

18. * **ORDINANCE RELATING TO THE AWARD OF M. TECH (COMPUTER SCIENCE AND TECHNOLOGY) DEGREE.**

1. **Title of the Programme :**

The Programme of study leading to the award of Master of Technology Degree in Computer Science and Technology shall be called M. Tech. (Computer Science and Technology).

2. **Definitions:**

- 2.1 "Course" means a Semester Course.
- 2.2 "Credit" (C) is the weightage assigned to a course in terms of Contact hours
- 2.3 "Grade" means a letter grade assigned to a student on the basis of evaluation of a course on the ten point scale.
- 2.4 "Grade Point" (g) means the numerical equivalent of a letter grade assigned to a student in the ten point scale.
- 2.5 "Cumulative Grade Point Average" (CGPA) means a cumulative index grade point average of a student calculated in the following manner.

$$\text{CGPA} = \frac{(g_1 \times c_1) + (g_2 \times c_2)}{\text{Total number of Credits offered by the Student upto and including the semester for which cumulative index is required.}}$$

- 2.6 "Final Grade Point Average" (FGPA) is the final index of a student at the time of the award of degree.
- 2.7 "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.

* Approved vide Resolution No. 6.12/EC/28.1.1986

- 2.8 The final grade point average of a student will be worked out on the basis of the formula indicated below.

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

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.

FGPA = Final Grade Point Average of the student concerned.

3. Eligibility for Admission :

A candidate shall be considered for admission to the M.Tech. (CS&T) programme if he/she possesses the Master's degree in Mathematics or Statistics or Operational Research or equivalent qualification or MCA or in any branch of Science or B.Tech. In any branch of Engineering with atleast 60% marks.

4. Procedure for Admission :

- 4.1 The procedure for admission to the course shall be that laid down from time to time by the Committee for Advanced Studies and Research of the School hereinafter called the Committee
- 4.2 After having been admitted to the programme the candidate shall be assigned to a supervisor(s) appointed by the Committee for Advanced Studies and Research

5. * Courses of Study :

- 5.1 The School 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 Board of the School on the recommendations of the Centre/Department 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'. In no case shall a student be allowed to repeat a course either in the event of failure or for improving the performance.
- 5.2 A Student may with the permission of the School be allowed to add, drop or substitute course(s) within a period of three weeks from the commencement of the semester.

6. * Duration of the Course :

The course work shall be completed within the first two consecutive semesters and the dissertation in the subsequent third and fourth 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. ** Removal of name of a student from the rolls of the University :

- 7.1 The name of a student who fails in course shall automatically stand removed from the rolls of the University.
- 7.2 The Committee for Advanced Studies and Research may remove the name of a student from the rolls of the University if he/she fails to clear 50% of the total course work for the programme in first semester or fails to secure a SGPA of 5.00 in the first semester courses (4.00 in case of students belonging to SC/ST/PH categories) or fails to secure a CGPA of 5.00 in the course work or for unsatisfactory progress at any time during the duration of the programme.

* Amended Vide Resolution Nos. 6.2/EC/6.7.2000, 6.3/EC/19.7.2001 & 6.2/EC/22.1.2003

** Amended vide Resolution Nos. 5.9/EC/13.12.1991 & 6.2/E.C.6.7.2000

8. * Credit Requirement :

No student admitted to the programme shall be eligible for the award of M.Tech. degree unless he/she secures 50 credits all out of which at least 30 credits shall be for course work, 5 credits for seminar and 15 credits for the dissertation.

9. Topic of Dissertation :

The topic of dissertation shall be approved by the School on a proposal submitted by the student through his/her Adviser.

10. Evaluation :

10.1 Subject to confirmation by the Committee for Advanced Studies and Research, the method of evaluation in the courses leading to the M.Tech. degree shall be prescribed and assessment conducted by the Department/Centre.

10.2 The dissertation shall be examined by two examiners at least one of whom shall be a person not on the staff of the University and/or on the Committee of the Centre/Board of the School to be appointed by the Executive Council on the recommendations of the Academic Council, the Board and the Committee for Advanced Studies and Research of the School.

Provided that in case of difference of opinion between the two examiners with regard to the evaluation of dissertation the Dean of the School shall arrange to have placed before the Committee the evaluation reports of both the examiners for its consideration.

Provided further that after due consideration of the reports, the Committee may recommend the appointment of a third examiner (not connected with the University) in the manner laid down in clause 10.2 above for the evaluation of the dissertation.

Provided further that if the recommendation of the third examiner is in the negative, the student concerned shall not be awarded the degree of M. Tech.

* Amended Vide Resolution No. 6.2/EC/22.1.2003 (amended clause 8 will be applicable to the batch of students admitted to M. Tech Programme from the Academic Year 2002-2003 onwards.

10.3 *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)

- 10.4 The examiner while recommending the approval of the dissertation for the award of M.Tech. degree shall also award grade for the dissertation according to grading system in Clause 10.3 above. The final grade for the dissertation shall be determined by taking the average of the grades awarded by two examiners.
- 10.5 A student in order to be eligible for the award of M. Tech. Degree of the University must have a minimum CGPA of 5.00 (inclusive of dissertation and course work).

* Amended Vide Resolution No. 6.2/EC/6.7.2000

- 10.6 The question whether viva-voce examination in respect of M. Tech. Dissertation submitted by the student be conducted or not shall be decided by the Board of the School. Where the Board decides to hold the viva-voce examination, grade for dissertation shall be jointly awarded by the two examiners at the time of viva-voce examination.

11. No candidate admitted to a course of research for the M.Tech. degree shall :

- (a) Undertake any employment provided that the following may be exempted from the limitation of this sub-clauses:
 - (i) Those engaged in teaching and research in recognized institutions; and
 - (ii) Those whose occupation or special knowledge or professional attainments are adjudged to be specially helpful towards the proposed course of research, provided that this category shall not exceed 12-1/2% of the total number of students enrolled for the M.Tech./M.Phil/Ph.D. programmes.
- (b) Join any other course of study; or
- (c) Appear in any examination other than those prescribed by the School without the prior permission of Committee for Advanced Studies and Research.

12 ** Subject to the approval by the CASR/Special Committee of the School a student may exercise his/her option for the award of M.Tech. degree or M.Phil. degree of the School at the time of submission of dissertation as the case may be.

Provided further that M. Tech. Students having CGPA of 6.50 in their courses carrying a minimum of 30 credits will be eligible for confirmation to the Ph.D programme by the CASR/Special Committee of the School.

13 No candidate shall be eligible to register for the programme/course if he/she is already registered for any full time programme of study in this University or any other University/Institution.

14 * Notwithstanding what is contained in the Ordinance, the Academic Council may, in exceptional circumstances and on the recommendation of the Committee for Advanced Studies and Research concerned or an appropriate Committee and Board of the School 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.

* Amended Vide Resolution No. 6.2/EC/6.7.2000

** Amended vide Resolution No. 5.8/EC/16.10.1990 and 6.1/EC/10.7.2009