INDIAN INSTITUTE OF TECHNOLOGY KANPUR

DEPARTMENT OF CIVIL ENGINEERING

PLACEMENT BROCHURE

2025 - 26

STUDENTS PLACEMENT OFFICE

ABOUT IIT KANPUR

At the confluence of intellect and innovation stands IIT Kanpur — a beacon of excellence in science, engineering, and technology, and a cradle of nation-building. Established in 1959, by the Government of India, is one of the country's most prestigious and globally respected institution Ranked 5th overall in India (NIRF 2024) and 222nd globally (QS 2025), IIT Kanpur is celebrated for its trailblazing research, transformative education, and cutting — edge innovation). With 8,300+ students, and 2,000+ annual research publications, IITK offers UG, PG, and PhD programs across disciplines. IITK is also home to one of India's top startup incubators. In 2024, it recorded 1,100+ placement offers reflect its national and global impact.

Department of Civil Engineering

Established in 1961, the Department of Civil Engineering at IIT Kanpur is one of the institute's founding and most prestigious departments. It plays a pioneering role in advancing civil engineering education, research, and industry collaboration in India and beyond. The department offers comprehensive academic programs - B.Tech., M.Tech., MS(R), and PhD - supported by world-class laboratories and a highly accomplished faculty. It emphasizes interdisciplinary learning and focuses on key areas such as infrastructure development, sustainability, smart cities, and emerging technologies. The department is actively involved in cutting-edge research, consultancy, and sponsored projects funded by national and international agencies. Its strong industry and academic partnerships help foster innovation and real-world impact. Graduates consistently achieve top placements and pursue influential careers in academia, government, private sector, and entrepreneurship. With its commitment to excellence and forward-thinking approach, the department continues to shape the future of civil engineering and contribute to sustainable and resilient infrastructure globally.

Specifications Offered

- Structural Engineering
- Transportation Engineering
- Environmental Engineering
- Hydraulics & Water Resource Engineering
- Infrastructure Engineering & Management
- Geotechnical Engineering
- Geoinformatics

OUR RANKINGS AT A GLANCE

NIRF NATIONAL INSTITUTIONAL RANKING FRAMEWORK	QS INDIA UNIVERSITY RANKINGS	IIRF SINCE 2015	QS WORLD UNIVERSITY RANKINGS
4th	4th	5th	222nd

FROM THE DESK OF THE HEAD

Greetings!

Department of Civil Engineering, IIT Kanpur, a legacy of over six decades meets the aspirations of the future. Since our inception in 1961, we have been crafting the finest technical minds that industry, research, and academia crave. In the midst of changing technological horizons and evolving industries, the need for brilliant youthful minds with exceptional analytical prowess, an open mind, and inventive problem-solving skills becomes more apparent than ever before. Here, at the Department of Civil Engineering, our mission is to foster comprehensive skill development in students. Through a rigorous curriculum, we offer a wide array of undergraduate and postgraduate courses that cater to the evolving demands of the field. PG students undergo advanced coursework and get exposure to research under the able guidance of faculties who themselves are renowned researchers in their respective fields. The department takes immense pride in encouraging students to participate in a plethora of extracurricular activities spanning sports, culture, dramatics, and music, among others. These endeavors enable them to refine their skills and even manage events within the IIT community, fostering a well-rounded personality. I am confident that our team of placement coordinators will facilitate a smooth and pleasurable hiring process. We are committed to continuous enhancement and welcome any feedback from our esteemed recruiters.

We invite your esteemed organization to engage with our students through placements. I am confident you will find in them not just skilled engineers, but dedicated professionals with a strong foundation and a commitment to excellence. We look forward to your participation in the recruitment drive and wish you the very best!

PROF. PRIYANKA GOSH

Head Of Department

Civil Engineering

IIT Kanpur

Structural Engineering

ABOUT

Structural Engineering at IITK involved in a wide spectrum of activities, including structural design, testing, health monitoring, and performance evaluation of structures. The department is equipped with modern experimental and computational facilities to study load-deformation characteristics of structural systems.

