

## **REGULATIONS FOR B.TECH. PROGRAMS**

For ORDINANCES details please visit at the following link:

<http://www.iiitd.ac.in/sites/default/files/docs/education/B.Tech.-Ordinances.pdf>

## REGULATIONS FOR B.TECH. PROGRAMS

### 1 General

- (1) This document gives the general regulations applicable to all B.Tech. programs. Specific requirements for a particular B.Tech. program (e.g. B.Tech. in Computer Science and Engineering) are specified in regulations for that program.
- (2) While the Senate is the main statutory body for all academic matters, the Undergraduate Committee (UGC), a standing committee of Senate, shall oversee matters related to the undergraduate programs. This committee shall be appointed by the Senate and shall have a term of two years. It will consist of Faculty members and members of the Senate. In addition, there will be at least one student representative, who will be a full time UG student of the Institute.
- (3) Any condition arising in the B.Tech. program and not covered in the regulations shall be referred to the UG committee which may refer it to the Senate.
- (4) Dean of Academic Affairs (DOAA) is the main functionary who ensures the smooth functioning of the academic programs as approved by the academic Senate, executes the policies and decisions of the Senate and UGC and PGC. DOAA's office receives, processes and maintains all records relating to the undergraduate programs including curricula, courses offered, academic calendar, registration, leave, examinations, grades and award of degrees and prizes; disseminates information and issues orders pertaining to all academic matters; processes requests from students regarding academic matters.

### 2 Academic Session and Calendar

- There are two regular semesters and one summer term in a year. Most courses are taught in the regular semesters. The semester timeline shall be defined in the academic calendar and will be broadly the following.
  - a) **Semester I (Monsoon Semester).** Starts around August 1 and ends around the last week of November.
  - b) **Semester II (Winter Semester).** Starts around January 2 and ends around the last week of April.
  - c) **Summer Term.** Starts around the middle of May and ends around the middle of July.
- A semester is of about four months in duration with 13 weeks of teaching, a mid-semester recess, a mid-semester examination, and an end-semester examination. Generally the last 10 days in the semester are reserved for the end-semester

examination, presentations, demos, etc. The summer term is about half the duration of the regular semesters, and the courses taught run at a faster pace to complete in duration of the summer term.

- The **academic calendar**, published every year/semester, specifies the dates for major academic activities like registration, examinations, mid-semester recess, etc., will be prepared and published by DOAA, and tabled in the Senate.

### 3 Admission

- Number of Seats

The total number of seats will be as decided by the Board of Governors and will be announced every year in the admission prospectus. No change in the total number of seats will be done after the merit list for admission has been announced. The Board may also decide to have a special supernumerary quota for foreign students.

- Admission Criteria

Admission to the undergraduate program at IIT-Delhi is based on criteria which use scores from entrance test(s), class XII, and other competitions. Details about the admission criteria and entrance test(s) whose scores are to be used, are announced through the admission prospectus each year. The minimum eligibility criteria for applying is that a candidate must have secured 80 percent or more marks in the aggregate and 80% or more in Mathematics in class XII from CBSE/ICSE/IB board or equivalent is eligible for applying to IIT-Delhi. Relaxation is given for category students, as specified in the prospectus. Additional requirements for minimum eligibility for specific programs are also as specified in the prospectus. Candidates whose program had been terminated at any other university/institute on disciplinary grounds are not eligible for admission at IIT-Delhi.

- Reservations

The current reservation policy (decided by the Board of Governors) of the Institute largely reflects the policy of Delhi Government. Currently, 85% of the seats are reserved for Delhi candidates (i.e. those who have completed class XII from a school/college/institute located in Delhi), and 15% for outside Delhi candidates. Category-wise reservation is provided within these limits, as explained in the prospectus for each year.

- Offer of Admission

- (1) During counseling, based on the merit list, a candidate will be invited to join the institute. A candidate will be admitted if he/she

- a) presents all original documents for verification of the information provided in the admission form
- b) pays the required fee, and
- c) completes the admission formalities.

(2) Those candidates unable to show the proof of fulfilling the eligibility criteria may be given a provisional admission subject to their presenting such a proof by the following September 30<sup>th</sup>.

