MASTER OF TECHNOLOGY

ACADEMIC REGULATIONS

(Batches admitted from the Academic Year 2026-2027)



MALLAREDDY ENGINEERING COLLEGE FOR WOMEN

(Autonomous Institution-UGC, Govt. of India)

Accredited by NAAC with 'A+' Grade | Programmes Accredited by NBA

NIRF Institutional Ranking 2025 – Rank Band (201-300), MHRD, GOvt. of India

Approved by AICTE, Affiliated to JNTUH, ISO 9001:2015 Certified Institution

Maisammaguda, Dhulapally, Secunderabad 50010

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Academic Regulations of M.Tech (Regular/Full Time) Programmes, 2026-27 (R-26)
(Effective for the students admitted from the Academic Year 2026-27 and onwards)

1.0 Malla Reddy Engineering College for Women (Autonomous) – Hyderabad, offers **Two** Years (**Four** Semesters) full-time Master of Technology (M.Tech.) Degree programmes, under Choice Based Credit System (CBCS) at its Constituent Colleges in different branches of Engineering and Technology with different specializations.

2.0 Eligibility for Admissions

2.1 Admission to the M.Tech. programme shall be made subject to eligibility, qualification and specializations prescribed by the University from time to time, for each specialization under each M.Tech. programme.

2.2 Admission to the post graduate programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the GATE Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana Government (PGECET) for M.Tech. programmes/ an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.

2.3 The medium of instructions for all PG Programmes will be **ENGLISH** only.

3.0 M.Tech. Programme Structure

3.1 The M.Tech. Programs of MRECW are of Semester pattern, consisting of **Two** academic years, each academic year having **Two** Semesters (Odd and Even Semesters).

3.2 The two-year M. Tech. program consists of **68** credits and the student has to register for all **68** credits and earn all **68** credits for the award of M. Tech. degree.

3.3 The student shall not take more than four academic years to fulfill all the academic requirements for the award of M. Tech. degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in M. Tech. programme.

3.4 **UGC/AICTE** specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:

3.4.1 Semester Scheme

There shall be a minimum of 15 weeks of instruction, excluding the mid-term and semester-end exams. Around 15 instruction hours, 30 instruction hours and 45 hours of learning need to be followed per one credit of theory course, practical course and project/field-based learning respectively. In each semester, there shall be 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)' under Choice Based Credit System (CBCS). The curriculum/course structure suggested by AICTE is followed as a reference document.

3.4.2 Credit Courses

All courses are to be registered by the student in a semester to earn credits which shall be assigned to each course in an L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) structure based on the following general pattern:

- One credit for one hour/week/semester for theory/lecture (L) courses or tutorials (T).
- One credit for two hours/ week/semester for laboratory/ practical (P) courses.
- One credit is allocated for three hours per week in a semester for Project/Mini-Project session.

3.4.3 Course Classification

All courses offered for the Post-Graduate M.Tech. Degree program are broadly classified as follows. The University has followed in general the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Core Courses (CoC)	PC- Professional Core	Includes courses related to the parent discipline/department/ branch of Engineering
		Dissertation	M. Tech. Project or PG Project or Major Project
		Mini Project with Seminar	Seminar based on core contents related to Parent Discipline/ Department/ Branch of Engineering
2	Elective Courses (EıE)	PE - Professional Electives	Includes elective courses related to the parent discipline/department/branch of Engineering
		OE - Open Electives	Elective courses which include inter-disciplinary courses or courses in an area outside the parent discipline/department/ branch of Engineering
3	Audit Courses	--	Non-Credit Audit Courses

4.0 Course Registration

4.1 A Faculty Advisor or Counselor shall be assigned to each specialization, who will advise on the Post Graduate Programme, its Course Structure and Curriculum, Choices/Options for Courses, based on his competence, progress, pre-requisites and interest.

4.2 The on-line Registration Requests for any current semester shall be completed before the commencement of SEEs (Semester End Examinations) of the preceding semester.

4.3 A Student can apply for on-line Registration, only after obtaining the written approval from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).

4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during on-line Registration for the Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Course in that Category will be taken into consideration.

