels, High-Strain Rate Deformation of Materials, Indentation Response of Materials

Amitava Banerjee

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- **Ph.D.**: Uppsala University, Sweden
- **Research Areas**: DFT, Molecular Dynamics, Crystal Structure Prediction, Hydrogen and Oxygen Evolution Reactions (HER, OER), 2D Catalysts, Solar Cells, 2D Anodes, Battery Thermodynamics and Kinetics Modeling, Defect Engineering, Oxide Growth

Appala Naidu Gandi

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- **Ph.D.**: Imperial College, London
- **Research Areas**: First-Principles Calculations, Molecular Dynamics, Thermoelectric Transport, Lattice Dynamics, Mechanical Behavior, ab initio Characterization

Bhagwati P. Kashyap

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- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Thermo-Mechanical Treatment, Deformation Behavior, Microstructure Evolution, Superplasticity and Creep, Grain Boundary Phenomena, Advanced Materials

Devendra Singh Negi

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- **Ph.D.**: JNCASR Bangalore
- **Research Areas**: Experimental and Computational Electron Microscopy, EMCD, DFT, Quantum Materials, Thermoelectric Materials, Magnetic Materials

Jaiveer Singh

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- **Research Areas**: Microstructure-Mechanical Property Correlation, Deformation and Fracture Mechanisms, Metal Forming Processes, Additive Manufacturing, Thermo-Mechanical Processing of Materials

Koundinya NTBN

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- **Phone**: 0291 280 1558
- **Ph.D.**: Indian Institute of Technology Madras
- **Research Areas**: Sustainable Metallurgy, Creep, High-Temperature Deformation, Additive Manufacturing, Light Alloys

Lalit

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- **Phone**: 0291 280 1565
- **Ph.D.**: Sunchon National University, South Korea
- **Research Areas**: Computational Materials Science, Crystal Plasticity Simulations, Grain Growth Simulations, Machine Learning for Materials Engineering

Nitin Sharma

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- **Phone**: 0291 280 1560
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Phase Transformations, Grain Boundary Engineering, Thermo-Mechanical Processing, Electron Microscopy, Atom Probe Tomography, Computational Thermodynamics

Pranay Ranjan

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- **Ph.D.**: Indian Institute of Technology Patna
- **Research Areas**: 2D Materials Synthesis and Applications in Sensing and Environmental Remediation

Saurabh Nene

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- **Phone**: 0291 280 1559
- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Alloy Design, Additive Manufacturing, High Entropy Alloys, Friction Stir Welding and Processing

Sk Md Hasan

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- **Phone**: 0291 280 1561
- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Phase Transformations, High Strength Bainitic/Martensitic Steels, Thermomechanical Processing, Microstructure-Property Correlation

Srijan Sengupta

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- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas:** Lithium ion Batteries, Electrochemistry

9. Physics

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- **Ph.D.**: Wayne State University
- **Research Areas**: Semiconductors, Multifunctional Ferroics & Materials for Energy, Photovoltaic Materials & Devices, ab initio DFT Study, Device Simulations

Amit Mukherjee

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- **Ph.D.**: University of Calcutta (Indian Statistical Institute, Kolkata)
- **Research Areas**: Quantum Foundations, Quantum Information Theory, Quantum Communication Theory, Quantum Technologies

Chandan Datta

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- **Phone**: 0291 280 1623
- **Ph.D.**: Institute of Physics, Bhubaneswar
- **Research Areas**: Quantum Entanglement, Quantum Resource Theories, Quantum Information, Quantum Computation

Amitava Mitra

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- **Ph.D.**: Indian Institute of Technology Kharagpur
- **Research Areas**: Magnetism, Magnetic Materials, Electromagnetic Techniques for Non-Destructive Evaluation

Ashutosh Kumar Alok

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- **Ph.D.**: Indian Institute of Technology Bombay
- **Research Areas**: Particle Physics, Cosmology

