IIITD

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

Information Brochure

For Admission to the B.Tech CSE, B.Tech ECE and B.Tech CSAM Programs

2016

www.iiitd.ac.in

Background

Indraprastha Institute of Information Technology, Delhi (IIIT 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. The mission of IIIT-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.

The institute began with its first batch of 60 B.Tech students in 2008. Since then, it has come a long way with 40+ excellent faculty members specializing in diverse areas of Computer Science & Engineering (CSE), Electronics & Communication Engineering (ECE), Applied Mathematics (AM), and Computational Biology (CB), and over 1000 students consisting of about 700 B.Tech students, about 200 M. Tech. students, and 100+ Ph.D. scholars. In a relatively short time, it has earned a good reputation in India and abroad for being a center of quality education and research and is regarded as one of the country's leading institute for IT education and research. The institute is accredited by NAAC at A level, and its B.Tech (CSE) is accredited by NBA. The Institute is also approved by UGC and AICTE.

Infrastructure and facilities

IIIT Delhi has been operating from its permanent campus in Okhla Phase III, since August 2012. The 25 acre campus has facilities for teaching and research, hostels for both boys and girls and provisions for sports. The Academic Complex has a total of 10 lecture halls. There are two lecture halls with a capacity to seat 180, one of capacity 160, two of capacity 60 and five of capacity 30. The Faculty and Research wing has a capacity of 50 faculty offices and 8 research labs, along with PhD rooms and M.Tech labs. The Library and Information Center has a common study area for students on the ground floor, the library on the first floor and also several labs on the upper floors.

The vibrant Dining and Recreation Centre houses the student mess, a cafeteria and facilities for extracurricular activities, such as a music room, table tennis and pool tables, and a gymnasium. The hostel area consists of a Boys' and Girls' hostel with a total capacity of about 550 students. The hostels have options of single, double and triple occupancy rooms, all of which are air conditioned. The hostels have their own badminton courts and a well-equipped common room. Infrastructure to support high quality research includes an internet access of 1 Gbps bandwidth; a data center with 40 servers and 45TB storage, latest software and peripherals. With over 18 clubs to choose from and two extremely popular academic and cultural fests, the students at IIITD are highly motivated and holistic in their pursuit of excellence. The institute recently organized an independent TEDxIIITD bringing the finest young leaders and their ideas worth spreading to the campus.

Phase II Construction

Construction of phase II of the campus is in full swing. This phase will add about 70000 sq meters including a new lecture hall complex, academic building, hostels, sports complex, etc. This will take the capacity of the Institute to about 2500 students and 125 faculty. Delivery of buildings is expected to start in April 2017.

About the programs

The Institute offers three BTech programs – in Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE), and Computer Science and Applied Mathematics (CSAM). The BTech (CSAM) is a new program, which is starting this year. The primary objectives of these B.Tech programs are to prepare students to undertake high end careers involving innovation and problem solving, to go for advanced studies for research and academic careers, or to become an entrepreneur.

Our distinctive vision is how we propose to integrate the three fundamental streams of IT – Computer Science, Electronics and Communications Engineering, and Mathematics, to mutual benefit. We believe that our technological era is rich with opportunities for those who create new applications based on systems integration of existing technology components, in addition to the creation of new frontiers of engineering knowledge. The curricular structure supports this vision.

The first year program is common for all the three programs to allow flexibility to students in moving from one program to the other. As the Institute is focused around these disciplines, unlike an engineering institute which normally starts with courses in physics, chemistry, etc in the first year of the BTech program, at IIIT-Delhi students do courses related to programming, hardware, mathematics, as well as Communication skills, etc. The second year program comprises mostly of core courses for the disciplines. Third year onwards the program is flexible comprising of electives, which may be organized as streams. Flexible course options (electives) in the 3rd and 4th year allow students control over the choice of specialized 'tracks' in accordance with their interests; in conjunction with 4th year projects and design oriented classes. Students can choose their discipline courses from a large number of choices offered (over 50). Students can take a number of open electives also, which they can also choose from a range of courses that are offered, both within and outside their discipline. To provide a broad-based development, students also do some Humanities and Social Sciences courses from a set of courses that are made available. We believe that the program provides the necessary depth and broad systems-centric educational experience for long-term success in the emerging cutting-edge industries in the field of IT. For more information on the programs and courses within the programs, please visit the website.

