



# Students' Placement Office

Indian Institute of Technology, Kanpur





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## Director's Note

Since the advent of this great institution, IIT Kanpur had vision to provide quality technical education and act as a rostrum for scientific research, and a mission to develop human potential to its greatest degree. Over the years IIT Kanpur has maintained an exemplary record of excellence in training, research and governance. A sincere effort has now begun to restore the vantage position of IIT Kanpur as the top technological institute in India. The students of IIT Kanpur are a cherry picked group. They have been chosen through a process that makes IIT Kanpur one of the toughest institutes to get an admission in.

The outstanding contributions of our alumni cutting across diverse fields are a testament to the top quality pedagogy and overall training provided at IIT Kanpur. The students usually come from varied educational and cultural backgrounds. The programs are designed to instill a spirit of innovation, leadership, team work and global focus into its participants. Be it core engineering, research teaching, consulting and investment banking, IT and ITES, or administrative and social sectors, our alumni have excelled in each and every field. They really have made us proud!

IIT Kanpur has an excellent recruitment record. The graduates at IIT Kanpur have been recruited by some of the world's leading corporations, besides most of the leading Indian organisations. The exposure provided at this place trains not just for technological superiority, but also for an overall understanding of the world. The undergraduate and post graduate programs are continuously monitored and frequently revised to incorporate cutting edge technological theories and practices. The pedagogy employed at IITK with its stress on practice learning is highly regarded across the academic spectrum. Exchange programmes and collaboration with leading institutes through-out the world help provide IIT Kanpur students gain international exposure and contribute to making IIT Kanpur an institute of excellence and innovation on the global stage.

I heartily welcome both the recruiters and our graduating students to come to this platform and get the best out of each other. Through this brochure, I offer a special invitation to all organizations and corporations do come to the campus and test our budding talents. We hope that your prestigious organisation and our students who never balk from a challenge will create synergies like never before. We will be happy to receive your suggestions to further improve the campus recruitment process. Let it be my privilege to welcome you to IIT Kanpur.

**Prof. Indranil Manna**  
Director, IIT Kanpur

**Maximum number of research patents in the country every year are from IIT Kanpur.**

**IIT Kanpur has the first In-House planetarium completely built by the students.**

**IIT Kanpur is the first educational institute in the country to have an in-house air taxi service, providing connectivity between IIT Kanpur and Lucknow.**



**Highlights  
of IIT Kanpur**

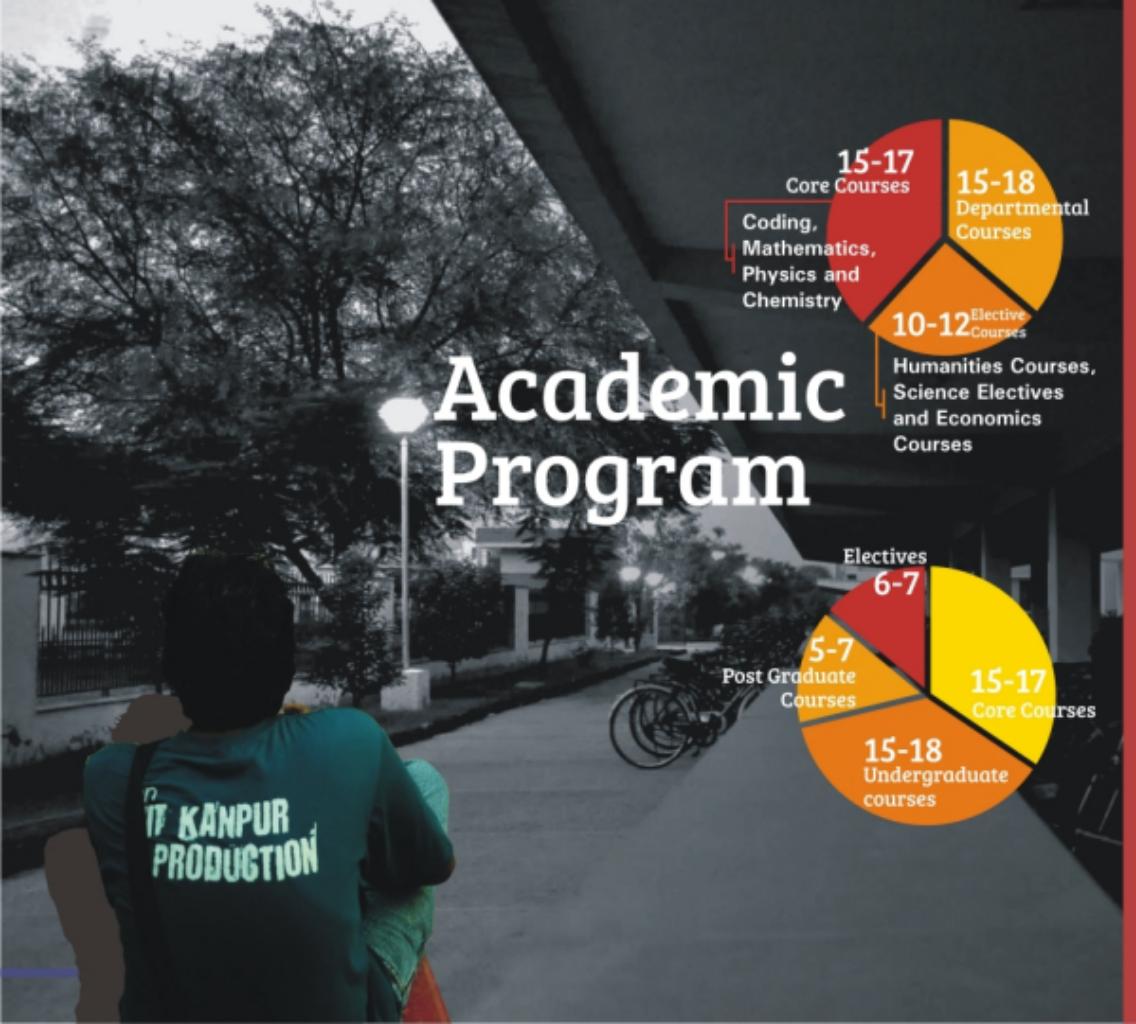
IIT Kanpur has set up 500 KW solar power plant to light up surrounding areas.