- Cancellation of Admission

(1) The admission of a candidate to the undergraduate program may be cancelled if any material information provided is found to be incorrect, he/she does not pay the fee by the given date, or does not report on the announced day for registration. The Institute reserves the right to extend the date of reporting and date of depositing fee if a case is found to be genuine.

(2) The admission of a student may be cancelled by the Senate even at a later date if it is found that the student had supplied some false information or suppressed any relevant information while seeking admission.

- Foreign Students

Some seats may be reserved for foreign students. These are usually supernumerary, and admission for such seats is handled separately. The number of seats and the process for application and admission are described in each year's prospectus.

- Non-degree Students

A non-degree student is a student registered for a degree in a recognized university/ institute in India or abroad and who is officially sponsored by that Institute/university to complete part of the academic requirements at IIT-Delhi. Such students may do courses or projects in IIT-Delhi, and will be given transcripts for the academic work carried out at IIT-Delhi. During their stay at IIT-Delhi, such students will also be governed by all academic and disciplinary rules of IIT-Delhi. Credits earned by a non-degree student at IIT-Delhi cannot be applied towards any degree/diploma offered by IIT-Delhi at any time. The admission to non-degree status is decided on a case to case basis. The applications are received by the DOAA.

## 4 Courses and Credits

- (1) Every semester the Institute offers some courses, taught by faculty appointed by it.
- (2) A course may be of 4, 2, or 1 credit. A registered student who passes a course earns the credits assigned for that course.
  - a) **A 4-credit course.** The course will have 3 hours of lectures per week, with a total of about 39 hours of lectures (13 weeks). In addition, one hour of interaction per week is expected, which may be in form of structured tutorials. There may also be labs in the course.
  - b) **A 2-credit course.** The course will have 1.5 hours of lectures per week for the whole semester, or 3 hours of lectures per week for half the semester. The total lectures hours will be about 20. Intensive short-term courses of 2 credits are also possible, though it is expected that the duration of such a course will be no less than 3 weeks. A 2-credit course may or may not have tutorials and labs.
  - c) **A 1-credit course.** The course is likely to be run as a short course on a very specialized topic. Such courses may also be run during vacations. A 1-credit course will have a total of about 10 hours of lecture over a period of, generally, not less than 2 weeks.
  - d) Certain courses such as Self–Growth (SG), Community Work (CW), may be taken for varying number of credits on case to case basis.
- (3) While taking courses in the Institute is the primary means for a student to earn credits, there may be other approved provisions for earning credit through projects, studying in other Institutions and transferring credits, etc. Such provisions will be provided in these or other regulations.
- (4) Online Courses

IIIT-Delhi has evolved a system for allowing students to take online courses. Students can take advantage of the increasing amount of such courses made available by reputed universities across the world to complement the courses offered in the institute.

1. A B.Tech. student is allowed to register for online courses (OC) as regular courses (and not in the category of Independent Project (IP)/Independent Study (IS)/Undergraduate Research (UR)/B.Tech. Project (BTP)).
2. The limit “one course in a semester” for OC means that “no more than 4 credits of OC can be taken in a semester”.
3. A student can take upto 8 credits of Online Courses in his B.Tech. degree.

## **5 Registration**

- (1) At the beginning of each semester, a student shall register for the courses he/she wishes to take in that semester. A student shall normally be allowed to register for a course only if he/she has passed all the necessary pre-requisites for that course.
- (2) Registration is compulsory for all students who are not on leave of absence, and is the sole responsibility of the student and must be completed before the last date of registration. Failure to register may lead to termination of the student for that semester.

### **5.1 Registration Procedure**

(1) Registration will generally be done just before the start of classes in a semester. Pre-registration for a semester can be done toward the end of the previous semester. Students will be informed about these dates and other details every semester.

(2) Registration process has two parts: academic and administrative, and both of these must be completed in order to complete the registration process. Academic registration includes specifying the courses that the student wishes to do in the semester and getting the necessary approvals. Students can seek advice from Advisors nominated for the purpose by the DOAA. Administrative part includes paying all dues to the Institute.

### **5.2 Late Registration**

Late registration is permitted as per academic calendar on the payment of late registration fee. The late fee may be waived if the delay is due to an academic activity undertaken with prior permission. The number of days missed due to late arrival shall be treated as leave of absence. A fee for late academic registration may be imposed.

