Minutes of the 36thSenate meeting of IIIT-D held on 20th September, 2017 at 03.30PM   in the Senate Room, B-wing, R&D Building, Okhla Industrial Estate, Phase-III, New Delhi-110020

Following members were present:
- Prof. Pankaj Jalote — -Chairman
- Prof. (Ms) Basabi Bhaumik — - External Member
- Dr. Kaushik Saha — - External Member
- Dr. LipikaDey — -External Member
- Dr. Arbind K. Lal — -External Member
- Mr Rajamohan Varambally — -External Member (on telecon)
- Prof. SamareshChatterji — - Ex-OfficioInternal Member
- Dr. Anubha Gupta — -Ex-OfficioInternal Member
- Prof. Anand Srivastava — -Ex-OfficioInternal Member
- Dr. Pushpendra Singh — - Ex-OfficioInternal Member
- Dr. Vikram Goyal — -Ex-OfficioInternal Member
- Dr. Rahul Purandare — -Ex-OfficioInternal Member
- Dr. M.S. Hashmi — - Ex-OfficioInternal Member
- Dr. Sneh Saurabh — - Ex-OfficioInternal Member
- Dr. MayankVatsa — - Ex-OfficioInternal Member
- Dr. GPS Raghava — -Ex-OfficioInternal Member
- Dr. Ojaswa Sharma — -Ex-OfficioInternal Member
- Dr. Sujay Deb — -Ex-OfficioInternal Member
- Dr. Gaurav Arora — -Ex-OfficioInternal Member
- Dr. Akshay Kumar — - Faculty –IIITD
- Dr. Tanmoy Chakraborty — - Faculty-IIITD
- Dr. Sanat Biswas — - Faculty-IIITD
- Dr. Rakesh Chaturvedi — - Faculty – IIITD
- Dr. VenkataRatnadeepSuri — - Faculty – IIITD
- Dr. ShriramVenkatraman — - Faculty-IIITD
- Mr. Ashutosh Mittal — - (Student Representative)
- Mr. Akashdeep Singh — - (Student Representative)
- Dr. B. Chandrasekar, Registrar — -Secretary
- Mr. K.P. Singh — - Academic Incharge
- Ms.SheetuAhuja — - Manager(Academic)
- Ms. Priti Patel — - JM (Academic)

THIRTYFIFTH (36th) MEETING OF SENATE OF IIIT-DELHI
(HELD ON 20th September 2017)

MINUTES OF THE MEETING

General

36.1   Opening remarks of the Chairman.

The Chairman welcomed all to the meeting. He also informed that from Academic year 2017-18 two new B.Tech. programs viz. B.Tech. in Computer Science and Design (CSD) and B.Tech. in Information Technology and Social Sciences (ITSS) have been started. Thereafter, agenda items were taken up for discussions.

36.2   Confirmation of minutes of the 35th meeting of the Senate held on 19.04.2017

Since there were no comments, the minutes of the 35th   meeting of the Senate held on 19.04.2017 were confirmed.

36.3   To consider End of Semester Summary Report (Monsoon 2016)

Chairman briefly apprised the members of the summary of various activities undertaken in the previous semester (Winter 2017). He also informed that Institute is more actively trying to identify 1st year students facing difficulties in courses early, so they can be helped, and several steps are being envisaged. After discussions it was agreed that:

 (i)   Instructor of the course will identify the weak students and inform the Academic Section
 (ii)   The Student Senate will run time management module
 (iii)   Student Senate will collect feed back from the students as to what they need from the institute to improve their performance
 (iv)   Head of Department will meet the weak students at the beginning of semester, after three weeks and after mid semester examination
 (v)   Parents of the students with poor performance and poor attendance will be informed after the mid semester examination.

The Academic Section will take necessary steps for implementation of the above.

36.4   Approval of Academic Calendar for Winter Semester 2018

The Senate after making a few minor change approved the Academic Calendar for Winter Semester 2018 placed at Appendix-I.

36.5 Application to NBA for Accreditation of PG programs

Chairman informed the members that the Institute had applied to NBA for accreditation of two PG programs viz. M.Tech.(CSE) and M.Tech.(ECE) . The NBA has informed that M.Tech(ECE) program is not eligible for accreditation as the B.Tech(ECE) has not yet been accredited. Hence, for M.Tech (CSE) revised SAR has been submitted and the team from NBA is likely to visit shortly. During the course of discussions the members were unanimously of the view that the above new rule does not seem to be appropriate for a research institute and therefore, we should write to NBA to include M.Tech.(ECE) for accreditation.

36.6 Discussion regarding holding of 6th Convocation and related issues

Chairman, Senate apprised the members of the forthcoming convocation being planned to be held on 23rd or 24th December,2017, the final date will be announced after the Chief Guest is selected and confirmed.

36.7 To report the list of students who completed graduation requirements on 21stMay and 21st August 2017

The Senate approved the list of students who completed Graduation requirement on 21stMay and 21st August 2017 placed at Appendix-II. Chairman, Senate was also authorized to add any new name(s) of the student(s) eligible for the award of degree and report to the next meeting of the Senate.

36.8 To report recommendation for various Convocation Awards/Medals for the year 2017

Chairman, Senate apprised the members of the recommendations made by the various committees constituted for recommending the awards. The Senate agreed to the recommendations and approved the following awards:

Chancellor's Gold Medal:
  2013095- Shivam Thukral
  2013092- Saurabh De
Batch Topper Medal:
  ECE- 2013150-Puneet Jain
All Round Performance Medal:
  CSE- 2013044-Juhi Bhatnagar
  ECE- 2013150-Puneet Jain
Best BTP Project award:
Research Track:
  2013051-Kartik Maji, 2013166-Taruvar Agarwal, 2013159-Shubham
Entrepreneurship Track:
  2013039-Herman Swami, 2013019-Ankur Singh, 2013073-Prikankshit Mor

Medal for M.Tech. students for securing the highest CGPA
MT15006-Anurag Goel

36.9   To report   Dean's lists (for Academics, IRD, and Students) for students' recognition in the Foundation day.

Senate noted the Dean's lists (for Academics, IRD, and Students) for students' recognition in the Foundation day 2017 as per details at Appendix-III.

The Senate requested the Dean IRD and Dean Students to explore ways to give more such awards to recognize students' contributions, and also to have more MTech and PhD students.

36.10   To report the new courses approved during Academic year 2016-17.

Senate noted the new courses approved during Academic year 2016-17

36.11   To report the release of UG/PG regulations (July 2017 release) and Handbooks.

The Senate noted the release of following UG/PG regulation (January 2017 release):

- Regulations for BTech.Programs
- Regulations for MTech./Ph.D. Programs

The specific regulations for the various programs may be first vetted by the respective program Coordinators/Chair UGC/PGC and approved by the Chairman, Senate before they are released.

For release of following Handbooks it was decided that henceforth these may be updated and released with the approval of the Dean Academic Affairs:

- Student Handbook
- MTech Student Handbook
- PhD Student Handbook

UG RELATED MATTERS

36.12   To consider Regulation for new B.Tech. program in Computer Science and Design(CSD)

Chairman, Senate apprised the members of the draft regulation for new B.Tech. program in Computer Science and Design(CSD) placed at Appendix-IV.   After detailed deliberations it was decided that the proposed regulation may be reviewed by the Coordinator of the program in the light of the discussions held at the meeting. If there is no further change the proposed Regulation may be treated as approved.

36.13 To consider Regulation for new B.Tech. program in Information Technology and Social Sciences(ITSS)

Chairman, Senate apprised the members of the draft regulation for new B.Tech. program in Information Technology and Social Sciences(ITSS) placed at Appendix-V. After detailed deliberations it was decided that the proposed regulation may be reviewed by the Coordinator of the program in the light of the discussions held at the meeting. If there is no further change the proposed Regulation may be treated as approved.

36.14 To consider the proposal for modification of existing rules for Branch change.

Chairman, Senate apprised the members of the existing rules for Branch change and the proposed modifications contained in the proposal. During the course of discussions the UG Chair explained and clarified the queries made by the members. After detailed deliberations the Senate after making few minor changes approved the modified rules for Branch change placed at Appendix-VI.