Highest civilian awards like the Padma Bhushan and the Padma Shri have been awarded to our alumni.

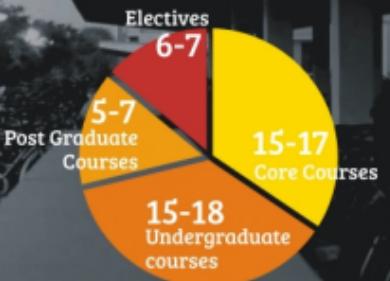
IIT Kanpur's indigenous Nano Satellite Project "Jugnu" made headlines with successful launch in 2011

Part of the prestigious 3i network along with IIM Ahmedabad and IDFC. Aimed to enhance the intellectual capital in the infrastructure sectors by bringing together academia and the policy makers, professionals and practitioners.





# Academic Program



## Undergraduate Program

### B.Tech.

Selection through JEE

Offered in Eight Fields of Engineering

- Aerospace Engineering
- Biological Sciences and Bioengineering
- Civil Engineering
- Chemical Engineering
- Computer Science Engineering
- Electrical Engineering
- Materials and Metallurgical Engineering
- Mechanical Engineering

The curriculum includes a two semester B.Tech project aimed at developing an aptitude for research in students and exposing them to ongoing R&D in the field.

### Dual (B.Tech. and M.Tech.)

Offered in Six Fields of Engineering

- Aerospace Engineering
- Civil Engineering
- Chemical Engineering
- Computer Science Engineering
- Electrical Engineering
- Mechanical Engineering

This is a unique program of IITK in which students achieve B.Tech. and M.Tech. degree in 10 semesters.

Besides taught courses students also need to complete an original thesis over a period of one and a half years in their areas of specialisation in their field of engineering.

## Undergraduate Program

### M.Sc. (5 year Integrated Degree)

10 semester program

- Chemistry
- Economics
- Physics
- Mathematics and Scientific Computing

Students have to do a year long M.Sc project under the guidance of a faculty.

## Post-Graduate Program

### M.Tech.

Admission through Gate exam followed by a written test or an interview on campus.

M.Tech. Engineering is offered in nine core fields and four interdisciplinary fields

### Core Fields

- Aerospace Engineering
- Biological Sciences and Bioengineering
- Civil Engineering
- Chemical Engineering
- Computer Science Engineering
- Electrical Engineering
- Materials and Metallurgical Engineering.
- Mechanical Engineering

### Interdisciplinary Fields

- Industrial & Management Engineering
- Environment Engineering and Management
- Centre for Laser and Photonics
- Materials Sciences
- Nuclear Engineering Technology

M.Tech. Program comprises of mixture of a year and a half of research work and about 8-9 core courses to develop a theoretical base.

### M.Sc. (2 year)

Admission through JAM (Joint Admission Test)

4 semester program

- Chemistry
- Physics
- Statistics

Students have to do a year long M.Sc project under the guidance of a faculty.

