




INDRAPRASTHA INSTITUTE *of*  
INFORMATION TECHNOLOGY **DELHI**

# Placement Brochure

**2014-15**

[iiitd.ac.in/placement](http://iiitd.ac.in/placement)

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# Mission and Vision

The mission of IIT-Delhi is to be a global center of excellence in Information Technology education, training and research. Its twin aims are:

- To carry out advanced research and development in information and software technologies, and in leveraging IT in specific domain areas.
- To train and educate, at both undergraduate and postgraduate levels, engineers of outstanding ability who can become innovators and new product creators.

It aims to encourage innovation and entrepreneurship in specified domain areas of IT. Towards this end it plans to organize itself as a conglomerate of R&D Centers, some of which would be in partnership with different companies and global organizations. All centers will also be engaged in teaching and thesis guidance. These centers, with various labs, will be the hub of activity, with active contribution from faculty and students—B.Tech, M.Tech and PhD.

# Directors Message



**Dr. Pankaj Jalote**  
**Director**

“I am very pleased to invite companies to visit our Institute for considering our graduating B.Tech (CSE) and M.Tech (CSE, ECE) students for recruitment. In a short span, IIIT-Delhi has established itself as one of the leading institutes in research and education in IT, with one of the finest faculty, all of whom are PhDs from across the world. This graduating B.Tech (CSE) batch has obtained excellent technical training which includes, besides core areas like data structures, operating systems, networking, databases, software engineering, etc. courses on advanced topics like data mining, mobile computing, Information security, image processing, etc. and various domains like Finance, Biotechnology, etc. Many of these courses have group projects, which helped the students develop team working abilities. In addition, they have gone through a stream of courses on communication including basic communication skills, technical communication and critical reading. Overall, IIIT-Delhi graduates have solid technical skills, decent understanding of some domains, good communication skills, and good exposure to problem solving and team work. The current batch of graduating M.Tech students have specialized in Information security, Data Engineering, Mobile Computing, VLSI & Embedded Systems, Communication and Signal Processing having done a range of courses in it.”

# About the Institute



Indraprastha Institute of Information Technology, Delhi was created as a State University by an act of Delhi

Government (The IIIT Delhi Act, 2007) empowering it to do research and development and grant degrees. IIIT-Delhi was officially established on 10th June, 2008. First class for B.Tech (CSE) students was held on 8th September, 2008. The institute began with its first batch of 60 students in 2008.

This first batch graduated in 2012 - the first Convocation took place in November, 2012. By that time, the institute has attracted nearly 30 faculty members, and its academic program consisted of B.Tech, M.Tech. and Ph.D. programs in CSE and ECE. In a relatively short time, it has earned a good reputation in India and abroad for being a center of quality education and research in IT. 2012 turned out to be more remarkable year because during the summer of this year, the institute started functioning from its permanent campus in Okhla. Smt. Sheila Dikshit, Chief Minister of Delhi, inaugurated the campus in October, 2012. The Institute is academically and administratively autonomous. The Chancellor of the Institute is Hon'ble Lt. Governor of Delhi, who also chairs its General Council. Overall policy making and governance rests with the Board of Governors, which consists of four eminent persons, two Professors, two nominees of the government, the Director and the Chairman. All instructions, examinations and evaluations are decided by the faculty.