36.15 To ratify the decision taken by Chairman Senate for allowing Aman Verma,2011015, a B.Tech. student to register for an extra semester beyond 6 years to complete the degree requirements.

Senate ratified the decision taken by Chairman Senate for allowing Aman Verma,2011015, a B.Tech. student to register for an extra semester beyond 6 years to complete the degree requirements. Further, the Senate desired that the Institute meet his parents. Also, it was recommended that in future the institute should meet the parents of any student who has not completed the graduation requirement within 5 years.

36.16   To report the status of B.Tech. admission for Academic year 2017-18

Chairman, Senate informed the members of the admissions made to the academic programsthrough various modes mentioned below. Manager (Academics), Ms. Sheetu Ahujaclarified the queries made by the members. She also informed that this year 4candidates have been offered admission by AICTE under the PM Scholarship Scheme for J&Kstudents for the second time.

Admissions to B.Tech program for 2017 were done through following modes:

1) Joint Admission Counselling (JAC)
2) UCEED (for admission to BTech CSD program)
3) IIITD Counselling (for admission to BTech ITSS program)
4) DASA (For foreign student's admissions)
5) IIITD Admissions for Foreign Nationals
6) PMSS (For J&K candidates)
7) Wards of IIITD

The Senate noted with satisfaction the details of admissions made to various B.Tech. programs for the Academic year 2017-18.

Arising out of discussions the Senate desired to compute/compile the data for number of students joined, number of students on the rolls at the end of first semester, number at the end of second semester and the number till graduations. The data should also show how many finally graduated (passed out).

36.17   To repot Branch transfer of B.Tech. students of 2016 batch

The Senate noted the branch transfer of the following B.Tech.students of 2016 batch after first year:

S.No.	Roll No.	Name	Old branch	Transferred to
1	2016259	RaghavSood	BTech (CSAM)	BTech (CSE)
2	2016271	Surabhi S Nath	BTech (CSAM)	BTech (CSE)
3	2016163	Mehak Gupta	BTech (ECE)	BTech (CSE)
4	2016220	Aditya Singh	BTech (CSAM)	BTech (CSE)
5	2016112	Varun Ramanathan	BTech (CSE)	BTech (CSAM)
6	2016204	Taejas Gupta	BTech (ECE)	BTech (CSE)
7	2016142	Brihi Joshi	BTech (ECE)	BTech (CSE)
8	2016277	Vishal Singh	BTech (CSAM)	BTech (CSE)
9	2016234	BaaniLeen Kaur Jolly	BTech (CSAM)	BTech (CSE)
10	2016268	Siddharth Yadav	BTech (CSAM)	BTech (CSE)
11	2016275	Vaasu Gupta	BTech (CSAM)	BTech (CSE)
12	2016146	DhruvBhagat	BTech (ECE)	BTech (CSE)
13	2016216	Aarushi Agarwal	BTech (CSAM)	BTech (CSE)
14	2016135	AnvitMangal	BTech (ECE)	BTech (CSAM)
15	2016197	ShreedharGovil	BTech (ECE)	BTech (CSAM)
16	2016126	ABHISHEK AGARWAL	BTech (ECE)	BTech (CSAM)

Transferred to :CSE- 12 and CSAM- 4

36.18   Recommendation/Report by UGC

(i) To consider recommendation of the UGC to allow a B.Tech. Student, Ishan Sharma, who already completed his graduation requirement in Winter Semester 2017, to register two extra courses to improve his CGPA. Senate may also consider policy guidelines to regulate such cases where student wants to spend an extra semester/year to register courses after completion of graduation requirements.

Senate considered and agreed to the recommendation of the UGC to allow a B.Tech. Student, Ishan Sharma, who had already completed his graduation requirement in Winter Semester 2017, to register two extra courses to improve his CGPA. It was also decided that after completion of 152 credits required for graduation if the student wants to register extra credits beyond 152 may be allowed registration of only one extra semester to register extra credits provided he/she pays fees for that semester. However, such students will not be considered for award of medal.

(ii) To consider recommendation of the UGC for approving a BTP form for pursuing their B.Tech. projects / Independent Study in foreign universities.

Linked to item no. 36.29

M.TECH. RELATED MATTERS

36.19   To ratify the decision taken by Chairman Senate for approving the recommendation of the PGC made at its 22nd meeting held on 22.03.2017 with regard to replacement of courses by an M.Tech. student

 Senate ratified the decision taken by the Chairman Senate

36.20   To report the status of M.Tech. admission for Academic year 2017-18

The Senate noted with satisfaction the details of admissions made to various M.Tech. programs for the Academic year 2017-18

36.21   Recommendation/Report by PGC

To consider recommendation of the PGC for nomenclature of the Medal to be awarded to M.Tech. students for securing the highest CGPA in the graduating batch across all disciplines.

This item was dropped. The recommendation of the PGC to be put up to Chairman Senate as per earlier decision of the Senate.

PhD RELATED MATTERS

36.22   To report the status of Ph.D. Admissions for Academic year 2017-18

The Senate noted the position.

26.23   To consider details and summary of PhD students mid review and yearly held in July 2017

The Senate noted the position.

36.24   To ratify the decision taken by Chairman Senate for award of PhD Degrees.

 The Senate ratified the approval given by Chairman Senate for the award of   PhD Degree to the following students:

S.No	Roll No	Name	Advisor Name	Defense Date	Thesis Title
1	PhD1326	Anuprriya Gogna	Dr Angshul Majumdar	26.04.2017	Latent Factor Models For Collaborative Filtering
2	PhD1302	Swati Agrawal	Dr Ashish Sureka, DrVikram Goyal	22.06.2017	Open Source Social Media as Sensors for Enabling Government Identification, Prediction and Response Applications
3	MT10012	Niharika Sachdeva	Dr Ponnurangam Kumaraguru	27.06.2017	Mining User-Generated Content to Enhance Collaborative Action between Residents and Organizations
4	PhD1102	AyushiRastogi	Dr Pankaj Jalote, Dr Nachiappan Nagappan	02.08.2017	Empirical Analyses of Software Contributor Productivity
5	PhD1003	AnushSankaran	DrMayankVatsa, Dr Richa Singh	10.08.2017	Learning Representations for Matching Fingerprint Variants
6	PhD1224	Hemanta Kumar Mondal	DrSujay Deb	14.08.2017	Power- and Performance-aware On-Chip Interconnection Architectures for Many-core Systems
7	PhD1004	Damodaram Kamma	Dr Pankaj Jalote	18.08.2017	Study of Task Processes for Improving Programmer Productivity

36.25   To report PhD students who have withdrawn from the program from April 2017 to August 2017

The Senate noted the position and desired that data from IIT Delhi and IIT Kanpur may be collected to see the drop out rate in First, Second and Third year in general and CSE and ECE discipline in particular. The reasons for drop out may also be ascertained.

STUDENT DISCIPLINE AND OTHER STUDENT RELATED MATTERS

36.26   To report new policy for punishment for plagiarism and use of unfair means.

The Senate noted the new policy for punishment for plagiarism and use of unfair means placed at Appendix-VII. There was a suggestion that in some courses, a small quiz may be done on the plagiarism policy to ensure that the students are clear about it.

The Senate desired that Advisor(s) should certify that checking of plagiarism has been done for the M.Tech./Ph.D./BTech thesis and the plagiarism report should be attached while submitting the thesis. The form for checking the plagiarism may be got vetted by Dr. MayankVatsa and it should be ensured that there is no plagiarism in the thesis submitted for evaluation. The process of plagiarism check being followed at IIT Delhi and IIT Kanpur may be ascertained to further improve the system of plagiarism check.

36.27 **To report the judgment of the Hon'ble Delhi High Court in the Appeal filed by the Institute (IIIT Delhi Vs. AnshitVerma&Ors - LPANo.580/2017)**

The Senate noted with satisfaction the Judgment of the Hon'ble Delhi High Court allowing the appealfiled by the Institute (IIIT Delhi Vs. AnshitVerma&Ors - LPANo.580/2017)against the judgment of the Learned single Judgein the writ petition (WP (C) 6733/2017) of Mr. AnshitVerma, an OBC candidate for admission to B.Tech. program through Joint Admission Counselling (JAC) 2017.