### MBA

Admission through CAT

4 semester program

Students from various fields of engineering with lot of valuable work experience help each other to develop and grow managerial skills

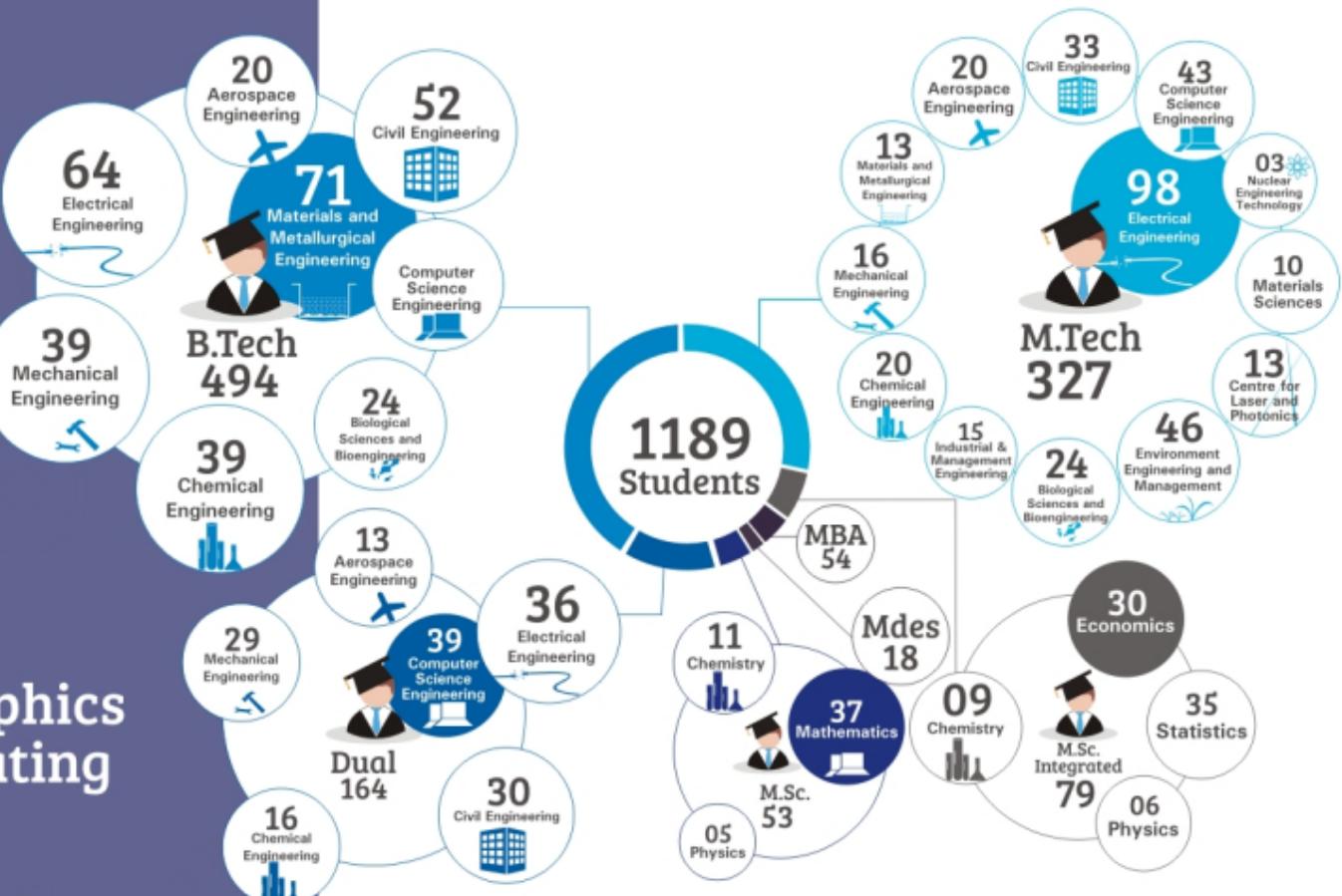
### M. Des

Admission through CEED (Common Entrance Examination for Design)

4 semester program specialising in product design and visual communication.