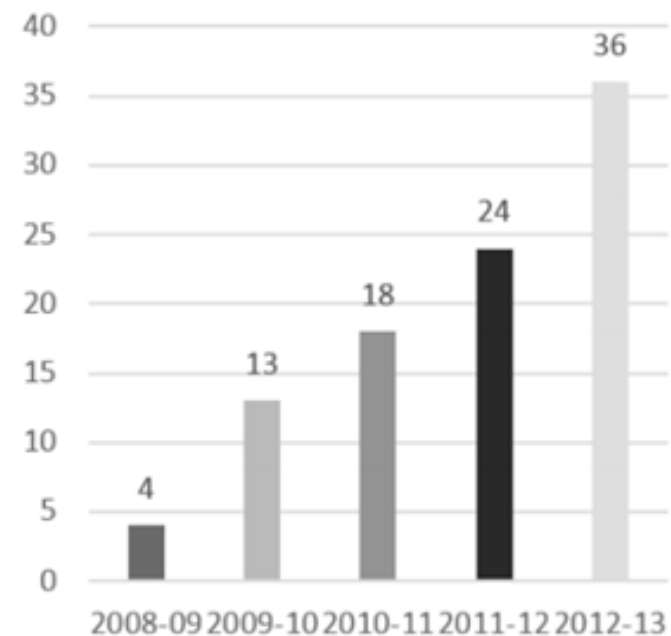
# Faculty



All faculty members of the IIIT Delhi have earned their PhDs from fine institutions of the world, with two-thirds of them from the US and Europe. The recruitment of a highly competent faculty is a result of high standards set by IIIT Delhi in its selection process. The institute now has 36 permanent, 9 adjunct and 6 visiting faculty members. The Institute's faculty members continue to pursue top quality research. A total of 103 of their papers have been published/

accepted in international journals and conference proceedings in the last academic year. Overall 29 proposals of faculty members have been approved for funding by various agencies for a combined R&D project funding commitment of ₹ 74,299,440.00, with top funding agencies being DST, DeIT and DRDO. Out of these 29 sponsored projects, eight have been added since April last year, three closed in the last academic year and rest. For more information, please visit <http://iiitd.ac.in/people/faculty>.

YEAR WISE FACULTY STRENGTH



# Infrastructure

After being established in 2008, IIT Delhi operated out of its transit campus at Netaji Subhash Institute of Technology (NSIT) in Dwarka till July 2012. Its permanent campus, which became operational in August 2012, is spread over 23 acres of land allocated in the G.B. Pant Polytechnic compound, in Okhla phase III.

The Phase I of the construction of the Campus is complete, with a covered area of 32,500 sqm which consists of the following facilities that have been put to use:

- Academic R & D block
- lecture hall block
- Library cum Information Centre building
- Dining Block
- Boys Hostel
- Girls Hostel
- Faculty Residences



The entire area is divided into mutually interactive yet separate zones namely the residential areas for faculty, academic areas and the student residential areas connected by pathways with vehicular entry restricted to the peripheries only.

# Academic Programs





# B.Tech Program

Our B.Tech programme prepare students for careers centering around innovation and problem solving in CSE and ECE, and for pursuing advanced studies for research careers in these areas. The curriculum for the CSE programme focuses on the fundamentals of the computer science, as well as the application of these fundamentals in a modern context. Students start with core CS courses, with the possibility of doing science courses later.

The B.Tech (CSE) program can be divided broadly in two halves. The first half will focus on building the foundations, and will be highly structured. The second part is for further developing the skills and knowledge of the students in various topics - computing and non-computing.

## Foundation Courses

	Sem 1	Sem 2	Sem 3	Sem 4
<b>Software Stream</b>	Introduction to Programming	Data Structures and Algorithms	Advanced Programming	Database Management Systems
<b>Hardware Stream</b>	Digital Circuits	Electronic circuits		
<b>Theory Stream</b>			Discrete Mathematics	Analysis and Design of Algorithms
<b>Systems Stream</b>	System Management	Computer Organisation	Operating Systems	Computer Networks
<b>Maths</b>	Math 1	Math 2		
<b>Communications/HSS</b>	Communication Skills	Humanities and Social Sciences I	Critical Reading	Humanities and Social Sciences II
<b>Other Courses</b>			[Engineering Science/ Math]	[Engineering Science/ Math]

# B.Tech Program

## Advance Studies and Streams

The current streams offered in IIIT-Delhi are:

1. Mobile Computing
2. Data Analytics
3. Computer Systems Architecture
4. Image Analysis & Machine Intelligence
5. Security & Privacy
6. Theory
7. (non IT) Finance
8. (non IT) Biotechnology
9. (non IT) Entrepreneurship

For more information about the B.Tech programme, please visit <http://iiitd.ac.in/education/btech>.



# M.Tech Program

A Masters degree in IIIT Delhi is primarily industry-focused, but can also be used as a stepping stone for research. The Institute believes that a student should be given an option of pursuing M-Tech without assistantship so he/she can focus full time on the programme, and possibly finish the M-Tech sooner, as compared to a student who is on assistantship and so has to do part-time work in lieu of the assistantship.