Faculty

The quality of an Institute is largely determined by the quality of its faculty. IIIT-Delhi boasts of faculty which is as good as those in the IITs. It has about 40 full time faculty members, all of whom are PhD from the finest institutions across the world (more than half have PhDs from US or Europe), with almost all having significant global exposure. The regular faculty is supported by visiting faculty (about 10) and guest faculty for teaching courses. There are a number of adjunct faculty from industry as well as other Institutions. Besides excellence in teaching, there is a committed pursuance of high quality research and innovation. The faculty and the institute benefit from a thriving relationship with both the industry as well as leading government research agencies. The students get exposure to both excellent teaching learning pedagogy deployed by the faculty as well as an opportunity to be trained by and collaborate with accomplished researchers in their disciplines.   To see a list of faculty members, visit: http://www.iiitd.ac.in/faculty

Placements

IIIT Delhi students enjoy the best combination of strong technical background and excellent soft skills, and continue to witness impressive placement statistics. The average Indian Salary of the last batch of BTech is Rs 11.99 Lac, which compares favorably with the best in the country. We host a large number of companies in both CSE & ECE including MNCs like Microsoft, Adobe, Amazon etc., Indian Companies like Flipkart, Myntra, Snapdeal etc. and also many startups. Visit the placement page for more information https://www.iiitd.ac.in/placement.

Research

Excellence in research is essential for an Institute to gain global stature. IIIT Delhi is an Institute of higher education with a strong focus on research. It has built strong research groups, some of whom are already amongst the largest in India. The institute has received about 8 crores as research funds from DIT, DST, Nokia, SAP, Microsoft, IKSL, FIST,National Geographic Society, TCS, Indo-US Science and Technology Forum, Vishveshariya, etc. Currently, the main research groups include Image Analysis and Biometrics, Artificial Intelligence,

We have setup a Research Centre in Artificial Intelligence with support of Rs 24 Crore from Infosys. It is one of the largest gifts by any company to an educational institute in India. Mobile and Ubiquitous Computing, Software Engineering & Programming Languages, Wireless Systems, Advanced Electronic Systems, Information Security and Privacy, Information Management and Data Analytics, Theoretical Computer Science, GeoInformatics, Signal Processing and Scalable Systems. The institute has embedded research based project work in the undergraduate program.

Admission process

Eligibility

A candidate who has secured 80 percent or more marks in aggregate for five subjects (including Physics, Chemistry and Math) and 80% or more in Mathematics in class XII from CBSE/ICSE/IB board or equivalent is eligible for applying to IIIT-D. This requirement is in addition to the marks obtained in Paper 1 of JEE (Main) 2016 and normalized score in Class 12th. If the result of class XII is not declared by the last date of applying, the student is not eligible for this year's admission process. If the board has more than five subjects for aggregate, the best five will be taken into account. No candidate without proof of at least 80% in aggregate for five subjects (including Physics, Chemistry and Math) and 80% in Mathematics will be entertained for admission even if he/she qualifies the JEE (Main) 2016.

Candidates belonging to the following categories, who apply for seats reserved for them, shall be allowed a relaxation of the eligibility requirement. The relaxation is applicable both in Mathematics and overall percentage as detailed below:

- Scheduled Castes (SC) and Scheduled Tribes (ST): A relaxation of 10 percent marks in the eligibility requirements for the seats reserved for them.
- Defence: A relaxation of 5 percent marks in the eligibility requirements for the seats reserved for them.
- Persons with Disability (PwD): A relaxation of 5 percent marks   in the   eligibility

requirements for the seats reserved for them.

- OBC: A relaxation of 5 percent marks in the eligibility requirements for the seats reserved for them.

Any other relaxation, if any, will be announced on the joint counseling website.

Admission criteria

Admission will be based on the total marks obtained in Paper 1 of JEE Main 2016 and score in Class 12th or other qualifying exams. JEE main will have a 60% weight and Class XII marks will have 40% weight. In addition, up to 10 bonus marks will be given to candidates as mentioned below. For all these, official supporting documents (letters, certificates, etc) will have to be provided. IIIT-Delhi will also directly verify it from the organizers.

1. **Olympiads. Indian National Olympiad in Informatics, Maths, Physics, Chemistry, Astronomy, and Biology:**
   - 10 marks, if the student was selected for the summer training camp for selection of the final team for International Olympiad (i.e. IOITC, IMOTC, OCSC for Physics, Chemistry, Astronomy, or Biology); Supporting documents needed: Certificate/letter from organizers.
   - 6 marks, if the student qualified to appear in the National Level Exam for selection for the summer camp (i.e. INOI/ INMO/ INPhO/ INChO/ INAO/ INBO). Supporting documents needed: Qualification letter/email to appear in the exam.