ADDITIONAL ITEMS

36.28 **To consider the proposal for starting Ph.D. in Social Sciences.**

Chairman, Senate informed that when the Institute forms a department, as research is the focus of the Institute, starting a PhD program in that discipline is an obligation. And so proposed the starting of PhD program in Social Sciences for the Dept of SSH. He informed that general regulation for this program will be as specified in the PG Manual and the Social Science and Humanities (SSH) faculty will evolve special requirements (if any) in due course. After deliberations the Senate approved in principle, the proposal for starting a Ph.D. program in Social Sciences. The details will be worked out by the Department by taking input from IITs. The SSH faculty will also evolve ways to ensure that Ph.D. students can do their required course work.

36.29 **To consider recommendation of the UGC for appointment of External Co-guide for BTP**

Dr. Anubha Gupta, Chair UGC apprised the members of the recommendation of the UGC for appointment of external co-guide for BTP. After detailed deliberation the Senate approved as follow:

1. A BTP may have an external co-guide. For adding an external co-guide, a proposal should be made for approval to UGC by the student and the BTP guide from IIITD. The proposal should contain the project tittle, a brief description of the project, CV of the external co-guide, and his/her contact details with the name of the organization. Only after the UGC approval, the co-guidance can be allowed.

2. Once approved, the external co-guide will have to confirm in writing that 1) the student will follow all the requirements/rules of BTP as applicable at IIIT-D, 2) the work done/BTP thesis/reports of the work will be available in the public domain, 3) he/she will supervise the BTP for the entire duration, and 4) the work done under this BTP will be the shared intellectual property (including academic publications) of IIIT-D and the organization of the external supervisor.

3. Duly signed in forms by student(s), IIIT-D guide, and external co-guide will be submitted to the IIIT-D Academic Section.

4. The external co-guide cannot be added in the middle of the BTP, but has to be added at the beginning of the BTP, i.e., when the student registers for the first few credits toward the BTP.

5. Initially, the co-guide may be allowed from only from academic institutions of repute and R&D labs of repute. The students must approach the UGC for approval at least 2 weeks before the start of the semester.

6. To facilitate this, a student may be allowed to take an underload for one semester – in which he/she may register only for BTP credits. And he/she may be allowed to work with co-gude as decided by the BTP guide.

7. Two separate forms to be suitably designed by UGC to cover the above points.

36.30 Allowing for registration for substantially reduced credits (even only 4) in one of the semesters to B.Tech Students

Dr. Anubha Gupta informed that a need is felt for allowing a substantial underload in one semester for BTech students for the following reasons: (i) Some students are able to complete most of the credit requirements in 7 semesters (e.g. by taking courses in summer term, extra credits in a sem, etc.), and may have very few credits left in their last semester. While 8 semesters is required for a BTech, Institute may consider allowing such students to go on a underload (say registering only for 4 or 8 credits) in some semester. (ii) Some students want to do an internship in a semester, and would like to do a 4 credit IP/IS/UR/BTP during that semester, and make up for the loss of credits through summer courses etc.

After detailed deliberations the Senate felt that a rule to allow a reduced load of just 4 or 8 credits in one semester has other ramifications, and may impact BTP, Honors program, etc. Senate suggested that Departments may discuss this, and then give inputs to UGC to formulate a suitable policy.

The meeting ended with a vote of thanks to the chair.

ACADEMIC CALENDAR
(WINTER SEMESTER 2018)

Week 0 (Dec-Jan)

Mon	Tue	Wed	Thur	Fri	Sat
25	26	27	28	29	30
		Semester Begins	3 Days Module for Btech Students		

Week 1 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6
1st Day of Class		Last day for Late Regn.		Last day for course Add/Drop	H

Week 2 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
8	9	10	11	12	13
	SG/CW Presentations				H

Week 3 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
15	16	17	18	19	20
				Odyssey	H

Week 4 (Jan)

Mon	Tue	Wed	Thurs	Fri	Sat
22	23	24	25	26	27
				Republic Day / H	H

Week 5 (Jan-Feb)

Mon	Tue	Wed	Thur	Fri	Sat
29	30	31	1	2	3
	TT-Fri				H

Week 6 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
5	6	7	8	9	10
					H

Week 7 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
12	13	14	15	16	17
		Mahashivratri / H			H

Week 8 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
19	20	21	22	23	24
Mid-Sem Examinations (17-24 Feb 2018)					

Week 9 (Feb-March)

Mon	Tue	Wed	Thur	Fri	Sat
26	27	28	1	2	3
Mid Recess*				Holi	H

Week 10 (March)

Mon	Tue	Wed	Thur	Fri	Sat
5	6	7	8	9	10
			Last Date for Late Drop	Research Showcase (Tentative)	H

Week 11 (March)

Mon	Tue	Wed	Thur	Fri	Sat
12	13	14	15	16	17
					H

Week 12 (March)

Mon	Tue	Wed	Thur	Fri	Sat
19	20	21	22	23	24
					H

Week 13 (March)

Mon	Tue	Wed	Thur	Fri	Sat
26	27	28	29	30	31
			Mahavir Jayanti / H	Good Friday / H	H

Week 14 (April)

Mon	Tue	Wed	Thur	Fri	Sat
2	3	4	5	6	7
					H

Week 15 (April)

Mon	Tue	Wed	Thur	Fri	Sat
9	10	11	12	13	14
			Pre-registration Starts		H

Week 16 (April)

Mon	Tue	Wed	Thur	Fri	Sat
16	17	18	19	20	21
TT-Fri		BTP Submission		Last Day of the Class	

Week 17 (April)

Mon	Tue	Wed	Thur	Fri	Sat
23	24	25	26	27	28
End-Sem Examinations/Labs/Demos/Projects					

Week 18 (April-May)

Mon	Tue	Wed	Thur	Fri	Sat
30	1	2	3	4	5
Dropped GH	BTP Presentation				H

Week 19 (May)

Mon	Tue	Wed	Thur	Fri	Sat
7	8	9	10	11	12
Moderation Meeting	Summer Vacation Starts*			Announcement of Grades (Tentative)	Pre-registration Ends

TT: Adjusted Days	GH: Gazetted Holidays		
30-Jan(Tue): FRIDAY's Time Table	26-Jan Republic Day (Friday)	14-Feb Mahashivratri (Wednesday)	2-Mar Holi (Friday)
16-April(Mon): FRIDAY's Time Table	29-Mar Mahavir Jayanti (Thursday)	30-Mar Good Friday (Friday)	30-Apr Budh Purnima (Monday)
H:This includes Saturdays/Sundays and GH	*Mid Recess & Summer Vacation - For UG Students only		
TimeTable-Adjustment	Dropped GH	Important Events	Registration Dates