4.5 Course Options exercised through on-line Registration are final and cannot be changed. further, alternate choices will not be considered. However, if the Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate choice either for a new Course, if it is offered, or for another existing Course (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the first week from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

In the M.Tech. programme, each course (Theory/Practical/Seminar) is an independent entity.

Henceforth, attendance is calculated course-wise and not aggregated.

5.1 Attendance in all courses (Theory/Practical/Audit Course) is compulsory. The minimum required attendance in each theory course including the attendance of mid-term examinations is 75%. Two periods of attendance shall be given for each theory course if the student appears for the mid-term examination of that course. A student shall not be permitted to appear for the Semester End Examinations (SEE) if his attendance is less than 75%.

5.2 **Mini Project with Seminar** is eligible for evaluation only if the student ensures a minimum of 75% in seminar presentation classes of Mini Project with Seminar during the semester.

5.3 **Condoning of shortage of attendance**: Shortage of attendance up to 10% (65% and above, and below 75%) considering the days of attendance in sports, games, NCC, and NSS activities, and days of absence due to medical reasons can be condoned in each course (Theory/Practical/Audit Course/Mini Project with Seminar) by the College Academic Committee on genuine and valid grounds based on the student's representation with supporting evidence.

5.4 A prescribed fee per course shall be payable for condoning shortage of attendance after getting the approval of College Academic Committee for the same. The College Academic Committee shall maintain relevant documents along with the request from the student.

5.5 Shortage of Attendance below 65% in any course shall in **no case be condoned.**

5.6 A student whose shortage of attendance is not condoned in any course (**Theory/Practical/Audit Course/Mini Project with Seminar**) is considered detained in that course and is not eligible to appear for Semester End Examination in that course. Marks earned in the CIE of the course become void and henceforth the course is not graded. **In case of Mini Project with Seminar, it shall not be evaluated and graded.**

The student may seek re-registration of the detained courses (Theory/Practical/Audit Course/Mini Project with Seminar) as and when the courses are offered by the department with the academic regulations of the batch into which he is re-registered; in case if there are any Professional Electives and/or Open Electives, the same may also be re-registered if offered, however, if those electives are not offered in later semesters, then alternative electives may be chosen from the same set of elective courses offered under that category.

5.7 A student who fulfills the attendance requirement in a course is not eligible for re- registration.

5.8 A student shall put in a minimum attendance in at least **three theory courses (excluding audit course)** in I year I semester for promotion to I year II semester.

A student shall put in a minimum attendance in at least **three theory courses (excluding audit course)** in I year II semester for promotion to II year I semester.

6. Academic Requirements

The following academic requirements must be satisfied, in addition to the attendance requirements mentioned in Item no. 5. The performance of the candidate in each semester shall be evaluated course-wise, with a maximum of 100 marks per course (theory/practical), based on Continuous Internal Evaluation and Semester End Examination.

6.1 A student is deemed to have satisfied the academic requirements and earned the credits allotted to **Theory/Practical** course if he secures not less than:

- 40% of marks (24 out of 60 marks) in the SEE
- 50% of marks in the sum total of CIE and SEE

In terms of letter grades, this implies securing '**B**' grade or above in a course.

6.2 A student is deemed to have satisfied the academic requirements and earned the credits allotted to **Mini Project with Seminar** if the student secures not less than 50% marks (i.e. 50 out of 100 allotted marks). The student would be treated as failed, if the student (i) does not submit a seminar report on Mini Project or does not make a presentation of the same before the evaluation committee as per schedule or (ii) secures less than 50% marks in the evaluation of Mini Project with Seminar. The failed student shall reappear for the above evaluation when the notification for supplementary examination is issued.

6.3 A student is deemed to have satisfied the academic requirements and earned the credits allotted to **Dissertation Stage I, Dissertation Stage II, and Dissertation Viva-Voce** if the student secures not less than 50% marks (i.e. 50 out of 100 allotted marks). If the student fails to obtain the minimum required marks he has to reappear for the same as and when conducted.

6.4 A student has to secure not less than 50% of marks (i.e. 50 out of 100 allotted marks) in the CIE for passing the Mandatory Non-Credit **Audit Courses**. No marks or letter grades shall be allotted for Non-Credit Audit Courses. Only Pass/Fail shall be indicated in Grade Card.