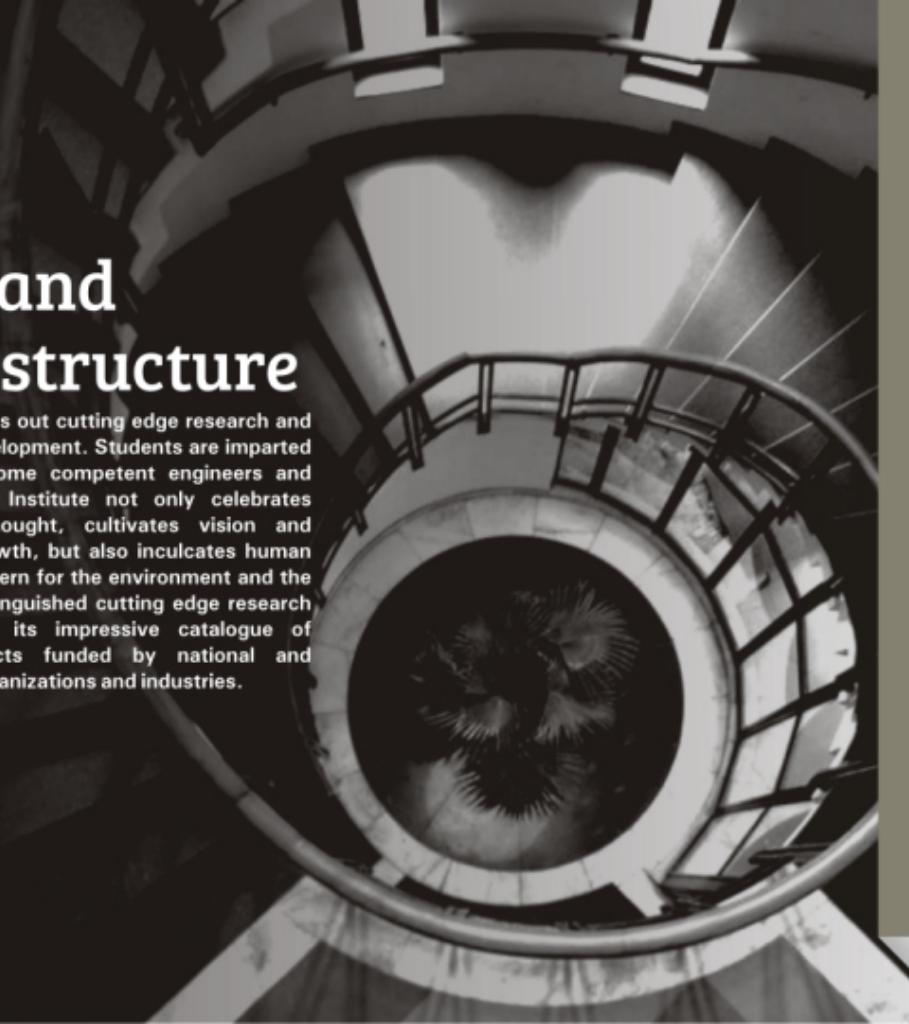
The curriculum reflects a balance of knowledge building related to design principles and methodology, technology, aesthetics, materials, management and power of abstraction.

# Demographics of Graduating Batch



# R&D and Infrastructure

IIT Kanpur carries out cutting edge research and technology development. Students are imparted training to become competent engineers and scientists. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth, but also inculcates human values and concern for the environment and the society. Its distinguished cutting edge research is reflected in its impressive catalogue of research projects funded by national and international organizations and industries.



## Student Projects

Development and application oriented projects, under the guidance of faculty members are mandatory for students of all Academic Programmes. Majority of these projects being industry sponsored, provide students with an opportunity to understand and analyze real life problems pertaining to the respective industry.

## Patents

Students who have come up with innovative solutions to practical problems are encouraged to file national and international patents. The highest number of patents in India are filed by IIT Kanpur students under the guidance of esteemed faculty members.

## Publications

Students actively publish their work in the form of papers in esteemed national and international conferences and referred journals.

## Computer Centre

Computer Centre has a number of High Performance Computing (HPC) Clusters, state of the art servers, high end Linux and Windows labs and various advanced application software. Computer Centre supports an institute wide 5 Gbps fiber optic network that connects all the academic departments, hostels, library and other central facilities. Internet access is provided through a 5 Gbps dedicated Internet link.

## P K Kelkar Library

P K Kelkar Library (Formerly Central Library) of IIT Kanpur is an academic Library with a collection of more than **3,00,000 volumes** and subscriptions to more than 1000 periodicals. It is one of the largest libraries in the nation housed in a three-storey building with the total floor area of 6973 sq. m., Annual average of **4500 books and journal volumes** are added to the collection.

## International Exposure

IIT Kanpur boasts of a large number of MoU's signed with other renowned institutes like Cornell University, E'cole Centrale Paris, Melbourne University for Australian countries etc. to promote international collaborations and knowledge exchange with them.



### Students' Gymkhana

Students' Gymkhana plays host to most of the activities that are conducted round the year, be it cultural, sports or college festivals. It works for the purpose of:

1. Fostering a corporate life based on equality of status and sound moral judgment
2. Developing all round extra-curricular activities to supplement education;
3. Advancing the general welfare of our fellow students

### Presidential Council

The President is the Chief Executive of the Gymkhana and Chairman of the Presidential Council. The Council comprises of the Gymkhana Lectures and Discussion Club, Prayas, Book Club, Entrepreneurship Cell, GE3 and Vivekanand Samiti.