<b>M.Tech (CSE)</b>	<b>M.Tech (ECE)</b>
<ul style="list-style-type: none"><li>•M.Tech in CSE with specialization in Information Security</li><li>•M.Tech in CSE with specialization in Data Engineering<ul style="list-style-type: none"><li>•M.Tech in CSE with specialization in Mobile Computing</li></ul></li><li>•M.Tech in CSE (without specialization) General</li></ul>	<ul style="list-style-type: none"><li>•M.Tech in ECE with specialization in VLSI &amp; Embedded Systems</li><li>•M.Tech in ECE with specialization in Communication and Signal Processing<ul style="list-style-type: none"><li>•M.Tech in ECE- General</li></ul></li></ul>

The institute feels that to address the needs of the industry, which today requires more specialized manpower as each field is getting more complex, it is desirable to provide specializations within Computer Science in the M-Tech programme. For this, the Institute permits a student to do an “M-Tech” or “M-Tech with specialization”. The M-Tech programme is credit-based, i.e., the students have to take courses worth certain credit.

# Research Group

IIIT-Delhi aims to have focused research groups in some areas of IT and some domain areas. The number and nature of research areas will evolve as more faculty and research staff joins. Current areas of research are listed below.

- **Image Analysis and Biometrics**

Focus Areas: Image Processing, Pattern Recognition, Machine Learning and Biometrics

- **Mobile and Ubiquitous Computing**

Focus Areas: Mobile Computing, Middleware, Pervasive Computing, Communication Networks, Applications in Sustainability and Healthcare, Human Sensing, Transportation, Technologies for Developing Regions

- **Software Engineering & Programming Languages**

Focus Area: Software quality, programmer productivity, software maintenance, mining software process data for knowledge extraction, static and dynamic program analysis and specification mining

- **Wireless Systems**

Focus Areas: Wifi Network Optimization, Small Cell Networks, White Spaces, Localization, Vehicular Networks, Software Defined Radio and Cellular Radiation Measurement

- **Advanced Electronic Systems**

Focus Areas: Software Defined Radio, Multiband and Broadband RF Circuits, Smart Antenna Systems, Biomedical Electronics and Applications, Wireless Network on Chip, Biomedical System and Sensor Development, Radar Sensor Design and Signal Processing, Ground Water Sensor Design and Signal Processing

- **Information Security and Privacy**

Focus Areas: Digital Forensics, Cryptography, Cryptanalysis, Theory and Practice of Cryptography, Cyber Crime, Privacy, Human Computer Interaction, Network Security, Traffic Analysis, Anonymity, Complex Networks, Privacy and Security in online Social Media (PSOSM), Usable Security

- **Information Management and Data Analytics**

Focus Area: Databases, Data Mining, Mobile-P2P data management using economic models, Information Retrieval, Business Intelligence, Data Privacy and Access Control

- **Theoretical Computer Science**

Focus Areas: Logic, Process Algebra, Reactive Systems, Verification, Cryptology, Cryptography, Machine Learning, Bioinformatics, Complexity Theory, Quantum Computation, Algorithms

- **Computational and Systems Biology**

Focus Areas: Systems biology, Cell division cycle, Circadian rhythms, Computational cognitive neuroscience

- **Geoinformatics**

Focus Areas: Geo-spatial Data Management, Data Warehousing, Database System Implementation

- **Signal Processing**

Focus Areas: Compressed Sensing, Low rank matrix recovery, Biomedical Imaging, Information Hiding, Image & Video Forensics, Computer Vision, Image and Scene Understanding, Robust Statistical Methods, Pattern Recognition

- **Scalable Systems**

Focus Areas: Computer Architecture, Performance Modeling of Computer Systems, Low Power Design, Energy efficient architectures, exascale computing challenges, performance portability, compilers, programming languages Distributed Systems and Networks, Concurrent and Parallel Computing

- **Economics**

Focus Areas: Economics of Information, Consumer Privacy, Asymmetric Information in Credit and Insurance Markets, Credit Scoring



# Student Publication

- **Daksha Yadav, Naman Kohli, James S. Doyle, Richa Singh Mayank Vatsa, and Kewin W. Bowyer**

“Unraveling the Effect of Textured Contact Lenses on Iris Recognition”, IEEE Transactions on Information Forensics and Security, 2014 (doi: 10.1109/TIFS.2014.2313025)

- **Priyanshu Gupta, Shipra Behera, Mayank Vatsa, and Richa Singh**

“Iris Spoofing using Print Attack”, In Proceedings of International Conference on Pattern Recognition, 2014

- **Tejas I. Dhamecha, Praneet Sharma, Richa Singh, and Mayank Vatsa**

“Effectiveness of Histogram of Oriented Gradient Features for VIS to NIR Face Matching”, In Proceedings of International Conference on Pattern Recognition, 2014