6.5 A student shall register for all courses for total of **68 credits** as specified and listed in the course structure of the chosen specialization, put in the required attendance and fulfill the academic requirements for securing **68** credits obtaining a minimum of **'B'** Grade or above in each course, and shall ***pass all the Audit Courses*** to complete the M.Tech. Programme successfully.

Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the courses offered and gets a minimum of B grade in all the courses.

(2) CGPA is calculated only when the candidate passes in all the courses offered in all the semesters

6.6 Letter Grades obtained in all those courses covering the above specified **68** credits alone shall be considered for the calculation of final CGPA, which will be indicated in the consolidated grade memo.

6.5 When a student is detained due to shortage of attendance in any course(s) in any semester, shall not be permitted to write the Semester End Examinations. However, he is eligible for re-registration of such course(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per course. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such course(s), and SGPA/CGPA calculations.

6.6 A student eligible to appear for the Semester End Examination in any course, but absent from it or failed (failing to secure **'B' Grade** or above), may reappear for that course at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that course will be carried over, and added to the marks secured in the supplementary semester end examination, for the purpose of evaluating his performance in that course.

6.7 A Student who fails to earn **68** credits as per the specified course structure, and as indicated above, within four academic years from the date of commencement of his first year first semester shall be forfeit his seat in M.Tech. programme and his admission **shall stand cancelled**.

7. Evaluation - Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated course-wise irrespective of credits assigned) for a maximum of 100 marks.

7.1 The performance of a student in every course (Theory/Practical/Mini-Project with Seminar/Dissertation Stage I &II) will be evaluated for 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End-Examination).

7.2 **Continuous Internal Evaluation of a Theory course** is done through mid-term examinations for 30 marks, assignments for 5 marks and viva-voce/PPT/Poster Presentation/Case Study on a topic in the concerned course for 5 marks during a semester as follows:

(i) There shall be two mid-term examinations during the semester conducted for 30 marks with a total duration of 2 hours.

(ii) Descriptive paper and shall contain 8 questions out of which, the student needs to answer 5 questions each carrying 6 marks.

(iii) While the first mid-term examination shall be conducted for the first 50% syllabus, the second mid-term examination shall be conducted for the remaining 50% of the syllabus. The average of the two mid-term examinations shall be taken as final marks.

(iv) Two assignments are evaluated for 5 marks each. The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The assignments shall be given by the course teachers. The average of the two assignments shall be taken as the final marks.

(v) The remaining 5 marks may be evaluated by conducting viva-voce in the course or by evaluating the performance of the student in PPT/Poster/Case-Study presentation on a topic in the concerned course before second mid-term examination**.**

7.3. **The Semester End Examination for theory courses** will be conducted by the college examination branch for 60 marks consisting of two parts: Part - A of 10 marks and Part-B of 50 marks.

- Part-A is a compulsory question which consists of ten sub-questions from all units carrying equal marks.
- Part-B consists of ten questions (numbered from 2 to 11) with two questions from each unit with “either” “or” choice. This means that the student should answer five questions from either of the two questions from each unit.
- The duration of Semester End Examination is 3 hours.

7.4 **Continuous Internal Evaluation of a practical course** is done for 40 marks during the semester as follows:

(i) A write-up on day-to-day experiments in the laboratory (in terms of aim, components/procedure, expected outcome) shall be evaluated for 10 marks

(ii) 10 marks are awarded either for the performance in viva-voce (or) case study presentation (or) application development (or) poster presentation.

(iii) Internal practical examination shall be conducted by the concerned laboratory teacher for 10 marks.

(iv) The remaining 10 marks are awarded for laboratory project, which consists of the design (or) software/hardware model presentation (or) app development (or) prototype presentation at the end of the completion of laboratory course and before semester end practical examination.

7.5 **The Semester End Examination for a practical course** shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed by the Principal/Vice-Principal.

The Semester End Examination (SEE) for a practical course shall be held for 3 hours for a total of 60 marks evaluated as follows:

(i) 10 marks for write-up

(ii) 15 marks for experiment/program

(iii) 15 marks for evaluation of results

(iv) 10 marks for presentation on another experiment/program in the same laboratory course and

(v) 10 marks for viva-voce on concerned laboratory course.