### Cultural Council

Headed by a General Secretary, Cultural Council organizes a plethora of activities spanning over the whole year. With a calendar punctuated by scores of workshops and classes over the year, including the summers, the Council provides the students profuse platforms to pursue various cultural genres, train themselves, perform on stage or just appreciate various cultural arts. It comprises of Music Club, Dance Club, Dramatics Club, Fine Arts Club, English Literary Society, Hindi Sahitya Sabha, Quiz Club and Spic Macay Society.

## Festivals, Competitions and Gymkhana

Notwithstanding the tight academic schedule that students have, they manage to indulge in various extra-curricular activities. A host of activities ranging from inter-hostel competitions and national level festivals to managing facilities like messing and hostel infrastructure are entirely managed by students. These activities provide multitude of platforms for students to hone their technical and managerial skills, which are imperative for one to excel in his/her workplace.



### Science and Technology Council

Headed by a General Secretary, Science and Technology Council compels each and everyone to think beyond the conventional boundaries, provide support, opportunity to help one unleash his/her imagination and an ideal platform to showcase one's talent. It comprises of the following clubs: Astronomy club, Business Club, Electronics Club, Programming Club, Gliding Club, HAM Club, Aeromodeling Club, Robotics Club, Brain and NERD.

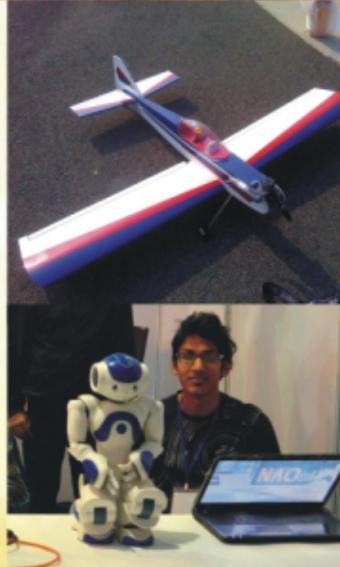
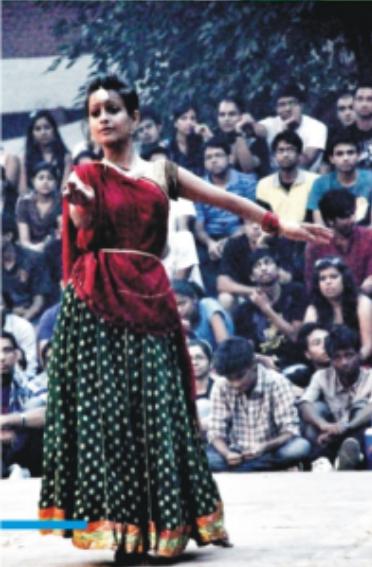
### Films and Media Council

Headed by a General Secretary, Films & Media Council aims to provide high quality entertainment to the students through various extra-curricular activities throughout the year such as photography, videography, print and video journalism, etc. The council comprises of the following: Vox Populi, Campus Magazine, Antahas, Animation Club, CD Club, La Montage Club, Photography Club and STV Club.

### Sports Council

Headed by a General Secretary, Games and Sports Council strives and endeavors to inculcate and introduce sports as a part of daily decorum in every student's life. The council believes in bringing out and encouraging the sportsperson in everyone under the guidance of professional coaches and with the best sporting facilities in the country. The council comprises of Taekwondo Club, Adventure Sports Club, Chess Club, Skating Club, Card and Board





## Gymkhana Festivals

Students' Gymkhana, IIT Kanpur organizes two major inter collegiate festivals

### **Antaragni**

Antaragni is the annual cultural festival of IIT Kanpur, held in the month of October, and is one of the popular college festivals in India. It is a four day long festival, attracting participation from over 200 colleges of India.

### **Techkriti**

Techkriti is the annual inter-collegiate Technical and Entrepreneurship festival organized by the students of IIT Kanpur. It culminates into a grand three-day festival in the month of February, attracting footfall of over 20,000 from all over India and even abroad.



# Preparation Activity

## Career Awareness Sessions

We organize career awareness sessions for various sectors like consulting, FMCG, analytics, etc to help students understand the different concepts of each branch before they make a choice.

Similar sessions are organized at department level as well.

## Resume Making

Over the past years IIT Kanpur pays special attention to assure high standard of the resume of students sitting for campus placement.

We conduct one on one resume review session with our seniors and alumni to provide student with good feedback.

We conduct regular resume making workshop by seniors, alumni and professional to give a new outlook to their resumes.

## Aptitude and Core Test

We organize regular aptitude and core practice tests to help students improve their knowledge and analytical abilities.

# Placement Information

## About Students' Placement Office (SPO)

SPO is run and managed entirely by students and it handles all aspects of placement as well as internships.