List of B.Tech. (CSE) Students Graduating on 21st May 2017

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
1	2013001	Aarushi	CSE	21st May 2017		
2	2013004	Abhishek Jain	CSE	21st May 2017		
3	2013007	Ajitanshu Singh	CSE	21st May 2017		
4	2013009	Aman Agarwal	CSE	21st May 2017		With Honors
5	2013010	Aman Khan	CSE	21st May 2017		
6	2013012	Amya Rai	CSE	21st May 2017		
7	2013016	Anjali Ujjainia	CSE	21st May 2017		
8	2013017	Ankit Verma	CSE	21st May 2017	With Eco Minor	
9	2013026	Atulya Jain	CSE	21st May 2017		
10	2013027	Ayush Shah	CSE	21st May 2017		With Honors
11	2013032	Deepanshu Arora	CSE	21st May 2017		
12	2013035	Gaurav Bansal	CSE	21st May 2017		
13	2013040	Himani	CSE	21st May 2017		
14	2013043	Jalaj Pandey	CSE	21st May 2017		
15	2013044	Juhi Bhatnagar	CSE	21st May 2017		With Honors
16	2013045	K Mahitha	CSE	21st May 2017		
17	2013046	Kapil Khatri	CSE	21st May 2017		
18	2013051	Kartik Maji	CSE	21st May 2017		
19	2013055	Mallika Alok Agarwal	CSE	21st May 2017		With Honors
20	2013059	Mayank Vachher	CSE	21st May 2017		
21	2013060	Mohammad Hammad Akhtar	CSE	21st May 2017		
22	2013061	Mohammed Nawazish	CSE	21st May 2017		
23	2013068	Nikita Gupta	CSE	21st May 2017		With Honors
24	2013073	Prikankshit Mor	CSE	21st May 2017		
25	2013076	Pushkin Soni	CSE	21st May 2017		
26	2013079	Ritwik Kaul	CSE	21st May 2017		
27	2013084	Saloni Gupta	CSE	21st May 2017	With Eco Minor	With Honors
28	2013086	Sameer Kumar	CSE	21st May 2017		
29	2013089	Saransh Gupta	CSE	21st May 2017	With Eco Minor	
30	2013092	Saurabh De	CSE	21st May 2017	With Eco Minor	
31	2013094	Shitij Singhal	CSE	21st May 2017		

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
32	2013096	Shrabanti Halder	CSE	21st May 2017		
33	2013097	Shrey Chopra	CSE	21st May 2017		
34	2013098	Shubham Aggarwal	CSE	21st May 2017		
35	2013100	Shubham Sharma	CSE	21st May 2017		
36	2013101	Shuchita Gupta	CSE	21st May 2017		With Honors
37	2013103	Sidhant Tickoo	CSE	21st May 2017		
38	2013104	Simran Saxena	CSE	21st May 2017	With Eco Minor	With Honors
39	2013105	Sonali Raichandel	CSE	21st May 2017		
40	2013106	Soumya Sharma	CSE	21st May 2017		
41	2013108	Srishti Sengupta	CSE	21st May 2017		
42	2013111	Sumit Keswani	CSE	21st May 2017		
43	2013121	Yashovardhan Sharma	CSE	21st May 2017		With Honors
44	2013122	Aditi Mithal	CSE	21st May 2017		With Honors
45	2013124	Akshit Jain	CSE	21st May 2017		
46	2013125	Amod Kant Agrawal	CSE	21st May 2017		
47	2013141	Naman Gupta	CSE	21st May 2017		
48	2013142	Neeraj Vaishnao	CSE	21st May 2017		
49	2013155	Saloni Kogta	CSE	21st May 2017		
50	2013161	Siddharth Jain	CSE	21st May 2017	With Eco Minor	
51	2013164	Srinidhi Hegde	CSE	21st May 2017		

List of B.Tech. (CSE) Students Graduating on 21st August 2017

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
1	2013005	Abhishek Mittal	CSE	21st August 2017	With Eco Minor	With Honors
2	2013014	Aneesh Dogra	CSE	21st August 2017		
3	2013019	Ankur Singh	CSE	21st August 2017		
4	2013021	Anmol Singh	CSE	21st August 2017		
5	2013022	Arjun Verma	CSE	21st August 2017		
6	2013023	Arushi Jain	CSE	21st August 2017		
7	2013025	Atul Jain	CSE	21st August 2017		
8	2013029	Bhavna Nagpal	CSE	21st August 2017		
9	2013030	Chanchal Prajapati	CSE	21st August 2017		
10	2013031	Chetan Sharma	CSE	21st August 2017		
11	2013033	Divya Mehra	CSE	21st August 2017		
12	2013038	Gurshabad Singh Grover	CSE	21st August 2017		
13	2013039	Herrman Swami	CSE	21st August 2017		
14	2013042	Ishita Khurana	CSE	21st August 2017		
15	2013047	Karan Barsiwal	CSE	21st August 2017		

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
16	2013056	Manan Wason	CSE	21st August 2017		
17	2013057	Manav Batra	CSE	21st August 2017		
18	2013062	Mohini Verma	CSE	21st August 2017		
19	2013063	Mohit Wadhwa	CSE	21st August 2017		
20	2013064	Naman Gupta	CSE	21st August 2017		
21	2013065	Namrata Deka	CSE	21st August 2017		With Honors
22	2013067	Nikhil Singhal	CSE	21st August 2017		With Honors
23	2013071	Ojaswi Gupta	CSE	21st August 2017		
24	2013074	Priyanshu Singh	CSE	21st August 2017		
25	2013075	Protichi Basak	CSE	21st August 2017		With Honors
26	2013080	Rohit Singh	CSE	21st August 2017		
27	2013081	Rupam Patir	CSE	21st August 2017		
28	2013088	Sanchit Gupta	CSE	21st August 2017		With Honors
29	2013095	Shivam Thukral	CSE	21st August 2017		
30	2013102	Shweta Rani	CSE	21st August 2017		
31	2013109	Stuti Goel	CSE	21st August 2017		
32	2013112	Tarun Malhotra	CSE	21st August 2017	With Eco Minor	With Honors
33	2013119	Vishal Midha	CSE	21st August 2017		
34	2013120	Vishal. M	CSE	21st August 2017		

List of B.Tech. (ECE) Students Graduating on 21st May 2017

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
1	2013128	Apurba Mondal	ECE	21st May 2017		
2	2013129	Astha Gupta	ECE	21st May 2017		
3	2013130	Avikal Kohli	ECE	21st May 2017		
4	2013132	Diljyot Singh Jaura	ECE	21st May 2017		
5	2013135	Karan Rajput	ECE	21st May 2017		
6	2013146	Parth Shrivastava	ECE	21st May 2017		
7	2013148	Piyush Thakran	ECE	21st May 2017		
8	2013150	Puneet Jain	ECE	21st May 2017		With Honors
9	2013154	Saket Kumar Verma	ECE	21st May 2017		
10	2013158	Shivam Jainer	ECE	21st May 2017		
11	2013162	Simranjeet Singh	ECE	21st May 2017		
12	2013165	Tanay Kabra	ECE	21st May 2017		
13	2013166	Taruvar Aggarwal	ECE	21st May 2017		With Honors
14	2013169	Varun Kumar	ECE	21st May 2017		

List of B.Tech. (ECE) Students Graduating on 21st August 2017

Sl. No.	Roll No	Full Name	B.Tech. Specialization	Graduation Date	Minor in Economics	Honors
1	2013126	Aneesh Kumar	ECE	21st August 2017		
2	2013134	Grishma Sinha	ECE	21st August 2017		
3	2013144	Nischay Malhan	ECE	21st August 2017		
4	2013147	Pavani Tripathi	ECE	21st August 2017		
5	2013151	Robin Singh Ratre	ECE	21st August 2017		
6	2013152	Sabbella Sai Hemanth Reddy	ECE	21st August 2017		
7	2013156	Sanket Jain	ECE	21st August 2017		
8	2013157	Sheel Priya Gautam	ECE	21st August 2017		
9	2013159	Shubham Sinha	ECE	21st August 2017		
10	2013160	Siddhant Sharma	ECE	21st August 2017		
11	2013163	Srajan Bhatnagar	ECE	21st August 2017		
12	2012145	Mimansa Som	ECE	21st August 2017		

List of M.Tech. (CSE) Students Graduating on 21st May 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Ankita Mehta	MT15005	CSE	Data Engineering	Thesis	21st May 2017
2	Anurag Goel	MT15006	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
3	Arushi Baboota	MT15008	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
4	Ashika Gupta	MT15009	CSE	Information Security	SP - 8 Credits	21st May 2017
5	Deepak Kumar Sood	MT15013	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
6	Harbeer Singh	MT15017	CSE	CSE-General (no specialization)	SP - 4 Credits	21st May 2017
7	Kapish Malik	MT15026	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
8	Karishma Tirthani	MT15027	CSE	Data Engineering	SP - 8 Credits	21st May 2017
9	Lalit Dudheria	MT15028	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
10	Maurya Kavita Dinesh Damyanti	MT15032	CSE	Data Engineering	SP - 8 Credits	21st May 2017
11	Meetika Anand	MT15033	CSE	Data Engineering	SP - 4 Credits	21st May 2017
12	Nancy Agrawal	MT15037	CSE	Mobile Computing	SP - 8 Credits	21st May 2017
13	Naveen Kumar Patidar	MT15038	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
14	Neeti Arora	MT15039	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017