B M Krishna Mariserla

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- **Phone**: 0291 280 1614
- **Ph.D.**: University of Hyderabad
- **Research Areas**: Light-Matter Interactions, Ultrafast Spectroscopy, Terahertz Spectroscopy, Higher Harmonic Generation

Durgamadhab Mishra

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- **Phone**: 0291 280 1610
- **Ph.D.**: Ruhr University Bochum
- **Research Areas**: Magnetic Thin Films, Permanent Magnets, Synchrotron and Neutron Scattering

Jitendra Kumar

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- **Research Areas**: Experimental High Energy Physics, Particle Detection Techniques, Machine Learning in High Energy Physics

Monika Sinha

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- **Ph.D.**: Jadavpur University
- **Research Areas**: Astrophysics, Astroparticle Physics

Prabhat Jaiswal

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- **Ph.D.**: Jawaharlal Nehru University
- **Research Areas**: Statistical and Computational Physics of Soft Matters

Ram Prakash

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- **Research Areas**: Plasma Science & Technology, Low Temperature Plasma Applications

Reetanjali Moharana

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- **Research Areas**: Astroparticle Physics, High Energy Cosmic Rays, Gamma Rays, Neutrinos

Santosh Mogurampelly

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- **Ph.D.**: Indian Institute of Science Bangalore
- **Research Areas**: Multiscale Modeling of Soft Matter Physics, Materials Science

Satyajit Sahu

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- **Phone**: 0291 280 1608

- **Ph.D.**: Jadavpur University
- **Research Areas**: 2D-TMDC Based Semiconductor Devices, Quantum Dot-Based Devices, Organic Semiconductor, Perovskite-Based Solar Cells

Shahab Ahmad

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- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Areas**: Condensed Matter Physics, Nanomaterials, Optoelectronics, Energy Storage Devices

Somnath Ghosh

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- **Phone**: 0291 280 1609
- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Areas**: Non-Hermitian and Topological Photonics, Photonic Time Crystals, Specialty Optical Fibers

Subhashish Banerjee

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- **Phone**: 0291 280 1603
- **Ph.D.**: School of Physical Sciences, Jawaharlal Nehru University
- **Research Areas**: Open Quantum Systems, Quantum Information, Non-Equilibrium Statistical Mechanics

Sunita

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- **Ph.D.**: Banaras Hindu University, Varanasi
- **Research Areas**: Theoretical Soft Matter, Physics of Living Organisms, Charge Regulation on Biomolecules

V. Narayanan

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- **Phone**: 0291 280 1607
- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Optics and Solar Field Design, Plasmonics, Laser Produced Plasmas, Pulsed Laser Deposition

10. School of Management and Entrepreneurship

Anuj Pal Kapoor

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- **Research Areas**: Consumer Behavior, Multi-sensory Experiences, Neuro-marketing, Design Aesthetics

Bhargab Chattopadhyay

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- **Research Areas**: Inference, Sequential Analysis

Deepak Kumar Saxena

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- **Research Areas**: Management Information Systems

Devi Prasad Dash

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- **Ph.D.**: IIT Ropar
- **Research Areas**: Energy Economics, Economics of Climate Change, Economics of Crime, Empirical Macroeconomics, Green Economics

Jangam Bhushan Praveen

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- **Research Areas**: International Trade, Global Value Chains, Macroeconomic Interactions

Jitesh Mohnot

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- **Ph.D.**: IIM Trichy
- **Research Areas**: Strategy-as-Practice, Indigenous Business Communities, Value Appropriation, Ethnographic Approach to Strategy and Entrepreneurship

Krishna Kumar Balaraman

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- **Ph.D.**: IIT Madras
- **Research Areas**: Strategic and Public Policy

Manu Kanchan

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- **Ph.D.**: IIT Kanpur
- **Research Areas**: Branding, Intellectual Property (Patents, Trademarks & Competition)

Mithu Rani Kuiti

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- **Research Areas**: Decision Sciences, Operations