RESEARCH AREA

- Reinforced and prestressed concrete design
- Steel structures
- Seismic-resistant design
- Structural dynamics and earthquake engineering
- Smart and sustainable structures
- Finite element methods and computational mechanics

RELEVANT COURSES

- Earthquake Analysis and Design of Structures
- Finite element method
- Structural dynamics
- Engineering Mechanics
- Experimental methods of Structural Engineering
- Stability of Structures

SOFTWARE USED

ETABS® OpenSees SAP2000 SIMULIA ABAQUS Staad Pro MATLAB

STRUCTURAL ENGINEERING LAB

UNIVERSAL TESTING MACHINE

Explore Here

Hydraulics & Water Resource Engineering

ABOUT

HWRE specialization at IITK undertakes projects to address complicated water engineering problems relating to groundwater, hydrology, river flow & flood plain management sediment transport, stratified flow, pipe flow, hydraulic structures, water distribution, climate change & environmental studies.

RESEARCH AREA

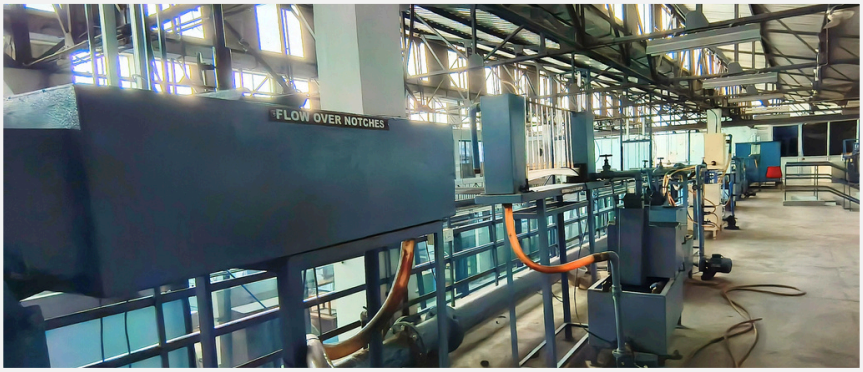
- Design of hydraulic structures
- Forecasting of hydrologic extremes such as droughts and floods
- Irrigation scheduling for optimizing agricultural productivity
- Integrated management of societal and ecological water needs
- Water quality management of surface and subsurface water resources

RELEVANT COURSES

- Computer Methods in Hydraulics & Hydrology
- Flood Modelling
- Hydrometry
- Water Resource System Analysis
- Hydrology & Hydraulics
- Fluid Mechanics Laboratory

SOFTWARE USED

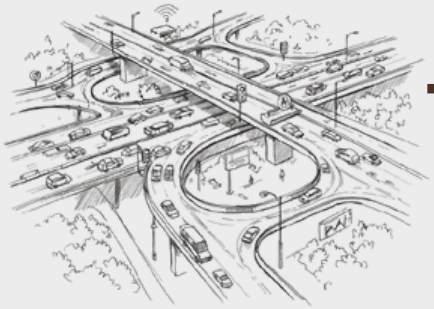
QGIS, RAS, ARDUINO, LINGO



HYDRAULICS LAB

OPEN CHANNEL FLOW EQUIPMENT

Explore Here



Transportation Engineering

ABOUT

Transportation Engineering is a vital domain of civil engineering, focusing on the planning, design, operation, and maintenance of safe, efficient, and sustainable transportation systems. At IIT Kanpur, the Transportation Engineering group is involved in interdisciplinary research and instruction across key areas

RESEARCH AREA

- Traffic flow theory and transportation planning
- Pavement analysis and design
- Intelligent transportation systems (ITS)
- Urban mobility and public transport systems
- Highway safety and geometric design
- Sustainable and low-carbon transport infrastructure

RELEVANT COURSES

- Traffic Engineering
- Analysis and Design of Bituminous Pavements
- Computational Tools for Transportation Engineering
- Traffic Simulation
- Statistical & Econometric Methods for Transportation Engineering

SOFTWARE USED

MATLAB

R Studio

IITPAVE

TRANSPORTATION LAB

TEMPERATURE CHAMBER

NSV

Explore Here

Geotechnical Engineering

ABOUT

Geotechnical Engineering is dedicated to understand the behavior of soil and rock and their interaction with infrastructure. Students gain hands-on experience using industry-standard software and advanced sensing technologies. At IIT Kanpur, the Geotechnical Engineering group is actively engaged in advanced teaching, research, and field applications.