S.No.	Name	Roll No.	Program	Specialization	SP / Thesis	Date
15	Nitish Kumar	MT15041	CSE	Data Engineering	SP - 8 Credits	21st May 2017
16	Priyavanshi Pathania	MT15048	CSE	Data Engineering	SP - 8 Credits	21st May 2017
17	Ramandeep Singh Trehan	MT15052	CSE	CSE-General (no specialization)	SP - 8 Credits	21st May 2017
18	Samarth Sikand	MT15058	CSE	Data Engineering	SP - 8 Credits	21st May 2017
19	Ajit Pratap Singh	MT14033	CSE	Information Security	SP - 8 Credits	21st May 2017
20	Anindya Srivastava	MT14035	CSE	Information Security	SP - 8 Credits	21st May 2017

List of M.Tech. (CSE) Students Graduating on 21st August 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Avni Malhan	MT15012	CSE	Data Engineering	Thesis	21st Aug 2017
2	Garima Chhikara	MT15014	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
3	Gunjan Sharma	MT15015	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
4	Guntakindapalli venkatesulu	MT15016	CSE	CSE-General (no specialization)	Thesis	21st Aug 2017
5	Himani Pande	MT15018	CSE	Mobile Computing	SP - 8 Credits	21st Aug 2017
6	Jyoti Shukla	MT15022	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
7	Kanchanjot Kaur Phokela	MT15023	CSE	Mobile Computing	Thesis	21st Aug 2017
8	Kanupriya Batra	MT15025	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
9	Loveleen Girdhar	MT15029	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
10	madhur rawat	MT15030	CSE	Information Security	Thesis	21st Aug 2017
11	Manisha Sharma	MT15031	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
12	Mohammed Kashif	MT15035	CSE	Data Engineering	Thesis	21st Aug 2017
13	Mohit Mishra	MT15036	CSE	CSE-General (no specialization)	SP - 4 Credits	21st Aug 2017
14	Neha Rani	MT15040	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
15	Pardeep Kaur	MT15043	CSE	CSE-General (no specialization)	SP - 4 Credits	21st Aug 2017
16	Prerna Agarwal	MT15045	CSE	Data Engineering	Thesis	21st Aug 2017
17	Priyanka Gupta	MT15047	CSE	Data Engineering	Thesis	21st Aug 2017
18	Rajat Bahuguna	MT15049	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
19	Rajdeep Mukherjee	MT15051	CSE	Information Security	Thesis	21st Aug 2017

20	Richa Gupta	MT15053	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
21	Richa Verma	MT15054	CSE	Data Engineering	Thesis	21st Aug 2017
22	Sagar Khatri	MT15055	CSE	Data Engineering	Thesis	21st Aug 2017
23	Srishti Chandok	MT15061	CSE	Information Security	Thesis	21st Aug 2017
24	Sumit	MT15062	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
25	Vijayita Gumber	MT15063	CSE	CSE-General (no specialization)	SP - 8 Credits	21st Aug 2017
26	Abhishek Mitra	MT14047	CSE	CSE-General (no specialization)	Thesis	21st Aug 2017

List of M.Tech. (ECE) Students Graduating on 21st May 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Andrew Gigie	MT15086	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
2	Divya Jain	MT15094	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
3	Jivani Paritosh Ashwinkumar	MT15103	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
4	Pooja Choudhary	MT15104	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
5	Rajendra Prasad Nayak	MT15106	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
6	Sheenam Bansal	MT15110	ECE	Communication & Signal Processing	SP - 8 Credits	21st May 2017
7	Vivek Tyagi	MT15118	ECE	VLSI & Embedded Systems	Thesis	21st May 2017
8	Yatharth	MT15119	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st May 2017
9	Naushad Ansari	PhD1322	ECE	Communication & Signal Processing	Thesis	21st May 2017

List of M.Tech. (ECE) Students Graduating on 21st August 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Aartika sethi	MT15082	ECE	ECE-General (No specialization)	SP - 8 Credits	21st Aug 2017
2	Ankita Agarwal	MT15088	ECE	Communication & Signal Processing	Thesis	21st Aug 2017
3	Ankush Singh	MT15089	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
4	Chayan Pathak	MT15091	ECE	VLSI & Embedded Systems	SP - 8 Credits	21st Aug 2017

5	Deeksha Nautiyal	MT15092	ECE	Communication & Signal Processing	SP - 8 Credits	21st Aug 2017
6	Himani Jawa	MT15098	ECE	ECE-General (No specialization)	SP - 8 Credits	21st Aug 2017
7	Himani Joshi	MT15099	ECE	ECE-General (No specialization)	SP - 8 Credits	21st Aug 2017
8	Kunwar Tarun	MT15100	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
9	Oza Poojankumar Bharatbhai	MT15105	ECE	Communication & Signal Processing	SP - 8 Credits	21st Aug 2017
10	Rimjhim Khandelwal	MT15107	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
11	Sakshi Garg	MT15108	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
12	Sasha Garg	MT15109	ECE	Communication & Signal Processing	Thesis	21st Aug 2017
13	Shivam Kalla	MT15112	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
14	Shrestha Bansal	MT15113	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017
15	Surbhi Maheshwari	MT15114	ECE	Communication & Signal Processing	Thesis	21st Aug 2017
16	Vipra Shukla	MT15116	ECE	ECE-General (No specialization)	Thesis	21st Aug 2017
17	Rahul Gupta	MT14095	ECE	VLSI & Embedded Systems	Thesis	21st Aug 2017

List of M.Tech. (CB) Students Graduating on 21st May 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Dicksha Chohan	MT15127	CB	CB	Thesis	21st May 2017

List of M.Tech. (CB) Students Graduating on 21st August 2017

S.No.	Name	Roll No.	M.Tech Program	Graduating with which specialization	Completing with Thesis / SP	Graduation Date
1	Prateek Singh	MT15124	CB	CB	Thesis	21st Aug 2017
2	Mehak Sablok	MT15129	CB	CB	Thesis	21st Aug 2017
3	Richa Rashmi	MT15131	CB	CB	Thesis	21st Aug 2017

List of PhD (CSE) Students Graduating on 21st August 2017

S.No	Roll No	Name	Advisor Name	Defense Date	Degree Date
1	PhD1302	Swati Agrawal	Dr Ashish Sureka, Dr Vikram Goyal	22.06.2017	21.08.2017
2	MT10012	Niharika	Dr Ponnurangam Kumaraguru	27.06.2017	21.08.2017

S.No	Roll No	Name	Advisor Name	Defense Date	Degree Date
		Sachdeva			
3	PhD1102	Ayushi Rastogi	Dr Pankaj Jalote, Dr Nachiappan Nagappan	02.08.2017	21.08.2017
4	PhD1003	Anush Sankaran	Dr Mayank Vatsa, Dr Richa Singh	10.08.2017	21.08.2017
5	PhD1004	Damodaram Kamma	Dr Pankaj Jalote	18.08.2017	21.08.2017

List of PhD (ECE) Students Graduating on 21st May 2017

S.No	Roll No	Name	Advisor Name	Defense Date	Degree Date
1	PhD1326	Anuprriya Gogna (ECE)	Dr Angshul Majumdar	26.04.2017	21.05.2017

List of PhD (ECE) Students Graduating on 21st August 2017

S.No	Roll No	Name	Advisor Name	Defense Date	Degree Date
1	PhD1224	Hemanta Kumar Mondal (ECE)	Dr Sujay Deb	14.08.2017	21.08.2017