A team of students headed by Overall Placement Coordinators (OPCs) work along with Pitching Coordinators and Departmental Placement Coordinators (DPCs) towards facilitating the participation of companies and students in the campus recruitment process besides handling all logistics requirement for efficient conduction of the recruitment process.

Placement office has its own infrastructure to support the companies during placement procedure. It includes:

- Auditorium to conduct Pre Placement Talks and tests
- Group Discussion rooms
- Video Conferencing Facilities
- Telephonic Interview Facilities
- Online automated system PAS (Placement Automation System) to assist students and companies with placement procedure
- Support staff to help students and companies
- Computer Labs and Lecture halls for tests



The Students' Placement office sends invitations to companies/ organizations along with relevant information.



The accounts are created for organizations interested in recruiting on our online portal PAS. Every student interested in placement procedure is registered on this PAS and can see the details of various interested companies.



A Job announcement form (JAF) is made available to the company/ organization through their online account, wherein the company or organization will announce the job openings and the offers. JAFs can also be sent by post/email to the Students' Placement Office, IIT Kanpur/ spo@iitk.ac.in.

3

Interested company/ organization can visit our campus for Pre-Placement Talk (PPT). For this they can inform Students' Placement Office along with their preferred dates.



The Job openings will be made available to the eligible students, along with any other information provided by the company/organization. As per the job profile offered and the eligibility criteria set by the company.

5



The Company/Organization as per its recruitment process, can shortlist students for GD/PI either on the basis of their resumes or by conducting written tests. Company/ Organization can schedule the test before 1st December or when they visit campus for recruitment.

6

Final Placement begins on 1st December. Each company is given a slot in December which is decided upon various factors like;

- Students Preferences
- Work Profile
- Compensation Offered
- Career Prospects

7

After the interview a company submits list of selected students. Each offer is registered against selected student. If a student gets multiple job offer on same day than student is given a choice to select one among them.

8

Once a student accepts a job offer he is deregistered from our portal and is not allowed to sit for placement procedure of any other company.

The complete process is governed by Placement Policy, rules which are available on the SPO website and are shared with the company beforehand.

10

## The procedure for campus placement



**A** Accenture Services Pvt. Ltd.  
 Adobe Systems  
 Airbus Engineering Centre India Pvt. Ltd.  
 Amazon Development Centre India Pvt. Ltd.  
 Analog Devices  
 ANSYS Fluent India, Pune  
**A** Atkins

**B** Beca Group  
 Bentley Systems  
 Bharat Heavy Electricals Ltd.  
 Bharat Oman Refineries Ltd  
 Bharat Petroleum Corporation Ltd.  
 Boston Consulting Group  
 Britannia India  
 Brocade  
**B** Burning Glass (Checkronix)

**C** Capital Dynamics  
 Caterpillar India Pvt. Ltd.  
 Chevron, Singapore  
 Citigroup Advanced Analytics Solutions  
 Credit Suisse Business Analytics

Dar Al Handasah Consultants  
 Deloitte  
 Deutsche Bank, Global Markets Center, Mumbai  
 Diamond Consulting - PwC  
 Directi Internet Solutions Pvt Ltd  
 Dolat Capital Ltd, Mumbai  
 Dr. Reddy's Laboratories  
**D** DRDO

**E** Eaton  
 Energo Engineering Projects Limited  
 Engineers India Limited  
 Ericsson India  
 EXL Services  
**E** Exxon Mobil

**F** Facebook  
 Finisar Malaysia  
 Fluidyn INDIA (TRANSOFT GROUP)  
**F** Fractal Analytics

**G** Galaxy Surfactants Limited  
 GE India Technology  
 Genpact India  
 Global Analytics India  
**G** Goldman Sachs Services Pvt. Ltd.

**H** Halliburton  
 Headstrong  
 Hero Honda Motors Ltd  
 Hewlett Packard, Analytics  
 Hindustan Unilever Limited  
**H** HSBC Global Resourcing, Bangalore

**I** IBM India Research Lab  
 Inmobi  
 Ispat Industries Limited  
 ISRO  
**I** ITC Limited

**L** Larsen & Toubro

**M** McKinsey  
 Microsoft India R&D India Pvt. Ltd.  
 Mitsubishi Heavy Industries  
 Mitsui Chemicals  
**M** Morgan Stanley

**N** National Instruments Systems (India) Pvt Ltd  
 NetApp India, Bangalore  
**N** NVIDIA Graphics Pvt Ltd, Bangalore

**O** ONGC  
 Opera Solutions  
**O** Oracle

**P** Powergrid  
 Price Waterhouse Coopers  
**P** Procter & Gamble

**Q** Qualcomm

**R** Reckitt Benckiser  
 Renishaw  
**R** Rio Tinto, Australia

**S** Samsung India Software Operations Pvt. Ltd  
 Schlumberger  
 Shell Technology India  
 Sony, Japan  
**S** Steel Authority of India Ltd.