2. **Procon Junior programming contest:**
   - 10 marks for the medal winners; Supporting documents needed: Certificate/letter from organizers certifying this.
   - 6 marks for those who got certificates of Achievement; Supporting documents needed: Certificate/letter from organizers certifying this.

3. **National Talent Search scholarship**

   - 6 marks, if a student has won this scholarship. If a student gets this in a specific category, then he/she can only be considered for admission in that category. Supporting documents needed: Certificate/grant letter

4. **Kishore Vaigyanik Protsahan Yojana (KVPY)**
   - 6 marks, if a student has qualified for this scholarship. If a student gets this in a category, then he/she can only be considered for admission in that category. Supporting documents needed: Certificate of merit/grant letter.

5. **INSPIRE Program of DST.**
   - 6 marks if a student has qualified for participation in the National Level Exhibition & Project Competition (NLEPC). Supporting documents needed: Official participation certificate from DST.
   - 10 marks if a student is a recipient of Gold/Silver/Bronze/Consolation Award in NLEPC. Supporting documents needed: Official certificate for the award from DST.

6. **IGNITE Award of National Innovation Foundation**
   - 10 marks if a student is a recipient of the National IGNITE Award.
     Supporting documents needed: Official certificate for the award from NIF.

7. **IRIS National Science Fair**
   - 6 marks if a student is selected for the National Fair 10 marks if a student is recipient of the award for participation in the International Science and Engineering Fair (ISEF) Supporting documents needed: Official certificate for the award from IRIS.

8. **Sports:** In any sport in "high priority & priority discipline" (as per terminology used by SGFI), except Chess (as Chess is dealt with separately), if a student has represented a state in (i) National School Games organized by a School Games Federation of India, in U19 or U17 category, or (ii) national championship organized by a National Sports Federation in Junior category:
   * 6 marks for participation or winning a medal. Supporting documents needed: Certificate for the medal, or Certificate of participation issued by School Games Federation of India or by a National Sports Federation.
9. **Chess:**
   * 10 marks for those whose FIDE rating is above 1800; Supporting documents needed: FIDE ID, Self-attested printout of list of international rated tournaments played as provided by FIDE through their official website.
   * 6 marks for those whose FIDE rating is between 1200-1800. Supporting documents needed: Same as above.
10. **Culture:**
   * 6 marks for those Student who have received "Scholarship to Young Artistes" given by Ministry of Culture, Government of India, or "Cultural Talent Search Scholarship Scheme" given by Centre for Cultural Resources and Training an autonomous body under the aegis of Ministry of Culture, Government of India. Supporting documents needed: Scholarship sanction letter and certificate issued by Ministry of Culture, Government of India / Centre for Cultural Resources and Training, Government of India.

Note: If the candidate has qualified for more than one category, he/she will get higher marks under any of the categories.

Merit list

Merit list will be prepared as follows:
1. Total marks obtained in Paper I in JEE Mains 2016, converted to the base of 60.
2. Normalized score in Class 12th, converted to the base of 40.
3. Bonus marks, if any, as defined above (maximum: 10).
4. The priority list will be based on the total of the above three.

In case of a tie, the candidate with a higher rank in JEE Mains shall rank higher. Age criteria. A candidate should be less than 25 years of age as on 1st October 2016.

Joint Counseling

The admission will be through joint counseling with Delhi Technological University (DTU), Netaji Subhash Institute of Technology (NSIT), and Indira Gandhi Delhi Technical University for Women (IGDTUW). During joint counseling, admissions will be offered to candidates in order of merit list in different categories. Detailed instructions for joint counseling will be posted on the counseling site from time to time. When all seats are filled, a waiting list will be prepared. Later, only candidates from the waiting lists prepared during joint counseling will be offered admission against any vacancies created. The portal for joint counseling (www.jacdelhi.nic.in) will be activated around mid-June. Online application forms will be available from June 24, 2016 (tentative); last date for registration will be July 4, 2016.

Number of seats + reservation

(a) The number of seats for the BTech programs in Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE). and Computer Science and Applied Maths (CSAM) starting in 2016 are110, 80, 60 respectively, of which 85% are reserved for Delhi students and 15% for outside Delhi students. (01 supernumerary seat is reserved for Kashmiri Migrants and twenty five supernumerary seats are reserved for foreign nationals.)