### **5.3 Pre-registration of Courses**

Pre-registration is necessary part of the academic registration for non-first semester students. In case a student fails to do pre-registration of courses, a penalty may be imposed if the student does not register his/her preference within the stipulated period.

### **5.4 Adding or Dropping of Courses**

A student can change the courses that he/she does in a semester by adding and dropping courses till the last date for add/drop as specified in the academic calendar. In addition, a student can withdraw from at most one elective course up to the last date specified in the academic calendar, which will normally be after the mid-semester examination. During the summer term, a student may be permitted to drop one course by the late drop date.

### **5.5 Registration of Students with Backlog Course(s)**

A student has a backlog if he/she has not taken or has taken but failed in course(s) of previous semester(s). The registration of such a student must be approved by the DOAA who will advise the student. Generally, the student should register in a manner that he/she can clear as many backlog courses as are available.

### **5.6 Cancellation of registration**

A student is solely responsible to ensure that all conditions for proper registration are satisfied, and there are no timetable clashes. The registration may be cancelled by the DOAA for a course if any irregularity is found at a later stage. A student's registration for the semester may be cancelled as part of disciplinary action. Leave beyond permissible limits may also result in cancellation of registration for a semester.

### **5.7 Summer term registration**

Registering in the summer term is optional. A student may register for up to 6 credits of courses that are offered during the summer term (inclusive of SG/CW credits). Out of these 6 credits, for students who have completed the 2<sup>nd</sup> year of their B.Tech. program, may be allowed to take up to 4 credits for IP/IS/UR/BTP. An exception may be made for the students of the graduating batch, who may be allowed to take up to 8 credits. The registration shall be done just before the start of the term. There will not be any late registration in the summer term and a student shall not be allowed to add a course after registration.

### **5.8 Academic Load**

In general, students will take courses as per the program. Normal load for the first and second year students is 16-20 credits and for the third and fourth year students is 16-22 credits.

When a student registers for more credits than the stipulated normal load, it is called the overload. First year students cannot take any overload. Second year students having a CGPA of more than 8.0 can take an overload of up to 2 additional credits over 20 credits. Third and fourth year students having a CGPA of more than 8.0 can take an overload of up to 2 additional credits over 22 credits.

When the student registers for less than 16 credits in a semester, it is called the underload. A student may be allowed, with permission of the DOAA an underload of a maximum of 4 credits below 16 credits.

Students under academic warning may not be permitted any overload. Such students may be advised by DOAA to take an underload.

Students can avail underload below 12 credits (as low as 4 credits) only in one semester during their entire B.Tech. program. For this, prior permission is required to be taken

before the last date of add/drop of that particular semester. Students wanting to avail internship (industrial, academic, research, etc.) without taking semester leave can do so with prior approval of the DOAA in only one semester of their degree program. Such request needs to be placed at least two days before the last date of add/drop. Students approved for such internship are required to register for 4 credits of only IP/IS/UR/BTP/OC courses in this semester. Students will not be allowed to do any in-class course during the internship period. Further, the underload of as low as 4 credits can be availed by ECE, CSAM and CSSS students in any semester of the 3<sup>rd</sup> and 4<sup>th</sup> year, while CSE, CSD and CSB students can do so only in the 8<sup>th</sup> Semester.

## **6 Teaching and Evaluation**

### **6.1 Teaching**

Each course is conducted by the Instructor-in-charge with the assistance of tutors and/or teaching assistants. The Instructor-in-charge is responsible for conducting the lectures, tutorials, and labs, holding the tests and examinations, evaluating the performance of the students, awarding grades at the end of the semester/summer term, and transmitting the grades to the DOAA's office within the prescribed time limit.