- **A. Aggarwal, G. Waghmare and A. Sureka**

“Mining Issue Tracking Systems Using Topic Models for Trend Analysis”, Corpus Exploration and Understanding Evolution, 3rd Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE 2014) co-located with ICSE 2014

- **Supratim das, Srikrishna acharya, Gade narayana sri harsha, Ankita shukla, Sujay Deb**

“A low-cost non-intrusive appliance load monitoring system”, Advance Computing Conference (IACC), 2013 IEEE 3rd International , vol., no., pp.1641,1644, 22-23 Feb. 2013

- **Gade Narayana Sri Harsha, Angshul Majumdar, R.K.Ward**

“Disparity Map Computation for Stereo Images Using Compressive Sampling”, IASTED Signal and Image Processing, 2013.

- **Gade Narayana Sri Harsha, Hemanta Mondal, Sujay Deb**

“An Efficient Hardware Implementation of DVFS in Multi-Core Systems with Wireless Network-on-Chip”, ISVLSI 2014 (Accepted)

- **Mir Mohsina, Angshul Majumdar**

“Gabor Based Analysis Prior Formulation for EEG Signal Reconstruction”, Biomedical Signal Processing and control. Volume 8, Issue 6, November 2013, Pages 951–955

- **Abhinav Jain, Mohammad A. Maktoomi, Mohammad S. Hashmi**

“A New Circuit to measure Resistance Variation suitable for Strain Gauge”, International Conference on Signal Processing and Integrated networks(SPIN) 2014

- **Priya Aggarwal, Vandana Mittal, Mohammad A. Maktoomi, Mohammad S. Hashmi**

“A Digitally Controlled Floating Resistor Using CMOS Translinear Cells”, International Conference on Recent Advances in Engineering and Computational Sciences (RAECS) 2014

- **Ankita Shukla, Anupriya Gogna, Angshul Majumdar**

“Matrix Recovery using Split Bregman”, 22nd International Conference on Pattern Recognition (ICPR 2014), 2014. Stockholm, Sweden.

- **Priya Singhal, Vivek Ashok Bohara**



“ Energy efficient techniques for greener wireless cellular networks”, ICRAIE 2014.

- **Ankita Shukla, Angshul Majumdar, R. K Ward**

“Real-Time Dynamic MRI Reconstruction: Accelerating Compressed Sensing on Graphical Processor Unit”, IASTED Signal and Image Processing, 2013

- **T. Chugh, H.S. Bhatt, M. Vatsa, and R. Singh**

“Matching Age Separated Composite Sketches and Digital Face Images”  
In Proceedings of IEEE International Conference on Biometrics: Theory, Applications and Systems, 2013.

# About the Batch

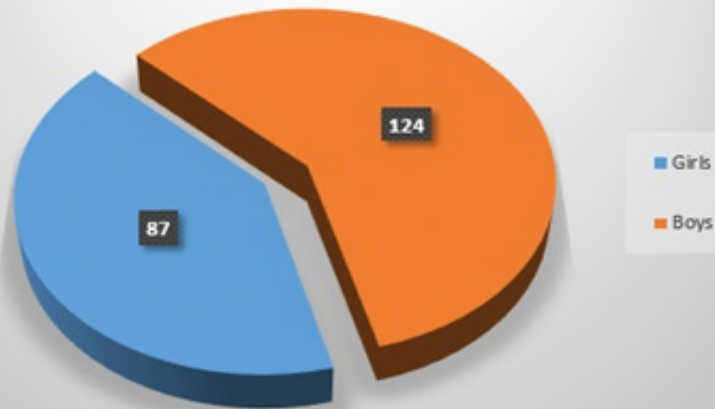


Total Number of Students  
Number of B.Tech students  
Number of M.Tech students  
No. of Dual Degree (B.Tech + M.Tech)