**T** Texas Instruments  
 Tower Research Capital LLC  
**T** TVS Motors

**W** WorldQuant Research Pvt. Ltd, Bangalore  
 Welspun  
**Y** Yahoo, Bangalore  
**Z** Zeus Numerix Pvt Ltd

## Past Recruiter's List

# Our Renowned Alumni

The performance of IITK alumni has had a definitive impact on the national and international professional scene. Our alumni have impressive spread across industry, academia and entrepreneurship in India and abroad, both in private and public sectors.

The continuous assessment of our students, with particular emphasis on tutorials leads to continuous learning. Students have the opportunity to interact with post-graduate and Ph.D research scholars.

## **Dr Chandra Kintala**

Professor and Director of Software Engineering at New Jersey Institute of Technology; Director (Retd.), Bell Labs, USA.

## **Ashoke Sen**

FRS and Padma Shri, String theorist).

## **N.R. Narayana Murthy**

Founded the software corporation Infosys.

## **Manindra Agrawal, Nitin Saxena**

## **and Neeraj Kayal**

Proved with their AKS primality test that primality testing has a polynomial time algorithm, a major result in theoretical computer science.

## **Ashok Jhunjhunwala**

Padma Shri and Professor, Dept of Electrical Engineering, IIT Madras.

## **Jainendra K. Jain**

Condensed matter theorist.

## **Satyendra Dubey**

Whistle-blower whose murder shocked the nation.

## **Ayyalusamy Ramamoorthy**

Scientist in the area of NMR and biological membranes.

## **Duvvuri Subbarao,**

22nd Governor of Reserve Bank of India.

## **Shiraz Minwalla**

Professor and String Theorist at TIFR.

## **Rajesh Gopakumar**

Physicist and String Theorist presently at HCRI, Allahabad.

## **Utpal Bhattacharya**

Expert on financial ethics

## **Satish Kumar Kaura**

Chairman MD Samtel Colour Limited

## **Ambuj Goyal**

General Manager, IBM's Information Management Software Unit, IBM Software Group, USA

## **Rajeev Chawla**

Secretary, e-Governance, Government of Karnataka

## **Vijay Mahajan**

Former Dean of the Indian School of Business, holds the John P. Harbin Centennial Chair in Business at Mc Combs School of Business, University of Texas at Austin

## **Pawan Kumar Goenka**

Chief Operating Officer (COO), Mahindra & Mahindra Ltd., Mumbai

## **Mahesh Behari Lal**

Chairman, MD Hindustan Petroleum Corporation Limited HPCL

## **Late Prof. Rajiv Motwani**

Professor Computer Science, Stanford University. Helped back companies such as PayPal and Google.

## **Lalit Jalan**

Grew a division of Reliance to 1 billion in just 42 months.