Monika Tanwar

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- **Research Areas**: Industry 4.0, Cyber Physical Systems, Prognostics, Health Management

Seema Saini

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- **Research Areas**: Macro-Finance, Firm Dynamics, Applied Econometrics

Venkat Ram Reddy Ganuthula

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- **Research Areas**: Human Capital, Organisational Dynamics

Venkatesha Murthy R

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- **Ph.D.**: TISS Mumbai
- **Research Areas**: Innovation, Entrepreneurship

11. School of Artificial Intelligence and Data Science

12. School of Liberal Arts

Alok Ranjan

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- **Ph.D.**: Tata Institute of Social Sciences, Mumbai
- **Research Areas**: Public Health, Universal Health Coverage, Health Systems, Health Economics, Health Equity, Elderly Health, Non-Communicable Diseases, Disability & Rehabilitation

Akanksha Choudhary

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- **Phone**: 0291 280 1413
- **Ph.D.**: IIT Bombay
- **Research Areas**: Development Economics, Education and Health Economics, Unfair Inequalities, Public Policy, Gender Studies

Ankita Sharma

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- **Phone**: 0291 280 1406
- **Ph.D.**: Banaras Hindu University
- **Research Areas**: Gerontology, Clinical and Positive Psychology

Anupama Mohan

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- **Ph.D.**: University of Toronto
- **Research Areas**: Indian Ocean Studies, Working Class Literature, Transmodernity, Environmental Humanities, History of Ideas

Ayla Joncheere

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- **Phone**: 0291 280 1403
- **Ph.D.**: Ghent University, Belgium
- **Research Areas**: Performing Arts, Dance, Music, Anthropology, Cultural Management, Rajasthan

Bhaswati Sarma

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- **Ph.D.**: Visva-Bharati University
- **Research Areas**: Dhrupad Music

Farhat Naz

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- **Ph.D.**: University of Bonn, Germany
- **Research Areas**: Natural Resource Management, Water Governance, Climate Change, Disaster Risk Reduction, Gender

Gopakumar K U

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- **Ph.D.**: Sri Sathya Sai Institute of Higher Learning, Andhra Pradesh
- **Research Areas**: Structural Macroeconomic Modelling, Developmental Studies, Applied Econometrics

Gurujegan Murugesan

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- **Ph.D.**: University of Leipzig, Germany
- **Research Areas**: Theoretical/Formal Linguistics, Syntax

K. J. George

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- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Applied Ethics, Ethics of Technology, Bioethics

Kanak Yadav

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- **Ph.D.**: Jawaharlal Nehru University, New Delhi
- **Research Areas**: Literature and Cities, Dalit Literature, Indian English Writing, Postcolonial Anglophone Novel

Natasa Thoudam

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- **Phone**: 0291 280 1417
- **Ph.D.**: IIT Bombay
- **Research Areas**: Literary Studies, Gender Studies, Religious Studies, Comic Studies, Performance Studies, Digital Humanities (focused on India's Northeast)

Parichay Patra

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- **Research Areas**: Devanagari Typography, History of Type Design in India, Type Design Methodologies, Type & Culture, Culture-sensitive Interaction Design, Indian Language Interfaces

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- **Research Areas**: Human-Computer Interface Design, Data Visualization, Technology and Learning, Design History, Affordable Housing

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5. Electrical Engineering

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2. Aashish Mathur

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4. Ajay Agarwal

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- **Research Area**: Variable Structure Systems, Sliding Mode Control

16. Binod Kumar

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- **Research Area**: SoC Design Verification, Hardware Security

17. Deepakkumar M. Fulwani

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- **Research Area**: Embedded Control, Control of Micro-Grids

18. Harshit Agarwal

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- **Research Area**: Compact Modeling, Energy Efficient Transistors

19. Himanshu Kumar

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- **Research Area**: Image and Video Processing, Deep Learning

20. Jai Narayan Tripathi

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- **Research Area**: VLSI Circuits, Signal Integrity