RESEARCH AREA

- Soil mechanics and foundation engineering
- Earth retaining structures and slope stability
- Ground improvement and geosynthetics
- Rock mechanics and tunneling
- Earthquake geotechnical engineering
- Unsaturated and expansive soils

RELEVANT COURSES

- Soil exploration
- Foundation design
- Foundation dynamics
- Reinforced earth structures
- Advanced geotechnical engineering
- Ground improvement techniques
- Rock mechanics

SOFTWARE USED

GeoStudio, PLAXIS, MATLAB, SIMULIA ABAQUS

FEILD TEST

PLATE LOAD TEST

Explore Here

Environmental Engineering

ABOUT

Environmental Engineering is a critical specialization within civil engineering that focuses on developing sustainable solutions to protect and improve environmental quality. At IIT Kanpur, the Environmental Engineering group addresses pressing ecological and public health challenges through advanced education and research.

RESEARCH AREA

- Water and wastewater treatment
- Solid and hazardous waste management
- Air pollution control and modeling
- Environmental impact assessment (EIA)
- Climate change adaptation and mitigation
- Environmental chemistry and microbiology

RELEVANT COURSES

- Physico-chemical Principles And Process
- Ecological And Biological Principles And Process
- Air Pollution And Its Control
- Environmental Quality & Pollution Monitoring Techniques
- Water Supply And Wastewater Disposal Systems
- Atmospheric Physics And Chemistry

EQUIPMENTS

- Elemental Analyzer
- Ion (IC) & Gas chromatography
- High performance liquid chromatography
- Automated Weather Monitoring System

ENVIRONMENT LAB

LAB EQUIPMENTS

Explore Here

Infrastructure Engineering & Management

ABOUT

IEM is a multidisciplinary specialization that combines technical engineering skills with strategic planning and management principles to address the growing complexities of modern infrastructure systems. The group focuses on equipping students to design, optimize, and manage infrastructure projects through instruction and research.

RESEARCH AREA

- Infrastructure planning and project management
- Construction methods and equipment
- Smart cities and urban infrastructure systems
- Risk analysis and life-cycle assessment
- Infrastructure financing and public-private partnerships (PPPs)
- Sustainable development and asset management

RELEVANT COURSES

- Project Planning & Controls
- Infrastructure Asset Management
- Construction Economics & Infrastructure Financing
- Quality & Safety Management
- Contract Management
- Advanced Concrete Technology

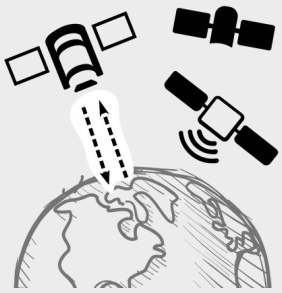
SOFTWARE USED

AUTOCAD Excel P6 ORACLE

NON DESTRUCTIVE TESTING

CONSTRUCTION TECHNOLOGY & PROJECT MANAGEMENT

Explore Here



Geoinformatics

ABOUT

Geoinformatics leverages spatial data, remote sensing, & advanced geospatial technologies to solve complex engineering & environmental problems. At IIT Kanpur, the Geoinformatics group integrates data science, satellite technologies, & modeling tools to support intelligent infrastructure & resource management.

RESEARCH AREA

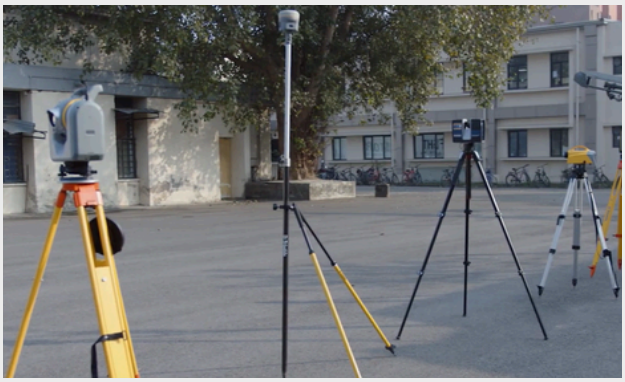
- Remote sensing
- Geographic Information Systems (GIS)
- Digital Image Processing
- Synthetic Aperture Radar(SAR)
- LiDAR & Photogrammetry
- Global Navigation Satellite Systems (GNSS)
- Geodesy related feilds