## **Venkat Krishnamurthy**

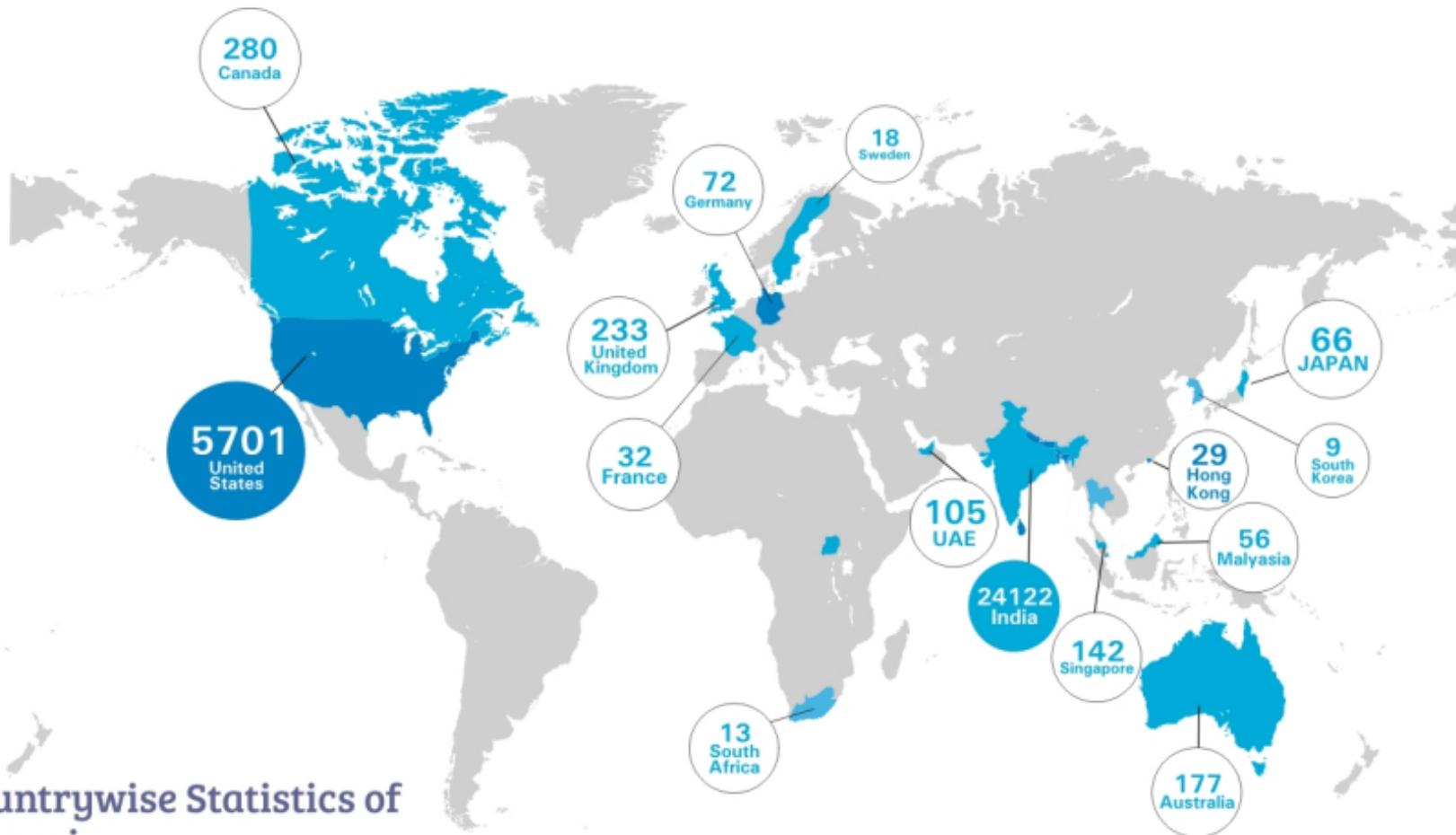
Academy Award winner for technical achievement, 2001

## **Late Anil Agarwal**

UN environment program elected him to its 500 Honor roll for his exemplary work

## **Vasudev Chanchlani**

Owner of Sigma Systems, and is Known as the 'Entrepreneur of Entrepreneurs' in the Canadian business circles. First IIT Kanpur Alumnus to receive Pravasi Bhartiya Samman from President of India.



## Countrywise Statistics of Alumni



## Chairman's Note

As the world marches into the 21st century, India, at the forefront of the developing world needs an increasing lot of intelligent, astute, hard working and technically proficient minds. Indian Institute of Technology Kanpur (IITK) well known for its cutting edge research and teaching programmes prides itself on creating an environment that facilitates in not only the academic but the overall development of the student.

The hallmark of IIT K has always been relentless strive towards excellence and perfection. We expose our students to strong fundamentals in their subject areas and hone their inter-personal skills to develop them as future leaders in their chosen fields of work. The academic curriculum at IITK has strong emphasis on basic sciences, engineering and humanities, which is successful in producing competent engineers and scientists with concern for human values and surroundings.

Here at Students Placement Office (SPO) our effort is to provide a platform to facilitate interaction between students and companies so both can find the best match as their aspirations and requirements. Quick on the up-take, with good communication and human relations skills and aware of modern developments, the typical IIT K graduate is expected to play a very important role in organizations like yours wanting to be internationally competitive in terms of products, services and technology.

Our previous placement sessions witnessed the best placement percentage among all IITs, which is a testimony to the increasing faith that the corporate world has put on us.

Our portal is the starting point of our interaction where you will find all necessary information. We will welcome your queries related to recruitment at IITK. Also, write back your ideas that can help us at SPO.

I take this opportunity to invite you for placements to IIT Kanpur.

**Prof. Vimal Kumar**  
Chairman SPO, IIT Kanpur



**Aman Bapna**  
amanb@iitk.ac.in  
+ 91-894-859-9895



**Amit Amar Saraswat**  
amitsar@iitk.ac.in  
+ 91-895-345-4277



**Harsh Sejwar**  
hrshsej@iitk.ac.in  
+ 91-979-357-0664



**Vedant Khamesra**  
vedantk@iitk.ac.in  
+ 91-760-745-7175

## Overall Placement Coordinators



### Students' Placement Office

<http://spo.iitk.ac.in/>  
email id: spo@iitk.ac.in

109, Outreach Building,  
IIT Kanpur, Kanpur-  
208016  
UP, India.

Phone: 91-512-259-4433/34  
Fax: 91-512-259-4434