

ORDINANCE RELATING TO THE AWARD OF DUAL DEGREE (B.TECH. DEGREE +
M.TECH/MS DEGREE)

1. Definitions:

- 1.1 "Course" means a unit of study offered in a semester.
1.2 "Credit" (C) is the weightage assigned to a course in terms of contact hours.
1.3 "Grade" means a letter grade assigned to a student on the basis of evaluation of a course on the ten point scale.
1.4 "Grade Point" (g) means the numerical equivalent of a letter grade assigned to a student in the ten point scale.
1.5 "Semester Grade Point Average" (SGPA) means index grade point average of a student in a semester calculated in the following manner:

$$SGPA = \frac{\sum_{i=1}^s c_i \times g_i}{\sum_{i=1}^s c_i}$$

c_i = Credit of the i^{th} course
 g_i = Grade point secured by the student in the i^{th} course
 s = Total number of courses offered by the Student in a semester

- 1.6 "Cumulative Grade Point Average" (CGPA) means a cumulative index grade point average of a student calculated in the following manner.

$$CGPA = \frac{\sum_{i=1}^n c_i \times g_i}{\sum_{i=1}^n c_i}$$

n = Total number of courses offered by the Student up to and including the semester for which cumulative index is required.

CGPA = Cumulative Grade Point Average of the student concerned

- 1.7 "Final Grade Point Average" (FGPA) is the final index of a student at the time of the award of degree.
1.8 "Final Grade" is the letter equivalent assigned to a student on the basis of his/her final grade point at the time of the award of the degree.
1.9 The final grade point average of a student will be worked out on the basis of the formula indicated below.

$$FGPA = \frac{\sum_{i=1}^n c_i \times g_i}{\sum_{i=1}^n c_i}$$

c_i = Credit of the i^{th} course
 g_i = Grade point secured by the student in the i^{th} course
 n = Total number of courses prescribed for the student.

2 *Eligibility for Admission:

A candidate shall be considered for admission to the Five-year Dual degree programmes after 10+2 schooling from any recognized School/Institute through JEE Main ranking.

3. Disciplines for Five-year Dual degree programmes:

The Programme of study leading to the award of Bachelor of Technology (B.Tech) Degree and Master of Technology/Science (M.Tech/MS) Degree shall be called Dual degree. Candidates may seek admission to programmes of studies leading to the award of degree in any of the following disciplines:

- 01 Computer Science and Engineering
- 02 Chemical Engineering
- 03 Civil and Environmental Engineering
- 04 Electronics and Communication Engineering
- 05 Mechanical Engineering

And in such other disciplines as may be decided by the Vice-Chancellor on the recommendations of the Special Committee of the School and notified by the University in the Prospectus/Official website.

4. Procedure for Admission:

The procedure for admission to the Dual degree course shall be laid down from time to time by the Special Committee of the School.

5. Courses of Study:

- 5.1 The School/Special Centre/Centre shall prescribe the course(s) and specify the methodology and instructional devices to be used. Every such course shall carry such credits as may be approved by the committee on the recommendations of the School/Special Centre/Centre concerned. In any course where an end semester examination is prescribed, a student clears the course only if he/she participated in the sessional work and appeared in the end semester examination and secured a weighted grade higher than 'F'. A student who fails in a course either by not clearing the sessionals and consequently being not eligible to appear in the end semester examination, or by failing in the end semester examination, or by absents from appearing in the end semester examination (for courses having end semester examination) or by failing to secure an overall grade higher than 'F' (for course having no end semester examination), shall be required to repeat that course or clear another similar (core, optional or tool, as the case may be) course in lieu thereof irrespective of his/her performance in the sessional work.

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- 5.2 A Student may with the permission of the School/Special Centre/Centre be allowed to add/drop or substitute course(s) within the permitted period as specified by the University.