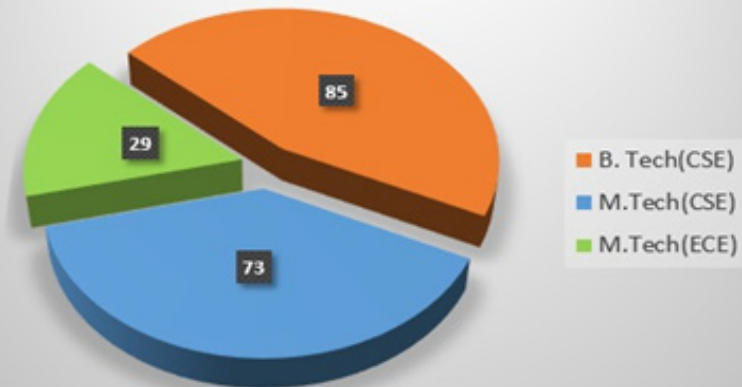
**219**  
**109 (All CSE)**  
**106 (ECE - 29, CSE - 77)**  
**4 (All CSE)**

# Batch Demographics

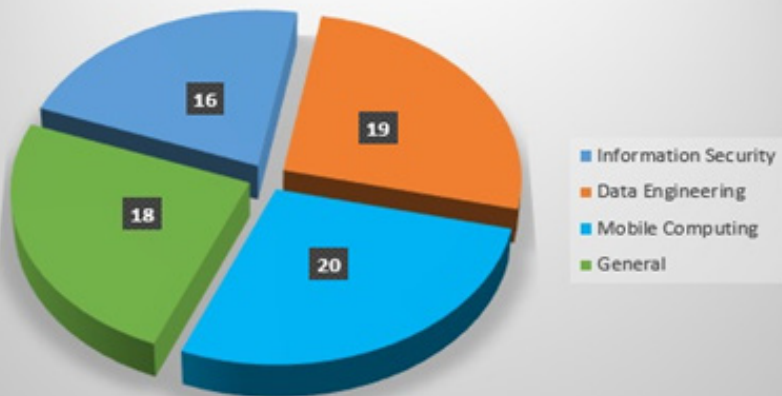
Overall Distribution



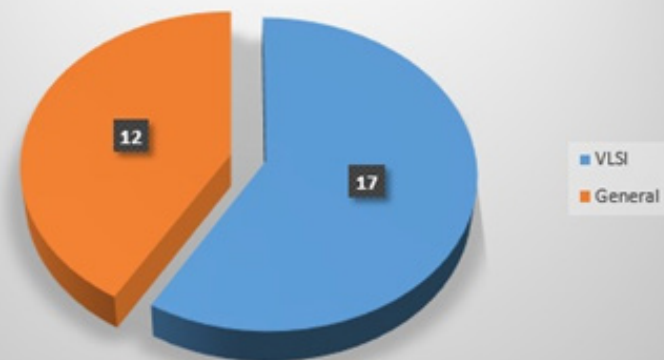
Overall Distribution (Batch Wise)



M. Tech CSE Specialization



M. Tech ECE Specialization



# Placement Process & Policies

## Process

The placement cell sends the campus invitation to the companies for participating in the placement process of IIT Delhi. The companies are requested to fill the response sheet & confirm their participation.

## Classification of Company:

- The classification of a company will be based on the criteria of pay packages and work profile.
- A+ Category: CTC greater than or equal to 10 Lacs per annum
- A Category CTC in between 5 to 10 Lacs

## Policy:

### Job Offer for a student:

- If a student's name appears on the final shortlist declared after the Company's process through the Placement Cell, then that would be considered as an Offer to the student.
- A student will be **out of campus placement process if he/she gets an offer from A+ Category Company.**
- The student is allowed to upgrade for an A+ Category company only.
- PPO Offer is considered as Job Offer, hence the same policy is applicable.

## Eligibility:

All registered students graduating from the institute in the year 2015 are eligible to

participate in the placement activities.

A student can participate in the placement process of a company subject to the following conditions:

- The cell has confirmed his/her registration.
- He/ She meets the requirements/eligibility criteria specified
  - o By the company and
  - o By the placement policy
- Once a student is selected/made an offer he/she is out of the campus placement process.

### **Offer of A Job made by company:**

- The companies are requested to announce the result/ final selection on the day of campus visit.
- The company should hand over the duly signed hard copy of the final selection list to the placement cell.
- In case the company is unable to declare the result on the same day, then the student is allowed to participate in other companies & the final status will depend upon who declares the result first.
- The company shall provide the offer letters to the Placement office and not directly to the students.
- When the Cell receives an offer letter from a company for a student, it shall communicate the same to her/him.
- The purview of the Placement Cell is restricted only to the offers made as part of the campus placement process.