### **6.2 Continuous Evaluation System**

- (1) The Institute follows a system of continuous evaluation, in which, during a course, various instruments like tests, exams, assignments, projects, etc., are given by the instructor to assess the learning of students and assign grades. All evaluations are the responsibility of the instructor in-charge of the course. The two main exams – the mid-semester exam and the end-semester exam – shall normally be scheduled as per the academic calendar while the schedule of the rest will be decided by the Instructor. For 1 or 2 credit courses, the Instructor will decide the evaluation criteria and the schedule of tests and exams.
- (2) **Make-up Exam:** If a student, for valid reasons such as illness, etc., fails to appear in the end-semester examination in one or more course(s), he/she may make a request to the instructor and the academic office for a make-up examination within two days of the date of the scheduled examination. Such a request must, however, be supported by proper documentary evidence for justifying the request. For medical reasons, only two medical applications including mid-semester and end-semester would be accepted for make-up examinations during the entire duration of the B.Tech. degree completion. Further, for the grant of medical leave, students are required to upload the medical certificate within five working days from the date of the missed examination. The Institute reserves the right to get the medical certificate verified from the Institute Doctor. Finally, the request for make-up examination will be approved by the DOAA.

### 6.3 Grading Scheme

- (1) One of the letter grades given in the following table shall be awarded to a student reflecting his/her overall performance in a course. Each letter grade carries certain points as given in the table, and these points are used in the computation of the SGPA/CGPA as explained later.

Letter Grade	Grade Points	Remarks
A+ (Outstanding)	10	Letter grades A+ to F and I are given only in the regular courses. This grading scheme is effectively A to F. A+ grade is only to recognize excellent performers in a course, though it has the same grade points as an A grade.
A (Very Good)	10	
A(-)	9	
B (Good)	8	
B(-)	7	
C (Satisfactory)	6	
C(-)	5	
D (Marginal)	4	F Grade is not counted in the calculation of CGPA, however, it is counted in the calculation of SGPA.
F (Fail)	2	
I (Incomplete)	Nil	Incomplete (I grade) must be converted to one of the letter grades (A to F) as per the academic calendar
W(Withdrawn)	Nil	“W” grade shall be printed in the transcript of the students who do ‘Late Drop’
S (Satisfactory)	Nil	S and X are grades for only certain kinds of courses like Audit course. They are not incorporated in SGPA/CGPA calculation.
X (Unsatisfactory)	Nil	

- (2) In the academic courses, the final grades awarded are A to F (A+ is a grade with same points as A, and is there to honor excellence).
- (3) An I (Incomplete) grade may be awarded in cases when all the requirements for a course are not met by the student at the time of submission of grades and it essentially reflects as an “incomplete” status in the Evaluation Resource Planning (ERP) system. For all courses including project-based courses, this grade must be converted to a regular grade within one month of the end of the current term (i.e., the moderation date). For courses other than project / independent study, incomplete grade “I” is meant primarily for medical reasons. All unconverted “I” grades are automatically converted to F grade after the grade conversion deadline, which is one month after the moderation date.
- (4) In certain courses, such as Online Courses (OC, Self-Growth (SG and Community Work (CW courses, only S or X grade is awarded.
- (5) The F and X grades are “fail” grades and the student shall be required to repeat the course. If the course is a compulsory course, the student shall repeat the same course in

another semester/summer when the course is offered. In the case of an elective/optional course, the student can replace the course by another elective course.

- (6) For at most one compulsory (core) course, after getting an F twice in the course, a student may be allowed to replace it by an elective course of the respective discipline with the prior approval from DOAA.
- (7) An F and X grade obtained in any course shall be reflected in the grade sheet. However, when the course is replaced or repeated, the new grade will be used for computation of the CGPA. The pass grade for the respective course will count towards the SGPA of the semester in which the course is passed and not in the semester where 'F' grade was awarded. 'F' grade shall not be counted in the calculation of CGPA, although it is counted in the calculation of SGPA.

#### **6.4 Change of Grade Already Awarded**

As mentioned in Ordinances, a letter grade, once awarded, shall not be changed unless the request is made by the Instructor-in-Charge of the course and is approved by the Chairman, Senate. Any such request for change of grade must, however, be made within four weeks of the start of the next semester with all relevant records and justification.

#### **6.5 (i) Grade Improvement**

For some important core courses, refresher modules may be offered during vacations for students' benefit. Students having C- or a lower grade earlier in the course, may be allowed to enroll in these courses. Based on their performance in the refresher module, their grade may be improved by at most one letter grade (i.e. improvement from F to D, D to C, and C- to B-). Decision regarding whether these modules are to be offered during vacation and whether they may be used for grade enhancement will be taken every year. As with a grade change, this grade improvement will be approved and authorized by Chairman, Senate.