Branch	CSE		ECE		CSAM	
Category	Delhi	Outside Delhi	Delhi	Outside Delhi	Delhi	Outside Delhi
GNGN	50	9	37	6	27	5
GNCW	3	0	2	0	1	0
GNPH	2	0	1	0	1	0
OBCGN	23	4	16	3	13	2
OBCCW	1	0	1	0	1	0
OBCPH	1	0	1	0	0	0
SCGN	13	2	9	2	8	1
SCCW	1	0	1	0	0	0
SCPH	0	0	0	0	0	0
STGN	0	1	0	1	0	1
STCW	0	0	0	0	0	0
STPH	0	0	0	0	0	0
Total	94	16	68	12	51	9
1 seat is reserved as supernumerary for Kashmiri Migrants 25 Seats are reserved as supernumerary for Foreign Nationals						

a) **Scheduled Castes (SC):**15 % of the total seats.
b) **Scheduled Tribes (ST):**7.5 % of the total seats (Only for outside Delhi)
c) **Other Backward Classes (OBC- NCL):**27% of the total seats.
   Sub categories under each category (including General Category)
d) **Defence Category(CW)**
   5% of the total seats are for children belonging to Defence Category in the following priority:-

   Priority I - Widows/wards of Defence Personnel/Para-Military Personnel killed in action. Required Certificate: Proof in Original.

   Priority II - Wards of serving Defence personnel and ex-servicemen/Para-Military Personnel disabled in action. Required Certificate: Original disability certificate clearly indicating the disability is attributable to Military Services.

   Priority III - Widows/wards of Defence Personnel/Para-Military Personnel who died in peace time with death attributable to Military Service. Required Certificate: Original death certificate clearly indicating the cause of death is attributable to Military Services.

Priority IV - Wards of Defence Personnel/Para-Military Personnel disabled in peace time with disability attributable to Military Service. Required Certificate: Original disability certificate clearly indicating the disability is attributable to Military Services.

Priority V - Wards of serving Defence Personnel and ex-servicemen para-Military / police personnel who are in receipt of Gallantry Awards

Priority VI – Wards of Defence Ex-servicemen. Required Certificate: Original ex-servicemen Identity Card/discharge book/PPO (Pension Payment Order).

Priority VII – Wards of Serving Defence personnel. Required Certificate: Original Service Identity Card and Dependent Card/ Certificate issued by the Competent Authority.

e) **Differently Abled Persons (PD)**
The 3% reservation may be allocated as follows: 1% for persons with low vision or blindness, 1% for persons with speech and hearing impairment, 1% for persons with locomotor disabilities and/or cerebral palsy, including dyslexia.

f) **Kashmiri Migrants (KM)(Supernumerary): 01 (One) seat**
Under this category, first preference will be given to Kashmiri migrant candidate who:
   a) has passed the requisite qualifying examination from a school / college / institute located within the NCT of Delhi;
   b) is registered in Delhi upto 11.06.2001 as Kashmiri Migrant; and is residing in the N.C.T. of Delhi.

NOTE:
i. In the case of category (a) and (b), the vacant seats are interchangeable.
ii. In case sufficient numbers of eligible candidates from category mentioned at (c) are not available, the vacancies will be **treated as unreserved**.
iii. Seats under category (e) are interchangeable within the category if sufficient candidates are not available in a particular sub-category.
iv. In case a sufficient number of eligible candidate from the categories mentioned at (d) and (e) above are not available, the vacancies **will be treated as unreserved in the respective category.**
v. The reservation under CW category is available only to such candidates who fall under the above listed seven priorities.

Certificates to be produced with respect to reserved categories

1. The candidate seeking admission under a reserved category has to mandatorily produce the caste/category certificate in his/her name at the time of counseling. The certificate in name of either of the parents (Mother/Father) is not acceptable and the candidate will not be entitled even for provisional admission.
2. The certificate should be issued from the respective state/region in which the reservation is claimed. For example, in case candidate claims an SC seat reserved for the Delhi Region, he/she has to bring SC certificate issued by Govt. of NCT of Delhi and should have also passed his/her qualifying exam from a Delhi school/college.
3. OBC candidates are required to produce a caste certificate issued by any of the authorities mentioned below after March 2016. If the certificate is issued prior to March 2016, it must be accompanied with an additional certificate regarding non-creamy layer status issued by the same competent authority.

SC/ST Candidates

SC/ST Candidates are required to produce a caste certificate from any of the following authorities:
- District Magistrate / Additional District Magistrate / Deputy Commissioner / Collector / Additional

Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional   Magistrate/Taluka   Magistrate Executive Magistrate / Extra Assistant Commissioner.

- Chief Presidency Magistrate / Additional Chief Presidency Magistrate /Presidency Magistrate
- Revenue Officer not below the rank of Tehsildar.

Defence Category

Defence candidates will have to produce a certificate by any of following authorities:
1. Secretary, Kendriya Sainik Board, Delhi.
2. Secretary, Rajya/Zila Sainik Board.
3. Officer-in-Charge, Record Office   of   concerned service   for   serving personnel.