## Student Code of Conduct:

- All post job-offer communication between student and Company should be channelized only through the placement cell.
- Direct communication with the company officials is Not allowed
- **It is Mandatory for the students to register** for the company, to participate in the companies process
- Attendance in PPT is mandatory after registration, to be eligible for further placement process.
- Students are allowed to quit if so desired only after the PPT.
- Students proceeding after the PPT for the next step in the selection process of a Company cannot quit in between. **If a student quits in between then he/she will be debarred & will not be allowed to appear in any other future placement event.**
- Any kind of misbehavior/ complaints reported by the company officials will be taken seriously & if proven the student will be debarred from future campus placements.

## Acceptance of an Offer:

Proper due-diligence should be done before formally accepting a job offer as declining an offer, after formal acceptance any changes is violation of code-of-conduct & will be dealt accordingly.

- Offer from A+ Category Company is deemed to be accepted & the students is out of campus placement process.
- A time period will be declared where students have to inform the Cell regarding his/her decision on the offer. If He/ She fails to do so, it shall be assumed that the offer has been rejected by him/her.

• **The placement cell will send an official confirmation mail to the companies regarding the acceptance in the month of March 2015.**

- A student who has accepted an offer is expected to join on the given joining date.

- If a student does not join after he/she has accepted the offer a penalty will be imposed by the institute.

### **Not Acceptance due to further studies:**

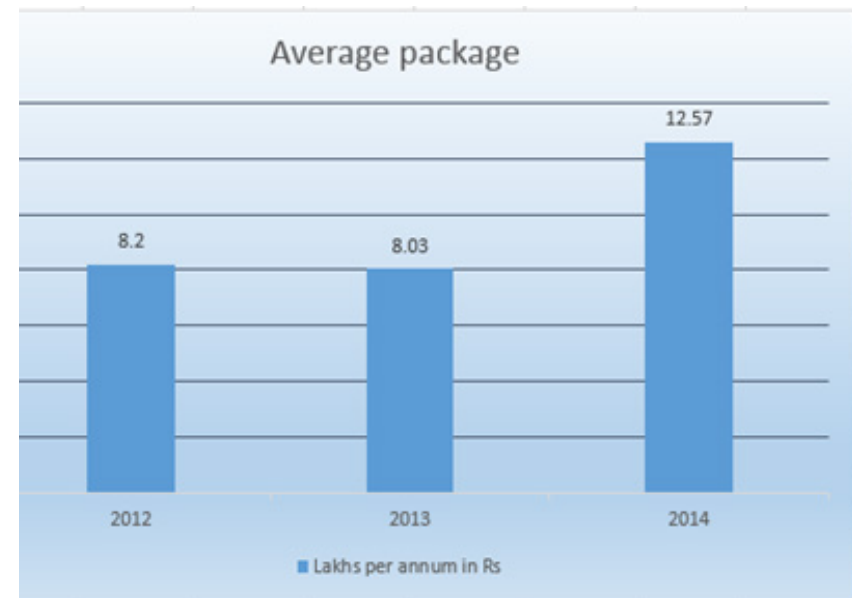
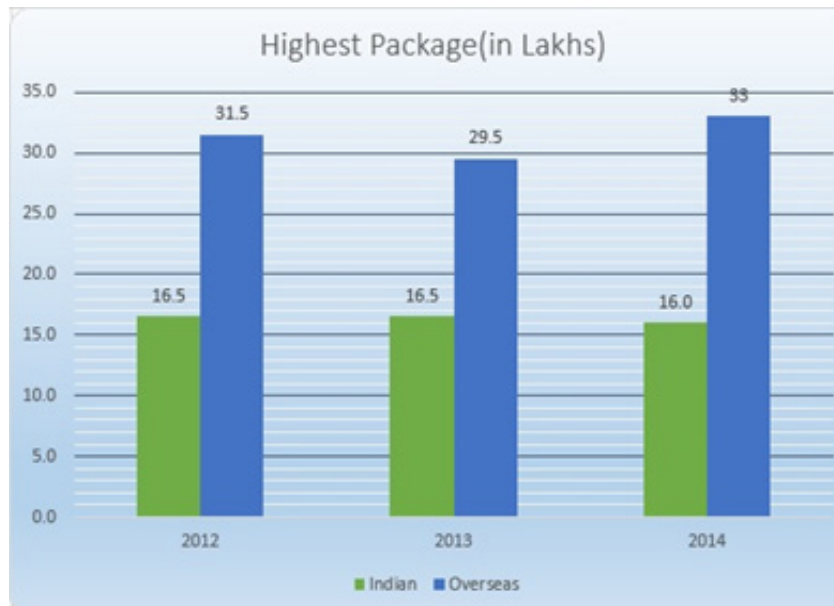
- If a student does not accept an offer due pursuing higher studies (in India or Aboard) in this situation the student needs to inform the placement cell as soon as possible (latest by March end ) along with the letter/offer received by the university.