#### **(ii) UG students to repeat (Improvement) of a particular course**

Repeat of a course completed with pass grade may be allowed, but only the best Grade in that course will be counted for CGPA computation. Also, all attempts in that course will be recorded in the respective semesters' transcripts and the repeat course will not be permitted for late drop after mid-semester examination. For repeating a course, a student has to simply register on ERP during the course registration period.

## 6.6 Performance Indicators

- (1) The semester performance is indicated by a Semester Grade Point Average (SGPA) which is a weighted sum of all the points earned in the courses done in a semester. The SGPA is given for each semester and is computed using the following formula.

$$\text{SGPA} = (u_1.w_1 + u_2.w_2 + \dots + u_n.w_n) / (u_1 + u_2 + \dots + u_n)$$

where  $u_i$  is the number of credits for the course  $i$  and  $w_i$  is the points earned through the letter grade in that course, and  $n$  is the number of courses taken in the semester. While doing the computation of SGPA, the course/thesis credits with grades S and X are ignored.

- (2) The overall performance is indicated by a Cumulative Grade Point Average (CGPA) which is computed in the same manner as the computation of SGPA but for all the courses done in the program.

‘F’ grade shall not be counted in the calculation of CGPA, however, it is counted in the calculation of SGPA.

- (3) The grades in courses will be announced over ERP at the end of every semester. A grade report for the semester may be issued to a student after the semester upon request. The grade report may be withheld if the student has not paid the fees or other dues, has a disciplinary case pending against him/her, has not completed other formalities, or for any other pertinent reason.

## 6.7 Transfer of Credits

Students may be permitted to do academic work and courses in places of repute outside IIT-Delhi and may be allowed to spend up to 2 semesters at another University. The maximum credit transfer allowed is 40 credits over the entire B.Tech. program (with a maximum of 20 credits in a semester). Based on their performance/quantum of work done and the contents of the course/work, some credits may be transferred for similar courses/projects. Institutions with which IIT-Delhi has arrangements/MOU/student exchange programs, transfer of credits may also be permitted. This transfer of credits will be approved on a case-by-case basis by the DOAA and will be reported to the Senate.

## 6.8 B.Tech. students are allowed to do “extra credits” beyond 156 credits

- B.Tech. students are allowed to do “extra credits” beyond 156 credits required for completion of B.Tech. requirement. For N extra credits done, the student will be allowed worst grades in N credits, with a maximum limit of at most 8 credits, to be not counted towards CGPA computation. The impact of this decision will be reviewed after two batches have graduated with this option. Following method will be used for calculating the CGPA:

**Method:** The below method will automatically decide which extra credits will not be counted in CGPA:

- For CGPA computation at the end of 6th semester, baseline credits will be 116 (equal to 29 full courses including OC but excluding SG & CW). If a student has done N credits more than 116, then for CGPA computation the following will be done:

- The worst grades in courses totaling M credits will be "removed", where  $M = \min\{8, N\}$ .

- CGPA will be computed based on the remaining credits. It is to be noted that since OC's are with S/X Grades, although they will be included in baseline 116 credits, they will not be counted in CGPA. For example, if a student has done 120 credits including OC of 4 credits, CGPA will be computed from best grades corresponding to 112 credits.

- For CGPA computation at the end of 7th semester, baseline credits will be 136 (including OC but excluding SG & CW).

- CGPA computation for Honors students at the end of 8<sup>th</sup> semester will be done similar to a non-Honors student, i.e., he will be allowed to not-count worst grades of courses up to 8 credits. For example, if a student has done 164 credits (excluding SG/CW credits) including OC of 4 credits, CGPA will be computed from best grades corresponding to 152 credits.

#### **General Rules:**

- SGPA computation will remain the same for each semester.
- CGPA computation will remain the same for first 5 semesters, even if a student has done "extra credits."

**6.9** B.Tech. student, who has already completed his/her graduation requirement (including registration for a minimum of 8 semesters on campus), will be allowed to register for at most two extra courses to improve his/her CGPA. Registration after completion of 156 credits, required for graduation, will be allowed in only one extra semester. Further, registration of extra credits will be permitted provided he/she pays fees for that extra semester. Moreover, such students will not be considered for any award/medal.