Dean Academics List

List of B.Tech Students			
S.No.	**Roll No**	**Name**	**Course**
Students whose average SGPA for AY 2016-17 is more than 9			
1	2015026	Dhruva Sahrawat	Computer Science and Engineering
2	2015028	Divyanshu Talwar	Computer Science and Engineering
3	2015032	Gunkirat Kaur	Computer Science and Engineering
4	2015050	Lamha Goel	Computer Science and Engineering
5	2015076	Rishabh Garg	Computer Science and Engineering
6	2015082	Saksham Suri	Computer Science and Engineering
7	2015091	Shashwat Chaudhary	Computer Science and Engineering
8	2015101	Siddharth Sundar	Computer Science and Engineering
9	2015107	Tushar Arora	Computer Science and Engineering
10	2015114	Vedant Nanda	Computer Science and Engineering
11	2015120	Abhinav Khattar	Computer Science and Engineering
12	2015130	Apoorva	Electronics and Communication Engineering
13	2015187	Varshita Gupta	Electronics and Communication Engineering
14	2014001	Aashay Mittal	Computer Science and Engineering
15	2014004	Adesh Pandey	Computer Science and Engineering
16	2014007	Aishwarya Jaiswal	Computer Science and Engineering
17	2014008	Akash A Aggarwal	Computer Science and Engineering
18	2014011	Alind Khare	Computer Science and Engineering
19	2014012	Ambar Pal	Computer Science and Engineering
20	2014036	Deepak Thukral	Computer Science and Engineering
21	2014038	Divam Gupta	Computer Science and Engineering
22	2014053	Kunal Saini	Computer Science and Engineering
23	2014055	Kushagra Mahajan	Computer Science and Engineering
24	2014058	Lakshit Tyagi	Computer Science and Engineering
25	2014062	Mansi Goel	Computer Science and Engineering
26	2014089	Rounaq Jhunjhunu Wala	Computer Science and Engineering
27	2014096	Satyam Kumar	Computer Science and Engineering
28	2014098	Shivam Rustogi	Computer Science and Engineering
29	2014099	Shrey Bagroy	Computer Science and Engineering
30	2014109	Tanya Chowdhury	Computer Science and Engineering
31	2014128	Aditya Dwivedi	Computer Science and Engineering
32	2014131	Akash Deep Singh	Electronics and Communication Engineering
33	2014148	Mohd Shoaib Iqbal	Electronics and Communication Engineering
34	2014163	Sidharth Sharma	Electronics and Communication Engineering
35	2014170	Varun Jain	Computer Science and Engineering
36	2016013	Anubhav Chaudhary	Computer Science and Engineering
37	2016030	Deepak Magesh Srivatsav	Computer Science and Engineering
38	2016047	Kanika Saini	Computer Science and Engineering
39	2016053	Madhur Tandon	Computer Science and Engineering
40	2016057	Mudit Garg	Computer Science and Engineering
41	2016059	Nihesh Anderson K	Computer Science and Engineering

42	2016063	Nilay Sanghvi	Computer Science and Engineering
43	2016066	Piyush Gupta	Computer Science and Engineering
44	2016067	Pragya Prakash	Computer Science and Engineering
45	2016070	Pratyush Kaushal	Computer Science and Engineering
46	2016091	Shivin Dass	Computer Science and Engineering
47	2016093	Shravika Mittal	Computer Science and Engineering
48	2016096	Siddharth Dhawan	Computer Science and Engineering
49	2016102	Suryatej Reddy Vyalla	Computer Science and Engineering
50	2016106	Tanish Gupta	Computer Science and Engineering
51	2016112	Varun Ramanathan	Computer Science and Applied Mathematics
52	2016118	Viresh Gupta	Computer Science and Engineering
53	2016119	Vishaal Udandarao	Computer Science and Engineering
54	2016142	Brihi Joshi	Computer Science and Engineering
55	2016163	Mehak Gupta	Computer Science and Engineering
56	2016204	Taejas Gupta	Computer Science and Engineering
57	2016220	Aditya Singh	Computer Science and Engineering
58	2016259	Raghav Sood	Computer Science and Engineering
59	2016271	Surabhi S Nath	Computer Science and Engineering
60	2016277	Vishal Singh	Computer Science and Engineering
Students whose average SGPA for AY 2016-17 is 2 greater than CGPA at the end of previous year				

1	2015159	Puneet Mohanpuria	Electronics and Communication Engineering
2	2014017	Anisha Sejwal	Computer Science and Engineering
3	2014148	Mohd Shoaib Iqbal	Electronics and Communication Engineering
4	2014163	Sidharth Sharma	Electronics and Communication Engineering

List of M.Tech Students

Students whose average SGPA for AY 2016-17 is more than 9.5

1	MT16085	Ankit Rehani	MTech (ECE)-VLSI & Embedded Systems
2	MT16116	Swati Garg	MTech (ECE)-VLSI & Embedded Systems

Dean of Student Affairs List

S.no.	Roll No.	Name	Area of award
1	2015090	Shaan Chopra	Sports
2	2014072	Palash Bansal	Technical
3	2014037	Dhruv Pargai	Cultural
4	2014006	Agam Singh Bajaj	Leadership and Social Work
5	2014037	Dhruv Pargai	Overall

Dean of IRD List

S.No	Roll No.	Name
1	2014012	Ambar Pal
2	2016013	Anubhav Chaudhary
3	2016118	Viresh Gupta
4	2016093	Shravika Mittal
5	2016142	Birhi Joshi
6	2016204	Taejas Gupta

INDRAPRASTHA INSTITUTE *of*
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Regulations for B.Tech. (CSD) Program

1. Preamble

With internet expanding in all spheres of life, and most industries increasing their web presence and interactivity with their stakeholders and customers, demand for incorporating good design using rich media is increasing in all businesses. With increasing focus on user experience, the importance of Interaction Design and Design Methods is also increasing rapidly in IT products and services.

The B.Tech. in Computer Science (CS) and Design aims to develop graduates that are not only well versed with computing approaches, tools, and technologies, but are also experienced with Design approaches. The program has a small set of core courses in CS and Design, following electives from CS as well as Design. This enables the students to build a program most suitable for them. The program will prepare students to work in the IT industry as well as digital design & media industry like gaming, animation, virtual/augmented reality, user interfaces etc., as well as allow students to take up higher studies in CS or in Design.

This document specifies the specific regulations for the B.Tech. (CSD) program – the general regulations for the B.Tech. program are given in a separate document.

2. Program Objectives:

The program aims to develop capabilities in CS as well as Design. At the end of the program, a student will have:

1. Understanding of foundations, limits, and capabilities of computing.
2. Ability to design and implement efficient software solutions using suitable algorithms, data structures, and other computing techniques.
3. Understanding of design principles and techniques and ability to apply these for developing solutions to human/societal problems.
4. Ability to independently investigate a problem which can be solved by an HCI design process and then design an end-to-end solution to it (i.e., from user need identification to UI design to technical coding and evaluation).
5. Ability to effectively use suitable tools and platforms, as well as enhance them, to develop applications/products using for new media design in areas like animation, gaming, virtual reality, etc.

In addition, the graduate of this program should also have the following general skills that are common with other B.Tech. programs:

6. Ability to function effectively in teams to accomplish a common goal.
7. An understanding of professional and ethical responsibility.
8. Ability to communicate effectively with a wide range of audience.
9. Ability to self-learn and engage in lifelong learning.
10. Ability to undertake small research tasks and projects.
11. Ability to take an idea and develop into a business plan for an entrepreneurial venture (if desired).
12. An understanding of the impact of solutions in an economic, societal, and environmental context.

3.   Program Structure

The B.Tech. program at IIIT-D follows a philosophy of having a small set of core-courses followed by electives, allowing students significant flexibility in designing their curriculum and specialization..

A.   In the first few semesters mostly core courses are done. The structure for first few semesters is:

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
Introduction to Programming	Data structures and Algorithms	Computer Organization	Algorithm Design (B)	Computer Networks
Digital Circuits	Design Drawing 1 & Design Fundamentals 1	Design Drawing II & and Design Fundamentals II	Design Processes, Perspectives & Practices	Design of Interactive systems
Maths I	Probability & Statistics	Advanced Programming	Operating Systems	Design research methods
Systems Management	Introduction to Engineering Design	Human Computer Interaction	DBMS	Technical communication + Environmental Sciences
Communication Skills	[HSS]	[Maths III]	[HSS / Maths IV]	[Elective]

Note: The courses mentioned in [ ] are electives. The semester mentioned for the core courses is indicative and suggested, and they can be done later/earlier also. However, the pre-requisite requirements must be kept in mind by a student, if he/she wishes to do a core course in some other semester.