21. Kamaljit Rangra

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- **Research Area**: MEMS, Transducers

22. Kunwar Aditya

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- **Research Area**: Power Electronics, Transportation Electrification

23. Mahesh Kumar

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- **Research Area**: Quantum Structures, Nanostructures

24. Manish Narwaria

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- **Research Area**: Multimedia Signal Processing

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- **Research Area**: Dynamics and Control

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- **Research Area**: Power System Optimization, Renewable Energy

28. Nitin Bhatia

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- **Research Area**: Fiber Optics, Photonics

29. Rajendra Nagar

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- **Research Area**: Computer Vision, 3D Shape Analysis

30. Rajlaxmi Chouhan

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- **Research Area**: Image Processing, e-Learning

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- **Research Area**: Power System Dynamics, AI/ML in Power Systems

32. Saakshi Dhanekar

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34. Sandeep Kumar Yadav

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- **Research Area**: Signal Processing, Condition Monitoring

35. Shree Prakash Tiwari

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- **Research Area**: Microelectronics, Organic Electronics

36. Soumava Mukherjee

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- **Research Area**: Microwave Communication

37. Suraj Srivastava

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- **Research Area**: Sparse Signal Processing, RadCom

6. Mathematics

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- **Ph.D.**: SUNY at StonyBrook, USA and RUG
- **Research Area**: Smooth Dynamical Systems, Renormalization of Unimodal maps and Henon-like maps.

Kuntal Som

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- **Research Area**: Mathematics.

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- **Research Area**: Cryptology, Cryptographic Boolean Functions.

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- **Research Area**: Algebra (Group Theory).

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- **Ph.D.**: Indian Institute of Technology Madras
- **Research Area**: Hydrodynamic Instability; Differential Equations; Lie Groups Applications; Dynamical Systems.

Gaurav Bhatnagar

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- **Ph.D.**: Indian Institute of Technology Roorkee
- **Research Area**: Wavelet Analysis, Fractional Transform Theory, Multimedia Security, Image Processing, Information Fusion.

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- **Ph.D.**: University of Twente
- **Research Area**: Theoretical, mathematical and computational aspects of wave-matter interactions.

Md Abu Talhamainuddin Ansary

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- **Research Area**: Numerical Optimization; Multi-objective Optimization; Interval Analysis.

Moni Kumari

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- **Research Area**: Number Theory.

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- **Research Area**: Numerical Functional Analysis, Integral Equation.

Nil Kamal Hazra

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- **Ph.D.**: IISER Kolkata
- **Research Area**: Reliability Theory, Applied Probability.

Pradip Sasmal

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- **Ph.D.**: Indian Institute of Technology Hyderabad (IITH)
- **Research Area**: Frame theory; Sparse optimization theory; Reinforcement learning and their applications.

Puneet Sharma

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- **Ph.D.**: Indian Institute of Technology Delhi
- **Research Area**: Topological Dynamics, Low Dimensional Chaos.

Subhash Bhagat

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- **Ph.D.**: Indian Statistical Institute
- **Research Area**: Distributed algorithms for Swarm Robotics, Multi-agent systems, Distributed network algorithms.

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- **Research Area**: Analysis of Partial Differential Equations.

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- **Research Area**: Financial Risk Analysis, Categorical Data Analysis, Regression.

Abhishek Sarkar

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- **Research Area**: Elliptic partial differential equations.