7.6 **Audit Courses** are evaluated for 100 marks. A student shall secure 50% of marks (50 marks out of 100 marks) in the CIE for passing the course. No marks or letter grades shall be allotted for Audit Courses. Only Pass/Fail shall be indicated in the Grade Card.

7.7 In each of the Theory/Practical courses of PGP, the student shall earn 40% of marks (i.e. 16 marks out of 40 marks) in CIE, 40% of marks (i.e. 24 marks out of 60) in SEE and a total of 50% of marks (i.e. 50 marks out of 100 marks) in CIE and SEE taken together.

7.8 The **Mini Project with Seminar** in I year II semester is evaluated for 100 internal marks (CIE). The Departmental Academic Committee (DAC) will review the progress of the Mini Project during seminar presentations and evaluate the same for 50 marks. Mini Project viva-voce will be evaluated by the DAC for another 50 marks before the SEEs. Students shall carry out the Mini Project in consultation with the supervisor assigned by the Head of the Department.

A Mini Project with Seminar shall comprise of a critical review of literature or a project implementation. A student shall submit the work carried out as part of Mini Project in the form of a report and present the same before the DAC.

A DAC is composed of the Head of the Department, supervisor and two other senior faculty members of the department.

A student has to secure a minimum of 50% of marks in the overall evaluation of Mini Project with Seminar which consists of seminar presentations and viva-voce, to be declared successful. The failed student shall reappear for the above evaluation when the notification for supplementary examination is issued.

7.9 **Registration of Dissertation Work**: A student is permitted to register for the dissertation work after satisfying the attendance requirement in all the courses (Theory/Practical/Mini Project with Seminar/Audit Courses)

(a) The Dissertation Work shall start immediately after the completion of the I year II semester and shall continue through II year I and II semesters under the supervision of the dissertation guide/supervisor assigned by the Head of the Department.

(b) A student is required to submit a **dissertation** on a topic approved by the Dissertation Review Committee (DRC). The DRC monitors the progress of the dissertation work in two stages viz. Dissertation Stage-I and Dissertation Stage-II. A DRC shall be constituted with the Head of the Department as chairperson, dissertation supervisor, and a senior faculty of the department.

(c) **Dissertation Stage I** is initiated in II year I semester upon satisfying the attendance requirement stated above. **Dissertation Stage I comprises of Dissertation Review I and Dissertation Review II.**

(d) In consultation with the supervisor, the student shall present the dissertation proposal viz. the title, objective and plan of action of the dissertation work to be carried out before the DRC for approval within four weeks from the commencement of II year I semester in **Dissertation Work Review-I**. Only after obtaining the approval of the DRC, the student can initiate the dissertation work and submit the final dissertation not earlier than 40 weeks from the date of approval or registration.

The student can change the supervisor or topic of the dissertation with the approval of the DRC. However, the DRC shall examine whether or not the change of the topic/supervisor leads to a major change of his initial plans of dissertation proposal. If so, the student's date of registration for the dissertation work starts from the date of change of supervisor or topic as the case may be and the student can submit the final dissertation upon completion of 40 weeks from the new date of

registration.

(e) The DRC monitors the progress of the dissertation work through Dissertation Work Review-II and Dissertation Work Review-III in II year I semester and II year II semester respectively.

(f) Dissertation Stage-I in II year I semester carries 100 internal marks (CIE) and is evaluated by the supervisor and DRC. While supervisor evaluates for 50 marks the DRC evaluates for the remaining 50 marks through **Dissertation Work Review II**. The supervisor and the DRC examine the problem definition, objectives and scope of the work, literature survey and progress of the dissertation work. A student shall secure a minimum of 50% of marks to be declared successful in Dissertation Stage I. If the student fails to obtain minimum marks, he shall reappear for the same as and when scheduled.