B.   Rest of the program consists mostly of elective courses and certain number from specified areas (Eg. HSS). An elective course is one which is not compulsory, and a student may have choices

from which to select the courses he/she wants to do. A student has to do certain number of electives from the discipline.

C.   Besides electives courses from domain areas (e.g. health, life sciences, finance, economics, E-Governance, sciences, etc.) may also be offered as open electives.

D.   Other requirements as specified later.

4.   Requirements for Graduation

For a B.Tech. (CSD) degree, a student must satisfy all the following requirements:

1.   Earn a total of 152 credits (equivalent to 38 full courses of 4 credits)
2.   In addition, do 2 credits of Community Work and Self Growth each. These are pass/fail credits, which are required to be completed, but do not count for fulfilling the credit requirement.
3.   Successfully complete all the core courses, and either Maths III or Maths IV.
4.   Do at least 12 credits of Humanities and Social Sciences(HSS) Courses,
5.   A student may take "Independent Project" or "Independent Study" or "Undergraduate Research" courses for 1, 2, or 4 credits. No more than 8 of these credits can count towards satisfying the credit requirements of the degree. Only students with satisfactory CGPA (at least 7.5) or with a strong interest in some area (the faculty advisor to determine this) can take these courses.
6.   Do at least 32 credits of discipline electives from (CSE & DES), which should include at least 12 credits of CSE electives and 12 credits of Design electives. BTP/Independent project/Independent study/Undergraduate Research cannot count for this requirement. UGC may approve some other relevant courses in other discipline to be counted as Computer Science/Design electives for this purpose.
7.   A B.Tech. Project (BTP) is compulsory for this program. A BTP, may be of a total of 8 to 12 credits, with no more than 8 credits in a semester
8.   Rest of the credits are considered as "open electives" and the student can choose any courses for these (including discipline electives).

5. Honors Program

The B.Tech. (CSD) program has the Honors option, requirements for which are same as specified in the regulations for the B.Tech. program. Namely;

1.   The student must earn an additional 12 credits (i.e. must complete at least 164 credits).
2.   The student's program must include a B.Tech. Project.
3.   At graduation time, the student must have a CGPA of 8.0 or more.

Appendix: Tentative List of Elective Courses

Computer Science Electives (CSE Electives):

Student will do CS electives from a set of courses which will include courses relevant to this program including relating to images, vision, graphics, multimedia, etc. A tentative list of electives that may be available is:

1. Computer graphics
2. Data visualization
3. Image processing
4. Spatial computing
5. Mobile computing
6. Information retrieval
7. Computer vision
8. Machine learning
9. GPU Computing
10. Multimedia technologies (including authoring tools)
11. Software engineering

Design and Media Electives (DES Electives):
Student will do Design electives from a set of courses which will include courses relevant to this program. In most of these courses, students will also use a platform widely used for that, and build their project on it. They may also develop some add-ons for the platform. A tentative list of courses that may be offered are:

1. Aesthetics and art
2. Usability studies and evaluation
3. Visualization
4. Computer game design and programming
5. Animation principles and design
6. Special effects
7. Virtual worlds / Virtual reality
8. Photography
9. Video editing
10. Sound engineering / production

INDRAPRASTHA INSTITUTE *of*
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Regulations for B.Tech (ITSS) Program

1. Preamble

Universities have traditionally separated the study of science and technology from that of the social sciences and humanities. But today the influence of Science and Technology, particularly IT, over human lives and societies has increased so dramatically, that this division in knowledge can no longer be supported.

Going forward we are likely to see even more convergence of IT with social systems, and the role social sciences will play in technology and business solutions will increase. At the same time, the role IT will play in addressing society's problems, as well as answering the human questions posed by social scientists, will increase. This will lead to an increase in demand for IT experts who are well versed in the social sciences and also of social scientists who understand IT and apply it innovatively to solve problems in their own domain.

This unique B Tech in Information Technology (IT) and Social Sciences (SS), aims to develop IT knowledge and expertise in students, with a strong input from relevant social science disciplines. The program will develop knowledge and capabilities that will allow a student to pursue a career in IT, or further studies in social science or CS/IT and many interdisciplinary programs. As it is a 4 year program, the B Tech (ITSS) will satisfy the requirements of almost all higher studies programs in India as well as overseas. It may be an ideal program for those students who like Social Science but also enjoy Mathematics and Programming or those are not sure if they want to pursue IT as a career or Social Sciences.

2. Program Objectives:

The program aims to develop capabilities in Information Technology as well as Social Science. At the end of the program, a student will have:

1. Understanding of foundations, limits, and capabilities of computing
2. Ability to design and implement efficient software solutions using suitable algorithms, data structures, and other computing techniques.
3. Understanding of foundations of social sciences and articulate the ways in which different social science disciplines (at least two) enhance our understanding of society.
4. Ability to use analytical methods, including data collection and evaluation for understanding issues from different social science perspectives.
5. Ability to synthesize concepts and methods from different social science disciplines and computing and apply these to address issues relating to society.

In addition, the graduate of this program will also have the following general skills that are common with other B.Tech. programs:

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6. Ability to function effectively in teams to accomplish a common goal.
7. An understanding of professional and ethical responsibility.
8. Ability to communicate effectively with a wide range of audiences.
9. Ability to self-learn and engage in life-long learning.
10. Ability to undertake research tasks and projects.
11. Ability to take an idea and develop into a business plan for an entrepreneurial venture.
12. Understanding of the impact of solutions in an economic, societal, and environment context.

3. **Program Structure**

The B.Tech program at IIIT-D follows a philosophy of having a small set of core-courses, allowing students significant flexibility in designing their curriculum and specialization.

In the first few semesters mostly core courses are done. The structure for first few semesters is:

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
Introduction to Programming	Data Structures and Algorithms	Computer Architecture and Operating Systems	Algorithm Design (B)	Computer Networks
Digital Circuits	Microeconomics	Introduction to Psychology	[LACH Elective]	
Math I	Probability & Statistics	Social Science Research Methods	Database Management Systems	
Systems Management	Introduction to Engineering Design	Advanced Programming	[SS Elective]	Technical communication. + Environmental Sciences
Communication Skills	Critical thinking and Readings in Social Sciences	Introduction to Sociology/Anthropology		

Note: The semester mentioned for the core courses is indicative and suggested, and they can be done later/earlier also. However, the pre-requisite requirements must be kept in mind by a student, if he/she wishes to do a core course in some other semester.

B. Rest of the program consists mostly of elective courses. An elective course is one which is not compulsory, and a student may have choices from which to select the courses he/she wants to do.

C. Besides electives and streams for specialized areas, streams and electives from domain areas (e.g. health, life sciences, finance, economics, E-Governance, sciences, etc.) may also be offered as open electives.

D. Other requirements as specified later.

4. Requirements for Graduation

For a B.Tech (ITSS) degree, a student must satisfy all the following requirements:

9. Earn a total of 152 credits (equivalent to 38 full 4 credit courses).
10. In addition, do 2 credits of Community Work and Self Growth each. These are pass/fail credits, which are required to be completed, but do not count for fulfilling the credit requirement.
11. Successfully complete all the core courses and special electives (if specified).
12. Do at least 12 credits from Liberal Arts, Communications, and Humanities group of courses.
13. Do at least 16 credits of Information Technology electives, and at least 16 credits each in at least two Social Sciences Streams. The structure of streams is defined below.
14. Rest of the credits are considered as "open electives" and the student can choose any courses from these.
15. A B.Tech. Project (BTP) is not compulsory for this program. A student opting for BTP, may take a total of 8 to 12 credits of BTP, with no more than 8 credits in a semester
16. A student may take "Independent Project" or "Independent Study" or "Undergraduate Research" courses for 1, 2, or 4 credits. No more than 8 of these credits can count towards satisfying the credit requirements of the degree. Only students with satisfactory CGPA (at least 7.5) or with a strong interest in some area (the faculty advisor to determine this) can take these courses. These and BTP credits do not count towards elective/stream credit requirements and are treated as open electives.

