Information for Prospective Faculty

Department of Chemical Engineering
IIT KANPUR
About us

We rank among the best in the nation and our dedication towards academic and research excellence is highly recognised nationally and internationally. Since the inception of the department in 1959, the strong research ethos has been carefully nurtured and passed on through the generations. A hallmark of our department is the zeal and emphasis on quality education as reflected in the over 50 ChemE textbooks written by our faculty, many receiving international acceptance. Through this wholesome commitment over the years, we are at the forefront of chemical engineering education and research, contributing significantly to the socioeconomic growth of the country and the world. Our fundamental values are centred around providing an intellectually stimulating environment for both students and faculty. Our alumni continue to excel after graduation and distinguish themselves in both academia and industry.

For more details visit: https://www.iitk.ac.in/che

State-of-the-art research facilities

- Dedicated Post Graduate Research Lab
- Nano Science Center
- Advanced Imaging Center
- Center for Environmental Science
- Flexible Electronics Center
- High-Performance Computing Facility
- Medical Research Center (upcoming)

Research Themes

- Energy and Sustainability
- Biotechnology and Bio-systems
- Theory, Computation and Machine Learning
- Complex fluids and Soft Matter
- Catalysis and Reaction Engineering
- Materials and Nanotechnology
Prospective Faculty

Department of Chemical Engineering, IIT Kanpur welcomes applications at all levels. Candidates should hold a PhD with strong academic background and commitment to high quality education (both UG and PG level) and innovative research. New faculty are promptly supported by the Institute through healthy start-up grants, travel support, spacious lab and office spaces, ample on campus housing etc.

IIT Kanpur is renowned for its liberal ambience and dynamism, and we would love to welcome you amidst its fraternity of scholars, staff, and students. For more details visit: https://www.iitk.ac.in/dofa/faculty-benefits

- Top-up fellowship for 3 years at joining
- Complete freedom over academics & research
- Non-hierarchical distribution of resources
- Highly competent faculty and students
- Access to modern research facilities
- Funding for at least one postdoc from the Institute
- Appealing research seed funding opportunities for new faculty
- Opportunity to actively engage with startups and participate in incubation process

Soumik Das: “The strong academic culture of IITK, and the scope of collaborations both within and outside the department were key factors in joining the ChemE department” (Previously Postdoc at Cornell University)

Akash Choudhary: “In addition to a unique pedagogical outlook on research, the camaraderie and synergy among colleagues motivated me to join the ChemE department” (Previously Postdoc at TU Berlin)

Ishan Bajaj: “I joined this ChemE department because of the rigorous academic programmes and the impactful scientific research conducted by the faculty and the students” (Previously Asst. Prof. at IIT Roorkee)
Campus Life

- Modern spacious on-campus housing in lush green, serene and safe environment
- On-campus amenities including dedicated sports complex, gliding club, gyms swimming pool, yoga centers etc
- Shopping centers to cater everyday basic needs, banks and eateries
- Fully functional day care & schools for kids (upto senior secondary)
- Round the clock Health Center for medical needs.
- Dedicated spouse employment cell
- Upcoming School of Medical Research and Technology (500 bed hospital)
- Vigilant security ensures safety of all campus residents
- Good connectivity to other cities via air, rail and road
- Metro connects IIT campus to the city

Centres & Facilities

Centres

- Advanced Centre for Material Science (ACMS)
- Advanced Centre for Electronic Systems (ACES)
- Advanced Imaging Centre
- Centre for Environmental Science & Engineering
- Centre for Mechatronics
- Centre for Lasers and Photonics
- Computer Aided Design Laboratory
- Centre for Nanosciences
- Prabhu Goel Research Centre for Computer and Internet Security
- Samtel Centre for Display Technologies
- SIDBI Innovation and Incubation Centre
- Center for Mathematical Sciences
- Syndicate Bank Entrepreneurship Research and Training Centre (SBERTC)
- Centre for Continuing Education (CCE)
- Electronic and ICT Academy (EICT Academy)
- Centre for Energy Regulation (CER)
- Center for Ganga River Basin Management and Studies
- Energy Analytics Lab (EAL)
- Rice-IITK Collaborative Center
- Mehta Family Centre for Engineering in Medicine
- IIT Kanpur-La Trobe University Research Academy
- Chandrakanta Kesavan Center for Energy Policy and Climate Solutions
- Just Transition Research Centre (JTRC)
- MedTech IIT Kanpur

Departments

Engineering
- Aerospace Engineering
- Biological Sciences & Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Science & Engineering
- Design
- Electrical Engineering
- Management Sciences
- Materials Science & Engineering
- Mechanical Engineering
- Sustainable Energy Engineering

Inter-disciplinary Programs
- Materials Science Programme
- Nuclear Engineering & Technology
- Photonics Science and Engineering Programme

Medical School

- Upcoming Gangwal School of Medical Sciences and Technology

Sciences

- Chemistry
- Cognitive Science
- Earth Sciences
- Mathematics & Statistics
- Physics

Management

- Department of Management Sciences

Contact Information:

+91-512-259-7629  https://www.iitk.ac.in/che/  head_che@iitk.ac.in