RELEVANT COURSES

- Geographical Information System
- Adjustment Computations
- Remote Sensing
- Machine Processing of Remotely Sensed Data
- Global Navigation Satellite System (GNSS)
- Laser Scanning and Photogrammetry (LiDAR)
- Satellite and Physical Geodesy

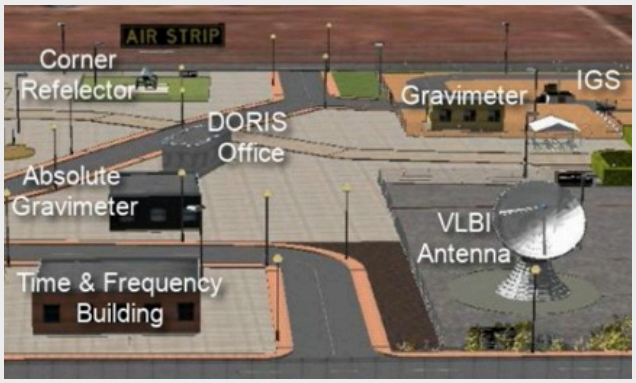
SOFTWARE USED

ArcGIS, QGIS, Trimble, GAMIT/GLOBK, Bernese, MATLAB, GipsyX, FUGRO, GeoPandas, SNAP, CloudCompare, ENVI



SURVEYING INSTRUMENTS

IGS STATION

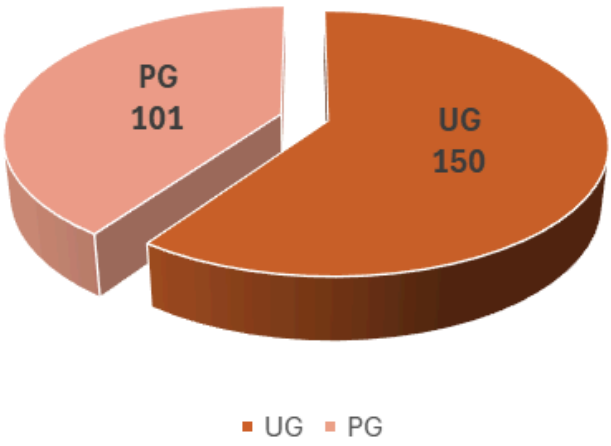


GEODESY VILLAGE

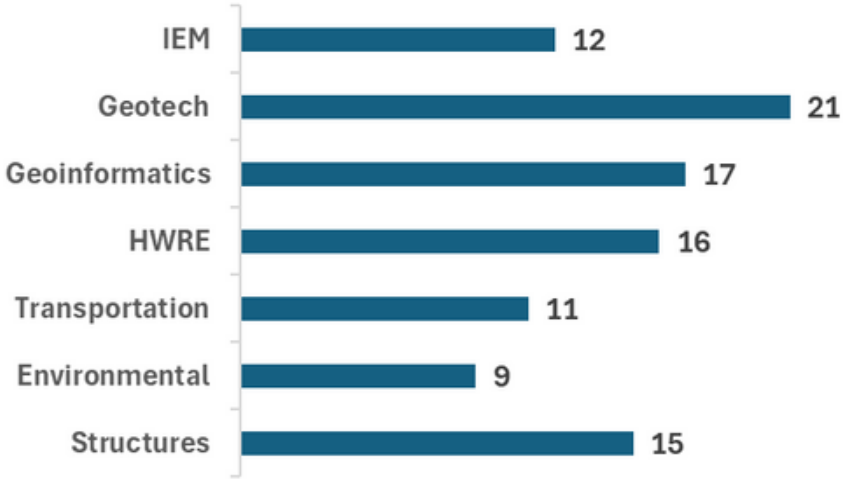
Explore Here

STUDENT DEMOGRAPHICS

Student Strength (UG & PG)



PG Student Demographics



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AVERAGE PACKAGE

2024-25

SOCIETY OF CIVIL ENGINEERS (SOCE)

SANKALAN-25

The Society of Civil Engineers, IIT Kanpur, presents Sankalan — its flagship Civil Engineering Conclave. This two-day event offers interactive workshops, expert talks by renowned professionals from India and abroad, real-world problem-solving competitions, and a cutting-edge technology exhibition. Sankalan aims to foster innovation, collaboration, and knowledge exchange, establishing itself as a key platform shaping the future of civil engineering. With a blend of academic rigor and practical insights, the conclave serves as a launchpad for aspiring engineers to engage with emerging trends and industry leaders.