## **7 Continuing in the Program**

For continuing in the undergraduate program, the student has to show satisfactory academic performance as may be defined by the Senate from time to time. If the academic performance falls short, a student may be asked to repeat the first year, placed under warning, or his/her program may be terminated.

## **7.1 Rules for the first year (excluding the summer term scheduled after the first year)**

- (1) A student will be put on probation at the end of the first semester, if he/she passes 2 or less technical courses (courses other than Communication Skills) in the first semester. For details about department wise technical and non-technical courses of first year, refer program-wise regulations.
- (2) If a student passes 3 or less technical courses in the entire first year provided he/she did not take semester leave in any of the two semester, his/her program will be terminated.

If a student passes 3 or less technical courses in the entire first year and was on leave in either of the two semesters, he will have to repeat the first year, i.e., he/she has to do first semester in the next academic year and will not be allowed to continue with the third semester.

- (3) If a student passes 4 or 5 technical courses in the entire first year, he/she will have to repeat the year. Further, if a student passes 3 or less technical courses in the first semester, he/she will be allowed to take semester leave in the Semester 2 or can continue in Semester 2. However, in both the cases, he has to follow rule 2 mentioned above.
- (4) If a student repeating the first year fails in more than 1 technical courses in either semester of the repeat year, his/her program will be terminated.
- (5) A student repeating the first year may be allowed transfer of credits only for the non-technical courses that he/she had passed in his/her previous attempt.

Regular rules for backlog will apply for any courses he/she may have failed.

## **7.2 Academic Warning/Probation**

A student shall be placed under academic warning/probation on the grounds of inadequate academic performance for one (subsequent) semester

- (1) If he/she fails in any course in a semester
- (2) If he/she gets an SGPA of 4.5 or less in a semester, or has a CGPA of 4.5 or less at the end of the semester.

The following will apply to a student who is placed on a warning (academic as well as warning due to disciplinary reasons):

- (1) The student will not be allowed to hold any elected or nominated post for any institute body including the hostel management, students' activities, and student council.
- (2) The student will not be allowed to participate in any event outside the Institute as member of the Institute team.
- (3) No academic overload shall be permitted to such students.
- (4) The students may be required by the DOAA to take an underload.
- (5) The student will be required to sign an undertaking to agree and follow all stipulated conditions of warning. All such undertakings shall be countersigned by the parent/guardian of the student.

### **7.3 Attendance and Leave of Absence**

- (1) A student is expected to attend all classes. For any absence of more than two days, the student should apply for and take a leave of absence. Penalty for students' whose attendance falls below a threshold will be as decided by Senate from time to time, and communicated to students.
- (2) A student may be allowed to take semester leave, with permission before the last date of add/drop, for any valid reason, as determined by UGC, including but not limited to ill health, internships, entrepreneurship, family requirements, etc. No semester leave will be granted after the last date of add/drop other than for the critical reasons such as ill health (In such cases, no fee refund is admissible if the student has registered for the semester which is converted to the semester leave later.) A student shall not be permitted more than four semester leaves in the entire program. Any circumstance leading to more than four semester leave/drop may result in the automatic termination of the program. This implies that a student has to necessarily be registered and physically be present on campus for 8 semesters during his/her degree program.
- (3) If a student is absent from the Institute for more than 20 days in a semester due to medical or any other reason, this may be converted to a semester leave for that semester by DOAA. However, if a student represents IIT-Delhi in some event, with prior permission of Dean of Students Affairs, absence due to this participation will not be counted.

### **7.4 Appeals**

A student, whose program has been terminated, may appeal against the decision. All such appeals shall be made to the Senate within two weeks, and the decision of the Academic Senate shall be final. Other academics related appeals may be made to UGC.

## 7.5 Branch Transfer

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 within a week from the date of announcement of results of the first semester. 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), Computer Science and Applied Mathematics (CSAM) or Computer Science and Design (CSD) program or Computer Science and Social Sciences (CSSS) program or Computer Science and Biosciences (CSB) program, a student must have received a B or better grade in Introduction to Programming (IP) and Mathematics-I.
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 Mathematics-I.

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.