PwD Category

PwD candidates are required to produce a certificate as to whether they are fit to undergo the course they have applied for. The certificate is available at the Vocational Rehabilitation Centre for the Handicapped, 9-11 Vikas Marg, Karkardooma, Delhi 110092.

OBC Category

District Magistrate / Additional District Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below   the   rank   of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate   / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.

Kashmiri Migrants

One seat, which will be supernumerary in nature, is earmarked for Kashmiri migrants.   Admission will be based on   merit. First preference will be given to Kashmiri migrants registered in Delhi up to 11-06-2001. A certificate of competent authority for availing   admission against Kashmiri Migrant Quota is to be produced by the candidates at the time of counseling. (The format is available on the website.)

Foreign students quota

25 additional (supernumerary) seats are reserved for foreign students. Admission to these seats will be through DASA 2016. Admission, Eligibility and Fee will be as per guidelines of DASA 2016 (Direct Admission to Students Abroad 2016) please refer to https://www.dasanit.org/ for details.

Fee structure

Tuition Fee (incl. Campus Maintenance)   Rs. 1,12,500   per semester
Fees will increase by 10% per annum to take care of the inflation.
In addition, there is a one-time refundable Caution Money Deposit of Rs. 10,000.

Hostel accommodation is optional and will be provided only to limited students, based on availability. Hostel fee is Rs 22,500 per semester (not including vacation) for double occupancy.

Single occupancy room's fee is Rs 30,000 per semester, and triple occupancy fee is Rs 20,000 per semester. Hostel fee is likely to go up by 5-10% every year.

Mess charges are on actuals and were about Rs 2500 per month in 2015-16.

Scholarships

The institute has introduced a merit scholarship, and also offers income linked fee-waiver for Delhi students

A.   Chairman's Merit Scholarship in BTech admission for top students

Any Delhi student whose JEE rank is less than 2000 will be given a scholarship of Rs 1.25 Lacs/ year (which can be adjusted against the fees) for the entire duration of their BTech at IIIT-Delhi, provided they maintain a CGPA of 8.5 or above. (i.e. they will get Chairman's Scholarship for the first year. For subsequent years they will get the scholarship if their CGPA is 8.5 or above.)

Note: These students are not eligible for income linked fee waiver scheme of the Institute.

B.   Income-Linked partial fee Waiver scheme

Criteria	% Fee Waiver
1.Parents are in the Below Poverty Line Category	100
2.Gross Income of parents in service is up to Rs.6.0 Lakh p.a. (Rs 3.60 Lakh p.a. for those having business income) and last school fee paid is less than Rs.0.25 Lakh p.a.	50
3. Gross Income of parents in service is between Rs.6.0 Lakh and Rs.8.0 lakh p.a. (Rs.4.80 Lakh p.a. for those having business income) and last school fee paid is less than Rs.0.45 Lakh p.a.	25

Note: that these are applicable only to students from Delhi, as IIIT-Delhi is a State Government institution of the state of Delhi.

Even if one parent has business income, the limit for business income will be applicable for the combined income.

Important dates (tentative)

Release of online application form   24th June 2016 (Friday)
Last date for online application   4th July 2016 (Monday)
Display of Merit List   7th July 2016 (Thursday)
Counseling   9th July 2016 (Saturday)
Display of wait list   12th July 2016 (Tuesday)

Note: No admissions will be done after the commencement of the classes even if some candidates drop out. Information and instructions for counseling, orientation, etc., will be posted from time to time on the Institute's website. This is the only method by which such information will be disseminated.

Contact

Admission Office.

Indraprastha Institute of Information Technology (IIIT) Delhi
Okhla Industrial Estate, Phase –III
Ist Floor, Academic Building,
Near Govindpuri Metro Station.
New Delhi
011-26907400-04
www.iiitd.ac.in

E-Mail

All queries may be sent to btech-admissions@iiitd.ac.in; however no individual replies will be sent. Replies /clarifications, if any, will be posted only on the institute's website.

Web

All information will be posted on the Institute website www.iiitd.ac.in all future announcements, clarifications, etc. will only be posted on this address.

Some important information

Ragging in any form is banned in IIIT-Delhi. The institute treats ragging as a cognizable offence and stern action will be taken against offenders.

Disclaimer

This is the initial brochure, and is subject to modifications as per the institute policy. Regarding seats and counseling, in case of any conflict, the information listed on the Joint Admissions Counseling Website (jacdelhi.nic.in) will be considered final.