Participants also gain opportunities to network with peers, showcase their talents through technical and design challenges, and explore interdisciplinary applications of civil engineering. Sankalan is more than just a conclave — it's a celebration of engineering excellence, empowering the next generation of professionals to transform ideas into impactful solutions.

WORKSHOPS & CONFERENCES

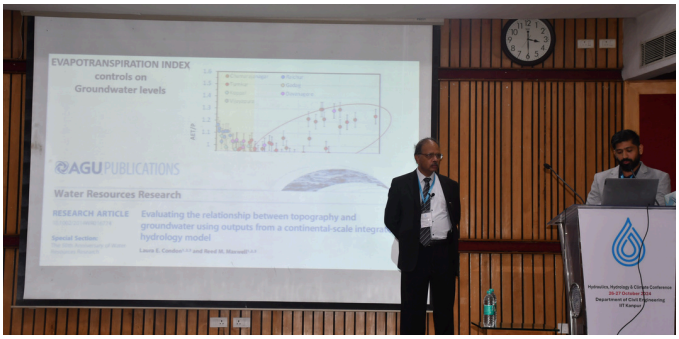
1	CESE Talk by Prof. Achintya Bezbaruah	Jul 2025
2	Workshop on Environment and Sustainability for Observing World Environment Day	Jun 2025
3	Seminar on Construction Law	Jun 2025
4	Workshop on Data-Driven Statistics in Transportation	Mar 2025
5	Geospatial Technologies and Smart Cities	Jan 2025
6	GRACE Hackweek 4 program	Dec 2024
7	Field visit to Geodesy Village	Dec 2024
8	H2O & Climate Conference	Dec 2024
9	Corner Reflector Installation by ISRO	Oct 2024

H2O & Climate Conference

Workshop on Environment Day

GRACE Hackweek 4 program

Geospatial Technologies and Smart Cities



H2O & Climate Conference

Field visit to Geodesy Village

PAST RECRUITERS

Coal India

L&T

SPECTRUM Techno Consultants Pvt Ltd

EIL A Navratna Company

AECOM

Thornton Tomasetti

EATON

egis

ESSAR

RioTinto

Trimble

TATA PROJECTS Simplify.Create

KEC KEC INTERNATIONAL LIMITED

GEODATA

हिन्दुस्तान पेट्रोलियम HP

Shell

URS

MOTT MACDONALD

ABG ABG Shipyard Limited

ALSTOM

ARUP

FLUOR

ACC Infratech

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MIDAS

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ATKINS Member of the SNC-Lavalin Group

ERM Sustainability is our business

Godrej | PROPERTIES

UltraTech CEMENT The Engineer's Choice

HILTI

meesho

DISTINGUISHED ALUMNI

Mr. Shashidhar Sinha
(BT/CE/1979)
Designation : CEO of IPG Mediabrands India

Late Mr. Yadupati Singhania
(BT/CE/1977)
Designation :

Late Mr. Satyendra Kumar Dubey
(BT/CE/1994)
Designation : Former Dy. GM, NHAI

Mr. Amit Kumar
(BT/CE/2000)
Designation : Entrepreneur and co-founder of NoBroker

Mr. Devendra Shukla
(BT/CE/1967)
Designation : Founder of Innovative Technical Solutions

Mr. Udai P. Singh
(BT/CE/1972)
Designation : Secretary General of ACECC

Mr. Rajendra Bhattarai
(BT/CE/1976)
Designation : President of Clean Water Strategies

Mr. Prabhat Singh
(BT/CE/1980)
Designation : CEO and MD of Petronet LNG

Mr. Pawan Kumar
(BT/CE/1969)
Designation : Mentor & Advisor, Angel Investor

Indian Institute of Technology Kanpur

REGISTER YOUR COMPANY TODAY

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