6. 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.
  - Repeaters who are repeating first year are also allowed branch transfer under the above-mentioned rules.
  - In case of a tie in CGPA of students, below tie breaking rules will be followed for deciding transfer from one branch to another

**Tie Breaking Rule I** - For transfer to CSE, CSAM, CSD, CSSS and CSB branches, higher grade in the order of Introduction to Programming, Maths-I, System Management, Digital Circuits, Communication Skills

**Tie Breaking Rule II** -Higher JEE Rank

## **7.6 Migration to Dual Degree Program**

A B.Tech. student can opt to migrate to dual degree program of the institute immediately after the declaration of Semester 6 Results. A student once selected for Dual Degree may opt out from migration before the add/drop date of his/her 7<sup>th</sup> semester in the B.Tech. program provided he/she has not availed the Placement Service. Eligibility criteria and regulations for the dual degree program are given separately.

## **8 Graduation Requirements and Award of Degree**

### **8.1 Minimum and Maximum Duration and Credits**

The minimum duration for completing the B.Tech. program is 8 semesters (excluding the semesters in which the student took semester leave or the repeated semester/year). The minimum number of credits for a B.Tech. program is 156 (including 2 credits each of SG and CW). The maximum duration within which the requirements must be completed is six years (12 semesters) (including the semester in which student took semester leave or the repeated semester/year).

### **8.2 Graduation Requirements**

A student enrolled in a B.Tech. program is eligible for graduation if he/she:

- a) Fulfills all the academic requirements of the B.Tech. program in which he/she is enrolled, as given in the regulations for that program.
- b) Has completed a minimum of eight semesters in the program (excluding the semesters in which the student took semester leave or the semester/year he/she repeated).
- c) Paid all dues to the Institute and hostels.
- d) Has no disciplinary proceedings pending against him/her.

A student who has completed all the graduation requirements may be recommended for award of the degree.

### **8.3 Graduating with Honors**

A student enrolled in a B.Tech. program may also graduate with Honors, provided the student completes all the additional requirements for Honors, as specified by the

regulations for the program in which he/she is enrolled. These additional requirements normally should include:

- a) The student earns at least 12 extra discipline credits.
- b) The student's program includes a B.Tech. project.
- c) The student has a CGPA of 8.0 or more at graduation.

#### **8.4 Graduating with a Minor**

A student enrolled in a B.Tech. program may also take a minor in some other area. Requirements for a minor in an area will be as stated in regulations for that minor. A student can graduate with a minor if he/she satisfies the requirements for his/her program as well as requirements for the minor. Requirement for each approved minor will be specified separately.

#### **8.5 Award of Degrees**

- (1) The Senate recommends a student, who completes all graduation requirements, to the Board of Governors (BOG) for the award of degree in the convocation.

Upon a satisfactory report from the Dean, Academic Affairs, the Academic Senate may recommend the award of the B.Tech. degree to the student. While pending the actual award of the degree in a regular convocation of the Institute, the Dean of Academic Affairs may authorize the Registrar to issue a provisional certificate to a student who completes the requirements for graduation.

- (2) The date on the degree shall be as follows:

May 21 for the students who finish their requirements during the winter semester (e.g. 8th semester of B.Tech.)

Aug 21 for those who finish the requirements during the summer term

Dec 21 for those who finish the requirement during the Monsoon semester

- (3) As mentioned in the Ordinances, under extremely exceptional circumstances, where gross violation of the graduation requirements or use of dishonest means is detected at a later stage, the Senate may recommend to the Board of Governors to withdraw an already awarded degree.

## **8.6 Convocation**

In general, the convocation will be held in the second half of August.

A student who has completed all graduation requirements after the latest Institute convocation will receive the degree in the upcoming convocation.

Results of students who complete the degree requirements in December may be verified and put up to Chairman, Senate who is authorized to approve for the award of degree on behalf of Senate. The Degree and the scroll of such students may then be signed by the Chairman, BoG. The approval so accorded by the Chairman, Senate may be reported to the Senate for ratification in the due course.

## **8.7 Prizes and Medals**

The academic senate of the institute will set up awards, prizes, medals etc. to be given to deserving students during their B.Tech degree including awards distributed at the time of Convocation. All approved student awards and prizes are listed along with their selection criteria in the “Awards Regulations”

Under exceptional circumstances, where gross violation of the conditions of the awards/recognition or academic misconduct is detected at a later stage, the Senate may recommend to the Board of Governors to withdraw the award and recognition.