5. Honors Program

The B.Tech (ITSS) program has the Honors option, requirements for which are same as specified in the regulations for the B.Tech program. namely;

4. The student must earn an additional 12 credits (i.e. must complete at least 164 credits).
5. The student's program must include a B.Tech Project.
6. At graduation time, the student must have a CGPA of 8.0 or more.

Appendix: Tentative list of Electives
Tentative list of electives is given below. For Social Sciences, currently three streams are planned – each of them is defined below. Some courses in each stream are compulsory. Remaining courses can be done from other courses offered for that stream. If a course of the stream is included as a core course, it can be counted towards satisfying the credit requirement for the stream. The list of courses in each stream is indicative, and will evolve with time.

Information Technology Electives

The set of possible elective courses for IT stream will be a subset of CSE courses that are regularly offered. These will likely to include courses like HCI, Social Media analytics, Data Mining, Machine learning, Natural Language Processing, etc.

Liberal Arts, Communications, and Humanities Group
- Critical Thinking and Readings in Social Sciences (Compulsory)
- History of Information
- Perspectives on Knowledge
- Law and Ethics
- Social Informatics
- ICT and Social Transformation

Economics Stream (ECO)

- Microeconomics (Compulsory)
- Macroeconomics(Compulsory)
- Game Theory (Compulsory)
- Econometrics I (Compulsory)
- Econometrics II
- Market Design
- Industrial Organization

Sociology/Anthropology Stream (SOC)

- Introduction to Sociology/Anthropology (Compulsory)
- Contemporary India: Sociological perspectives (Compulsory)
- Information Technology and Society (Compulsory)
- Urban Sociology
- Sociology of New Media

Psychology Stream (PSY)

- Introduction to Psychology (Compulsory)
- Cognitive Psychology (Compulsory)
- Social psychology (Compulsory)
- Organizational Psychology
- Cultural psychology
- Positive Psychology
- Media Psychology

Note:

- The scheduling of courses in semesters, as well as the list of elective courses is illustrative and will change with time.

Branch Change Rules for B.Tech (CSE,ECE,CSAM,CSD,ITSS)

Transfer of B.Tech. students from one program to the other is possible only after the grades of the first semester are out. This is the only time branch change will occur. A student must make an explicit request to be considered for program transfer. In his/her request, the student can mention more than one program in the order of preference. Rules for program transfer are:

1. Only the students who satisfy eligibility for a particular branch at the time of admission are eligible for transfer to that branch.

2. Students admitted through AICTE need to produce NOC from AICTE if applying for transfer to another program.

3. Students must have passed all credits specified for the first semester of the B.Tech. program.

4. To be eligible for transfer to Computer Science and Engineering (CSE) program, a student must have received a B or better grade in both CSE courses of the first year, namely, Introduction to Programming, and System Management

5. To be eligible for transfer to Electronics and Communication Engineering (ECE) program, a student must have received a B or better grade in both Digital Circuits and Maths I.

6. To be eligible for transfer to Computer Science and Applied Mathematics (CSAM) or Computer Science and Design (CSD) program or Information Technology and Social Sciences (ITSS)program , a student must have received a B or better grade in Introduction to Programing and Math I

7. The students eligible for program transfer will be ordered in a priority list based on CGPA, and will be granted transfer in order as long as the strength of each program does not violate the following limits.

8. The base strength of a program for a batch will be the number of students who were admitted and who are still enrolled in the program as on Dec 15 (after Sem 1) after completion of one semester, not counting those who were repeating the first year. (E.g. Suppose 110 students were admitted in a batch (and there were 8 repeaters.) If 6 of the admitted students dropped out before Dec 15, then the base strength will be 110-6=104) The final strength of any program shall not reduce by more than 10% of its base strength. Also, the final strength of any program shall not increase by more than 10% of its base strength.

9. Repeaters who are repeating fist year are allowed to do so under the above mentioned rules

Minimizing Cheating in Exams and other Assessments

It seems use of unfair means (cheating) is increasing among students. This is detrimental to their learning and development of values, as well as hurts the efforts put in by faculty and Institute toward the education of students. To minimize cheating, 1) there needs to be a consistent approach to handling cheating in exams and other components of course assessments across courses, 2) there needs to be better defined and stricter rules for punishment of students who indulge in such practices, and 3) there should be easier methods to implement those (so instructors are not burdened with extra work.) This note proposes a refinement of the policy and improved implementation of it.

Refinement of Policy

Our current policy on cheating in assignments is that first cheating leads to zero in the assignment and one grade less in the course and second cheating leads to F in the course. For examinations, first cheating results in F in the course and/or report to DAC for stricter punishment if violation is serious. These policies are hereby refined. Please note that incidents of misconduct are now compiled for the ***entire stay of the student in IIIT-Delhi***.

The refined policies are:

	Misconduct/use of unfair means in assignments/projects	Penalty
1.	First misconduct/use of unfair means during the entire stay in IIIT-Delhi	Zero in the assignment (awarded by faculty) + one letter grade less in the course.
2.	Second misconduct/use of unfair means during entire stay in IIIT-Delhi	Student is assigned an F grade in the course.
3.	Third or further misconduct/use of unfair means during the entire stay in IIIT-Delhi	Student is assigned an F grade in the course and the case is reported to DAC, who may suspend the student for 1 semester to a year.

	Misconduct/use of unfair means in quiz/midsem/endsem	Penalty
1.	First misconduct/use of unfair means during the entire stay in IIIT-Delhi	Student is assigned an F grade in the course.
2.	Second misconduct/use of unfair means during the entire stay in IIIT-Delhi	Student is assigned an F grade in the course and student may be suspended from the program for 1-2 semesters by DAC.
3.	Third misconduct/use of unfair means during the entire stay in IIIT-Delhi	Student is assigned an F grade in the course and student's program may be terminated by DAC.

Notes:
- More serious offenses like tampering with the answerbook after the exam (e.g. modifying an answer, changing marks, changing the total, etc), impersonating someone else, etc. will be reported to DAC and may result in stricter punishment by DAC, say, expulsion for a semester, year, or more.

- Some types of misconduct/use of unfair means commonly observed are specified below. This list on types of misconduct or on use of unfair means is not exhaustive.
    a. Using material which has not been allowed by the instructor like books, notes, cheat sheets, etc. or writing on body, for the syllabus of the exam, irrespective of whether the student was caught before actually using the material or later, and whether the question in the exam was related to the material.
    b. Exchanging information with other students in the exam hall (or outside, in toilets, for example), whether verbally or by showing the paper, or any other way. (Except in case of exams where groups are to jointly solve the problem.
    c. Using communication devise during the exam duration inside or outside the examination hall for exchanging/getting information with other persons.
- Communication devices like mobile phone are not allowed in any exam. Being in possession of a communication device in an exam, even in off mode, will be treated as an instance of cheating in an assignment, and rules mentioned above will apply.
- All other forms of cheating (e.g. a senior facilitating a junior or a TA helping a student) will be reported to DAC for action and disciplinary action would be taken on facilitator of cheating as well.
- An instructor will report the instances of cheating in an assignment/project/quiz/midsem/endsem or in any other course assessment component to the academic section. The above policies of grade reduction, awarding an F, reporting to DAC will be applied by the academic section.
- A student can appeal a decision to DAC. If a student appeals the decision of an instructor to the DAC or appeals the decision of DAC to Director, he/she must do so in writing. If any false claims are made in the written complaint, it may be treated as the next instance of cheating.
- The student involved in the cheating case is not allowed to fill the course feedback of that particular course.
- In case, at the time when cheating is detected, it comes to the notice that the student did cheating earlier too (but was not caught), the current case will be considered as the second or the third case depending on the number of cheatings detected for other courses too (including those of previous semesters but detected now) and action will be taken accordingly.