7. Mechanical Engineering

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3. Anand Krishnan Plappally

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4. Arun Kumar R

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- **Research Area**: Experimental Aerodynamics - Confined Jets, Shock Wave Reflection and Transitions, Ejector Flows

5. Ashish Pathak

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8. Barun Pratiher

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12. Hardik Kothadia

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15. Jayant Kumar Mohanta

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19. Nipun Arora

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- **Research Area**: Flapping wing aerodynamics; Fluid-structure interaction; CFD with Lattice Boltzmann method; Turbulence and moving boundary simulations; High performance computing; Electrorheological Fluids

20. Prodyut Ranjan Chakraborty

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23. Shobhana Singh

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- **Research Area**: Thermal energy systems; Solar dryers; Heat pumps; Heat and mass transfer; System optimization; Renewable energy integration; Electrochemical carbon capture

24. Shrutidhara Sarma

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- **Research Area**: Thin film nanocomposite temperature sensors, Nanocomposite materials, Flexible sensors

25. Sudipto Mukhopadhyay

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- **Research Area**: Energy Technology, Combustion, CFD, Turbulent flows, Sprays

26. Suril Shah

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- **Research Area**: Robotics, Multibody Dynamics, Control

27. Vignesh T.G.

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- **Research Area**: Multiphase Flow, Boiling and Condensation, Heat Transfer, Fluid Mechanics, Gasification

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- **Research Areas**: DFT, Molecular Dynamics, Crystal Structure Prediction, Hydrogen and Oxygen Evolution Reactions (HER, OER), 2D Catalysts, Solar Cells, 2D Anodes, Battery Thermodynamics and Kinetics Modeling, Defect Engineering, Oxide Growth

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- **Research Areas**: Microstructure-Mechanical Property Correlation, Deformation and Fracture Mechanisms, Metal Forming Processes, Additive Manufacturing, Thermo-Mechanical Processing of Materials

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Lalit

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- **Research Areas**: Computational Materials Science, Crystal Plasticity Simulations, Grain Growth Simulations, Machine Learning for Materials Engineering

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- **Research Areas**: Phase Transformations, High Strength Bainitic/Martensitic Steels, Thermomechanical Processing, Microstructure-Property Correlation

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- **Research Areas:** Lithium ion Batteries, Electrochemistry

9. Physics

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- **Research Areas**: Quantum Foundations, Quantum Information Theory, Quantum Communication Theory, Quantum Technologies

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- **Research Areas**: Quantum Entanglement, Quantum Resource Theories, Quantum Information, Quantum Computation

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- **Research Areas**: Particle Physics, Cosmology

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- **Ph.D.**: University of Hyderabad
- **Research Areas**: Light-Matter Interactions, Ultrafast Spectroscopy, Terahertz Spectroscopy, Higher Harmonic Generation

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- **Research Areas**: Experimental High Energy Physics, Particle Detection Techniques, Machine Learning in High Energy Physics

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- **Research Areas**: Statistical and Computational Physics of Soft Matters

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- **Research Areas**: Multiscale Modeling of Soft Matter Physics, Materials Science

Satyajit Sahu

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- **Research Areas**: 2D-TMDC Based Semiconductor Devices, Quantum Dot-Based Devices, Organic Semiconductor, Perovskite-Based Solar Cells

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Somnath Ghosh

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- **Research Areas**: Non-Hermitian and Topological Photonics, Photonic Time Crystals, Specialty Optical Fibers

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- **Research Areas**: Open Quantum Systems, Quantum Information, Non-Equilibrium Statistical Mechanics

Sunita

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- **Research Areas**: Theoretical Soft Matter, Physics of Living Organisms, Charge Regulation on Biomolecules

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- **Ph.D.**: Indian Institute of Technology Kanpur
- **Research Areas**: Optics and Solar Field Design, Plasmonics, Laser Produced Plasmas, Pulsed Laser Deposition

10.   School of Management and Entrepreneurship

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- **Research Areas**: Inference, Sequential Analysis

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11. School of Artificial Intelligence and Data Science

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13. School of Design

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Deepak John Mathew

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Girish Dalvi

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- **Research Areas**: Devanagari Typography, History of Type Design in India, Type Design Methodologies, Type & Culture, Culture-sensitive Interaction Design, Indian Language Interfaces

Jayesh Pillai

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Jhumkee Iyengar

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Keyur Sorathia

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Ravi Poovaiah

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Ruchi Shah

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