## **9 Disciplinary Action**

IIIT-Delhi maintains global academic standards in its own education system. Therefore, it does not tolerate any form of indiscipline/ academic dishonesty. Action will be taken against students found engaging in acts of indiscipline/ academic dishonesty by the Disciplinary Action Committee (DAC), constituted by the Director. The disciplinary action may result in semester/year/two year drop or even expulsion from the Institute. Separate rules and regulations have been formulated to handle the cases of violations.

## **10 Power to Modify**

Notwithstanding all that has been stated above, the Senate has the right to modify any of the above regulations from time to time.

## **Change History**

**Version 2** of the UG Manual, applicable from 2010. Main changes: Organized as Ordinances and Regulations; Minimum credit requirement for graduation increased to 152. Repeat rules for first year changed assuming 10 courses in first year.

**Version 3 (July, 2013):** Main Changes made:

- (i) Enabler to Ordinances
- (ii) UGC as a body defined and included
- (iii) Admission – clarified about the “number of seats”, admission criteria, about foreign students
- (iv) Added “Pre Registration”
- (v) Underload defined, along with rule for how a student can go on underload
- (vi) Grading scheme clarified – made similar to PG
- (vii) Rule for Grade Improvement added
- (viii) Rule for Branch Transfer added
- (ix) Rule for Migration to Dual degree added
- (x) “Graduating with Minor” added
- (xi) Dates for degrees specified in “Award of Degrees”
- (xii) A small note on “Disciplinary Action” added
- (xiii) Small changes elsewhere: Penalties for late registration, etc
- (xiv) Also some reorganization for improved clarity and organization

**Version 4 (July, 2014):** Main Changes made are:

- (i) Procedure to award degree to students who complete requirements in December
- (ii) Registration of Online courses
- (iii) CGPA calculation
- (iv) Reduction of grade due to shortage of attendance
- (v) Revision of criteria for branch transfer
- (vi) Revision of structure of minor

**Version 5 (July, 2015):** Main Changes made are

- (i) Changes in Attendance rules
- (ii) Change in branch transfer rule

**Version 6 (July, 2016):** Main Changes made are

- (i) Discontinuation of streams in UG program
- (ii) Registration of online course (OC) as a regular course
- (iii) Minor changes in grading table
- (iv) Some clarification in the rules for first year
- (v) Allowed to do ‘extra credits’ beyond 152 credits
- (vi) Allowed to repeat a course completed with a pass grade

**Version 7 (January, 2017):** Main Changes made are

- (i) Change in Semester leave
- (ii) Changes in Branch transfer rules

**Version 8 (July, 2017):** Main Changes made are

- (i) Change in Structure of B.Tech.(CSAM)

**Version 9 (January 2018):** Main Changes made are

- (i) Change in Branch Transfer Rule
- (ii) Version January 2019
- (iii) Transfer credits
- (iv) Change in Branch Transfer rules
- (v) Degree requirement revised to 156 credits including SG/CW credits
- (vi) Provision for two extra courses beyond graduation requirement to improve CGPA

**Version 10 (July, 2019)**

- (i) All operational guidelines are added to the regulations, like
  - 1) Normal course load and overload.
  - 2) Summer course drop.
  - 3) Max credits of online courses allowed in degree
  - 4) Max credits allowed in Summer (applicable from 2017 batch onwards)
  - 5) CGPA computation for Honors students
  - 6) Rules for first year
  - 7) Minimum and Maximum duration of the program
- (ii) Time limit for conversion of I grade to final grade
- (iii) Less credits in one of the semesters.
- (iv) Change in rules for replacement of failed core course(applicable from 2017 batch onwards).
- (v) Transfer of credits
- (vi) Total credits required for graduation(applicable from 2017 batch onwards)
- (vii) Total credits required for Honors Degree(applicable from 2017 batch onwards)
- (viii) Courses for completing Honors Degree(applicable from 2017 batch onwards)
- (ix) Semester Leave
- (x) Branch Transfer
- (xi) Also some reorganization for improved clarity and organization