(g) The dissertation work initiated in II year I semester shall continue through II year II semester. **Dissertation Stage-II** is evaluated in II year II semester for 100 internal marks (CIE) by supervisor and DRC. While supervisor evaluates for 50 marks the DRC evaluates for the remaining 50 marks through **Dissertation Review III**. The DRC will examine the overall progress of the dissertation work and decide whether or not the dissertation is eligible for final submission. A student shall secure a minimum of 50% of marks to be declared successful in Dissertation Stage-II. If the student fails to obtain minimum marks, he shall reappear for the same as and when scheduled.

(h) Dissertation Work Reviews II and III shall be conducted in two phases: Phase I (Regular) and Phase II (Supplementary). Phase II will be conducted only for unsuccessful students in Phase I. The unsuccessful students of Phase II in Dissertation Work Review-II shall reappear for the same at the time of the Phase I of Dissertation Work Review III. These students shall appear for Dissertation Work Review III in the next academic year at the time of Phase I of Dissertation Work Review II. Similarly, the unsuccessful students of Phase II of Dissertation Work Review-III shall reappear in the next academic year in Phase I of Dissertation Work Review-II.

A student shall present the progress of the dissertation through Dissertation Reviews II and III with at least a gap of three months between the reviews.

(i) A student is eligible to make **final submission of the dissertation** after satisfying the following requirements:

- Completion of 40 weeks duration from the date of registration
- Successful completion of the following viz. all the Theory, Practical and Mandatory Non-Credit Audit Courses, Mini Project with Seminar and Dissertation Stage-I.
- Seek the approval for submission by submitting the draft of the dissertation and making an oral presentation of the work carried out before the DRC in Dissertation Work Review III. That is successfully complete Dissertation Stage- II.
- Publish a research paper in a UGC approved journal (Optional).

(j) After approval for submission, a soft copy of the thesis shall be submitted for anti- plagiarism check. The plagiarism report should be included in the final dissertation. The dissertation shall be accepted for submission, if the similarity index is less than 30%. Otherwise, the student shall resubmit the modified dissertation after one month. The maximum number of resubmissions of dissertation after plagiarism check is limited to two. After two resubmissions the student shall re-register for the dissertation work and work for two semesters. After three attempts, the admission is liable to be cancelled.

Three copies of the dissertation certified by the supervisor shall be submitted to the department.

(k) The Head of the Department shall submit a panel of three external examiners for adjudication of dissertation. Principal shall appoint one of the examiners for adjudication of the same.

If the report of the external examiner is unsatisfactory, the student shall revise and resubmit the dissertation. If the report of the examiner is unsatisfactory again, the dissertation shall be summarily rejected. Subsequent actions for such dissertations may be considered only on the specific recommendations of the external examiner and/or DRC. No further correspondence will be entertained, if there are no specific recommendations for resubmission.

(l) If the report of the examiner is satisfactory, the Head of the Department shall coordinate and conduct **Dissertation Viva-Voce.** The dissertation viva-voce shall be conducted by a board consisting of supervisor, Head of the Department and the external examiner who adjudicated the dissertation. The external examiner evaluates the dissertation for 100 marks (SEE). The student shall secure a minimum of 50% of marks (50 marks out of 100 marks) in the evaluation of dissertation viva-voce.

If the student fails in the dissertation viva-voce, he shall reappear for the dissertation viva-voce only after three months. If the student fails again, he will not be eligible for the award of the degree unless he is asked to revise and resubmit the dissertation work by the board within a specified time period.

8. Re-Admission/Re-Registration

8.1 Re-Admission for Discontinued Student

A student, who has discontinued the M. Tech. degree programme due to any reason whatsoever, may be considered for **'readmission'** into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned.

8.2 If a student is detained in a course(s) due to shortage of attendance in any semester, he may be permitted to **re-register** for the same course(s) or the student may register in an equivalent course, If the same course is not available, as suggested by the Board of Studies of that department, in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned.

9. Examinations and Assessment - The Grading System

9.1 Grades will be awarded to indicate the performance of each student in each Theory Course, or Lab/Practicals, or Mini Project with Seminar, Dissertation, etc., based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together), and a corresponding Letter Grade shall be given.