- No penalty of any kind will be imposed, if the above is reported to the placement office in the defined time line.

- If a student does not inform the Placement Cell regarding his/her decision in person and in writing within the declared time period, then it will be deemed as rejection of the offer & the penalty will be imposed.



# Placement Statistics



For more information, please visit <http://iiitd.ac.in/placement/past-stats>.



# Internships@IIIT-Delhi

Students at IIIT-Delhi can opt for following kinds of internships:

- 1) Summer Internship (May – July max duration 3 months)
- 2) Winter Internship (Start in December can opt for 4 to 6 months)
- 3) Internship (only for 3rd and 4th year students) for a Semester - Rules of External BTP apply in this case.

## **Intern Hiring Process:**

Company needs to get in touch with the placement cell & share their requirements along with JD & stipend.

Information is shared with the students & the process is further initiated by the placement cell.

## **Internship Policy:**

We follow “One Student One Internship” policy for all the above mentioned internships.

## **Code of Conduct:**

- 1) A student once registered for Internship offered through the placement cell needs to complete the process. The students is not allowed to withdraw after entering the process.
- 2) Rejecting an internship offer is not allowed. If a student does so he will be debarred from placements.
- 3) Off campus internships are not under the preview of the placement cell, but at the same time if student is also participating through the campus process then if offered/selected, he/she will have to go with the campus offer & the Off Campus offer will not be considered.

# Our Recruiters





data64



nagarro

**Epic**

snapdeal.com



BSB

SIEMENS

paytm



# Testimonials

**Prof. John Hopcroft, Cornell University (Turing Award Winner):** “It is great that India has created another first rate educational institution. I hope others will follow your example of striving for excellence in education and research.”


**Dheeraj Sanghi, Professor, Computer Science and Engineering, IIT-Kanpur:** “IIT Delhi is the newest amongst the IITs.... it has already started making waves. It has been able to attract excellent faculty, start strong research programs, have a great curriculum, and everything else that you would want from a good institution.”

**P. Anandan, Managing Director of Microsoft Research India,** rates Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi), which was created as a State University by an act of Delhi Government in 2008, in the “same league as the IITs”.

**Prof. Satish K. Tripathi, Provost, SUNY Buffalo:** “...I am confident, given the leadership and the high quality faculty the Institute has already recruited, that IIIT-Delhi will be one of the top Institutes ...within a few years.”

**S. N. Maheshwari, Ex-Dean, IIT Delhi:** “...IIIT-Delhi stands out for the planning, attention to detail, ... provided the Institute does not lose sight of the objectives and goals.”

**Prof. Rajeev Sangal, Director, IIIT Hyderabad:** “I see IIIT-Delhi coming up in right earnest with innovative programs ... also addressing all round development of the student ....”



**Sanjeev K Aggarwal, Dean, IIT Kanpur:** “...IIIT-Delhi has done an excellent job of recruiting high quality faculty in a very short time, ...”

**S. N. Maheshwari, Ex-Dean, IIT Delhi:** “...IIIT-Delhi stands out for the planning, attention to detail, ... provided the Institute does not lose sight of the objectives and goals.”

**Krithi Ramamritham, ex-Dean, IIT Bombay:** “In a short time IIIT-Delhi has brought together a strong internationally-trained multi-disciplinary faculty with varied experience ...”

## DGM Corporate relations & Placements

Ms. Rashmil Mishra (Email: [rashmil@iiitd.ac.in](mailto:rashmil@iiitd.ac.in))

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## Placement faculty in-charge: CSE

Dr. Rahul Purandare (Email: [purandare@iiitd.ac.in](mailto:purandare@iiitd.ac.in))

Office No. 011-2690-7473

## Placement faculty in-charge: ECE

Dr. Anubha Gupta (Email: [anubha@iiitd.ac.in](mailto:anubha@iiitd.ac.in))

Office No. 011-2690-7428

## Student Coordinators

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