DESIGN
POST GRADUATE PROGRAM
The Department of Design at IIT Kanpur is an interdisciplinary space which educates and conducts research in the area of design, and solves real-world problems. The Department fosters a highly collaborative work environment involving students, researchers, academicians and businesses for promoting knowledge-sharing and experience-exchange.

The Department of Design is centered around our students. Our students learn by doing, through experimentation, and through collaboration. They focus on innovation and on bringing new, practical, and cool ideas to the table. Our academic programs help them emerge as designers who can provide design-leadership by conceptualizing and developing meaningful solutions for industrial and societal problems. We want our students to be the best in the world. Thus, we are always exploring creative ways to enhance our academic programs so that our students' quality and research output is of world-class level. Toward this we work on enhancing our students' capabilities along several dimensions; ability to conduct research and innovate, creativity and ideation, critical analysis, prototyping, decision making, and leadership. Our curriculum is multifaceted as well. It draws in knowledge from all areas relevant to a designer: design-thinking, science and technology, user experience, communication, business logic, and sustainability.

The Department of Design is all about creativity, innovation, human values, hands-on skills, and analytical acuity. We are seeking applications for our doctoral and master's programs from candidates who aspire to provide design leadership.
POST-GRADUATE PROGRAMMES OFFERED

Master of Design
- Product engineering design
- Communication design
- User experience design

Doctor of Philosophy
- Product and industrial design
- Mobility design
- Visual communication
- Engineering design
- User Experience design
- Interaction design
- Film making
- Systems design
- Design theory
- Design management
LABS/FACILITIES

The Department has an excellent suite of labs and facilities to help our students' design needs. These facilities can be clubbed into three groups.

PROTOTYPE FABRICATION AND FINISHING

3-D printers: Zprinter650 and Raise 3D-pro
CNC cutting machine
Laser marking and etching machine
Lathe, milling, drilling, and grinding machines
Laser cutting machine
Leather stitching, and component splitting machine
Plant for phosphating, anodizing, and zinc plating
A robust suite of large number of hand operated tools
Hot Wire foam Cutter
Sheet metal shear machine

METROLOGY AND REVERSE ENGINEERING

Steinbichler 3D Scanner system
Double pole height gage
An entire suite of micrometres, vernier callipers, and other metrology equipment
Three-point internal micrometer.

DIGITAL DESIGN HARDWARE AND SOFTWARE

Wacom Tablets 24.1
HD 4K display computers- iMac with Retina 4K
3-D Digital Image Correlation System
Desks with a comprehensive suite of design software
Our faculties come from many different backgrounds and disciplines who contribute to teaching as well as research in the Department of Design. Additionally, we have several adjunct faculty members from the industry and academia. Finally, we also draw expertise in terms of development of courses, academic research and consulting from several other faculty members of IIT Kanpur. Given below is a list of our permanent and adjunct faculties.

**Mainak Das**, PhD (University of Central Florida)
Bio Design & Biomimetic

**Koumudi P Patil**, PhD (IDC, IITB)
Communication Design, Design Thinking and Research Methods, Frugal Innovation for creative Industry

**J Ramkumar**, Ph.D (IIT Madras)
Design products for inclusive society, Design products for rural India, Design products for children

**Satyaki Roy**, Ph.D (Visva Bharati University)
Communication Design, Films and Media, Folk Art and Crafts, Creativity

**Nachiketa Tiwari**, Ph.D (Virginia Tech)

**Adjunct Faculties**

**Dr. Avinash Shende**
Industrial Design

**Dr. D. Udaya Kumar**
Typography, and Design Principles

**Dr. Nishant Sharma**
Product Design

**Dr. Raman Saxena**
Design Thinking, Ergonomics

**Dr. Jhumkee Iyengar**
User Experience Design
BROAD RESEARCH AREAS

Our research areas are diverse and multifaceted and touch areas as diverse as: Product/Industrial Design, Mobility Design, Visual Communication, Engineering Design, User Experience Design, Interaction Design, Film Making, Systems Design etc.
DESIGN DEPARTMENT

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