9.2 As a measure of the student's performance, a 10-point absolute grading system using the following letter grades (UGC Guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10
Greater than 80 and less than 90%	A^+ (Excellent)	9
Greater than 70 and less than 80%	A (Very good)	8
Greater than 60 and less than 70%	B+ (Good)	7
Greater than 50 and less than 60%	B (Above Average)	6
Below 50%	F (Fail)	0
Absent	Ab	0

9.3 A student who has obtained an **'F'** grade in any course is deemed to have **'failed'** and is required to reappear as a 'supplementary candidate' in the Semester End Examination, as and when conducted. In such cases, marks scored in CIE (internal marks) in those courses will remain as obtained earlier.

9.4 If a student has not appeared for the examinations, '**Ab**' Grade will be allocated to him for any course and shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.

9.5 A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.

9.6 In general, a student shall not be permitted to repeat any Course(s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.

9.7 A student earns Grade Point (GP) in each course, on the basis of the letter grade secured in that course. The corresponding Credit Points (CP) are computed by multiplying the grade point with credits for that particular course.

Credit Points (CP) = Grade Point (GP) × No. of Credits for a Course

9.8 The student passes the Course only when he gets **GP ≥ 6 (B Grade or above).**

9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points secured from all Courses registered in a Semester, by the total number of credits offered in that Semester. SGPA is rounded off to two decimal places. SGPA is thus computed as

$$SGPA = \frac{\sum_{i=1}^{N} C_i G_i}{\sum_{i=1}^{N} C_i}$$

where 'i' is the Course indicator index (taking into account all Courses in a Semester), 'N' is the no. of Courses offered in the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the i^{th} Course, and G_i represents the Grade Points corresponding to the Letter Grade awarded for that i^{th} Course.

9.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in all registered Courses in all Semesters, and the Total Number of Credits registered in all the Semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

$$CGPA = \frac{\sum_{i=1}^{M} C_i G_i}{\sum_{i=1}^{M} C_i}$$

=

where 'M' is the total no. of Courses (as specifically required and listed under the Course Structure of the parent Department) the Student has 'registered'. C_j is the no. of Credits allotted to the j^{th} Course, and G_j represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} Course. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course	Credits	Letter Grade	Grade point	Credit Points
Course	4	A	8	4*8 = 32
Course	4	O	10	4*10 = 40
Course	4	B	6	4*6 = 24
Course	3	B	6	3*6 = 18
Course	3	A	9	3*9 = 27
Course	3	B	6	3*6 = 18
	21			159

SGPA = 59/21 = 7.57

Illustration of calculation of CGPA

Semester	Credits	SGPA	Credits * SGPA
Semester I	24	7	24*7 = 168
Semester II	24	6	24*6 = 144
Semester III	24	6.5	24*6.5 = 156
Semester IV	24	6	24*6 = 144
			612

CGPA = 612/96 = 6.37

10. Award of Degree and Class

10.1 If a student who registers for all the specified courses as listed in the course structure, satisfies all the course requirements, and passes the examinations prescribed in the entire PG Programme, and secures the required number of 68 credits (with CGPA ≥6.0) shall be declared to have 'qualified' for the award of the M.Tech. Degree in the chosen branch of engineering and technology with the specialization that he was admitted into.

10.2 Award of Class

After a student has earned the requirements prescribed for the completion of the programme and is eligible for the award of M.Tech. Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.75
First	6.75≤ CGPA < 7.75
Second	6.00≤ CGPA < 6.75

A student with final CGPA (at the end of the **PGP) < 6.00** shall not be eligible for the Award of Degree.

11.0 Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.

12.0 Conversion of CGPA into equivalent Percentage of Marks

The following formula shall be used for the conversion of CGPA into equivalent marks, whenever it is necessary

Percentage (%) of Marks = (Final CGPA – 0.5) x 10

13.0 Mapping with the Sustainable Development Goals

All the courses specified in the course structure of every programme are mapped with the one or more sustainable development goals.

14.0 General

14.1 **Credit**: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.

14.2 **Credit Point:** It is the product of grade point and number of credits for a course.

14.3 Wherever the words “he”, “him”, “his”, occur in the regulations, they shall include “she”, “her”.

14.4 The academic regulation should be read as a whole for the purpose of any interpretation.

14.5 In case of any ambiguity in the academic regulations, course structure and/or syllabus, students may contact the chairperson, Board of Studies and Principal for clarification.

14.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

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