6. Duration of the Dual Programme:

The curricular work leading to the award of B. Tech. degree and M.Tech/MS shall be spread over a minimum of ten semesters; 5 spring and 5 autumn semesters. Provided that a semester or a year may be declared zero semester or zero year in the case of a student if he/she could not continue with the academic programme during that period due to illness and hospitalization or due to accepting a foreign scholarship/fellowship subject to the fulfillment of requirements as laid down by the regulations. Such zero semester/year shall not be counted for calculation of the duration of the programme in case of such a student.

7. Credit Requirement:

- 7.1 No student admitted to the programme shall be eligible for the award of B. Tech. degree and M.Tech/MS unless he/she secures a minimum of 183 credits in a discipline at the end of programme
- 7.2 The scheme of instructions of specifying the contact hours inclusive of lectures, tutorial and laboratory work etc. shall be laid down by the Academic Council on the recommendations of the Special Committee of the School.
- 7.3 A student may register for additional credits not exceeding one third of the normal load.
- 7.4 A student shall not be permitted to offer a course if he/she has not previously cleared a course (s) prescribed as a pre – requisite for the former.

8. Evaluation:

- 8.1 Subject to confirmation by the Committee, the method of evaluation in the courses leading to the Dual degree shall be prescribed and assessment be conducted by the School.
- 8.2 The pattern and schedule of sessional work for each course of a semester shall be prescribed by the Academic Committee, on the recommendation of the faculty concerned and shall be made known to the students at the commencement of each semester.
- 8.3 The dissertation submitted by a candidate for the award of M.Tech/MS degree shall be examined by two examiners, to be appointed by the Committee of the School. At least one of the examiners shall be a person who is not on the staff of the University and/or on the Committee of the School.
Provided further that the evaluation process of dissertation should be completed by 30th June.
- 8.4 The courses and dissertation of the student shall be graded on a 10 point scale that is

Grade	Grade Point
A+	9
A	8
A-	7
B+	6
B	5
B-	4
C+	3
C	2
C-	1
F	0

Note 1: There shall be no rounding off of SGPA/CGPA/FGPA.

2: The SGPA/CGPA/FGPA obtained by a student is out of a maximum possible 9 points

The Final Grade Point Average obtained by the student shall be classified into the following divisions.:

FGPA	Class/Division
8.5 and above	High First Class
7.5 and above but less than 8.5	Middle First Class
6.5 and above but less than 7.5	Lower First Class
5.5 and above but less than 6.5	High Second Class
4.5 and above but less than 5.5	Middle Second Class
3.5 and above but less than 4.5	Lower Second Class (Pass)

8.5 The examiner while recommending the approval of the dissertation for the award of M.Tech./MS degree shall also award grade for the dissertation according to the grading system in Clause 10.3 above. After viva-voce examination, the final grade for the dissertation shall be determined by taking the average of the grades awarded by two examiners.

8.6 A student in order to be eligible for the award of Dual degree of the University must have a minimum CGPA of 5.00 (inclusive of dissertation and course work).

9 *Grade Point Requirement/Minimum Standard:

9.1 * A student will be required to maintain a minimum CGPA of 3.00 in the 1st and 2nd semesters of 10 semesters programme and 3.50 in the 3rd and 4th semester and thereafter 4.00 throughout the programme.

9.2 Dual degrees may be awarded to all those students who complete the credit requirements for these degrees prescribed in Clause 6.1 and who possess the required CGPA of 4.0 and above.

9.3 * A student with a cumulative index of less than 4.0 at the end of ten semesters, will be given a maximum of two more semesters to bring up his/her cumulative index to the prescribed requirement of the Dual degree or for continuing in the ten semesters programme for study leading to Dual degree.

9.4 A student in order to be eligible for the award of Dual degree of the University must have fulfilled the following requirements:

- (i) He/she has taken and passed all the prescribed courses as laid down;
- (ii) He/she has obtained a minimum CGPA of 4.0 at the end of the programme.

10. Notwithstanding what is contained in the Ordinance, the Academic Council may, in exceptional circumstances and on the recommendation of the Academic Committee of the concerned Engineering Institution as well as on the merits of each individual case, consider, at its discretion and for reasons to be recorded, relaxation of any of the provisions except those prescribing CGPA/FGPA requirements.

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