

AMENDMENTS IN 2018 PG REGULATIONS

For the students admitted from the Academic year 2021-2022 onwards covered under 2018 Regulations

10 ASSESSMENT PROCEDURES FOR AWARDED MARKS

All M.E. Programmes consist of Theory Courses, Theory Courses with Laboratory component, Laboratory Courses and Employability Enhancement Courses. Employability Enhancement Courses include Project Work, Seminar, Case Study and Industrial / Practical Training. Appearance in End Semester Examination is mandatory for all courses including Theory, Laboratory, Theory Courses with Laboratory Component and Project work.

(i.e.) Each course shall be evaluated for a maximum of 100 marks as shown below:

Table – Categories of Courses

Sl.No	Category of Course	Continuous Assessment marks	End-Semester Examination marks
1.	Theory Courses	40	60
2.	Theory Courses with Laboratory Component	50	50
3.	Laboratory Courses	60	40
4.	Project Work Phase I Phase II	100 200	100 200
5.	Online SWAYAM/NPTEL Courses (Optional)	Marks offered by SWAYAM/NPTEL shall be directly considered	
6.	All EEC Courses* (Except Practical Courses and Project Work: Phase I & Phase II)	100	-
7.	Audit Course	40	60
8.	Value Added Courses * (Optional)	100	-
* Value Added Courses (comes under EEC) – not included for GPA and CGPA calculation.			

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' for every semester which consists of attendance marked in each theory/ Laboratory/EEC class, the assessment marks and the record of classwork (topics covered), separately for each course handled by the teacher. This should be submitted to the Head of the Department periodically (at least three times in a semester)

for checking the syllabus coverage and the records of assessment marks and attendance. The Head of the Department will affix his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Department who shall keep this document in safe custody after the approval from the Principal (for four years). The records of attendance and assessment of both current and previous semesters should be available for inspection.

10.1 Assessment for Theory Courses Including Audit Courses

For Theory Courses including audit courses out of 100 marks, the maximum marks for Continuous Assessment is fixed as 40 and the End Semester Examination carries 60 marks.

The End Semester Examinations for theory courses including audit courses will be of 3 hours duration and shall normally be conducted for a maximum of 100 marks between November and January during the odd semesters and between April and June during the even semesters. End semester Examination is mandatory requirement for passing the course and every student should appear for the examination for theory, theory course with laboratory, laboratory courses, audit course and project work.

Continuous Assessments are to be arrived on the basis of students performance in tests, Individual Assignment/ Case Study/ Seminar/ Mini project/ any other experiential Learning. There shall be two assessments of equal weightage, conducted by the course instructor / coordinator / department. The total marks obtained in the assessments put together shall be reduced to 40 marks and rounded to the nearest integer. A minimum of two tests would be conducted in a day (in the case of tests and they would be of two hours durations each); students will not have regular classes on the scheduled day of the tests. In case a student misses the assessment due to medical reasons (hospitalization/accident/specific illness) or due to participation in the College/University /State/National/ International level Sports events with prior permission from the HOD, a Reassessment (which means that only one RETEST is allowed) may be given at the end of the semester after getting approval from the Head of the Department through the concerned course instructor.

To arrive the Continuous Assessment Marks, the following guidelines should be followed.

Table – Theory Courses: Continuous Assessment Marks

Assessment I (100 Marks)		Assessment II (100 Marks)		Total Continuous Assessment Marks
Individual Assignment/ Case Study/ Seminar/ Mini project/ any other experiential Learning	Written Test	Individual Assignment/ Case Study/ Seminar/ Mini project/ any other experiential Learning	Written Test	
40	60	40	60	200*

**The weighted average shall be converted into 40 marks for Continuous Assessment.*

10.2 Assessment for Laboratory Courses

For Laboratory Courses out of 100 marks, the maximum marks for Continuous Assessment is fixed as 60 and the End Semester Examination carries 40 marks.

Every laboratory exercise / experiment shall be evaluated based on the student performance during the laboratory class and the student's records maintained. There shall be at least one assessment test. The End Semester examinations for Laboratory courses will be of 3 hours duration and shall normally be conducted for a maximum of 100 marks during the odd and even semesters

The criteria for arriving at the Continuous Assessment marks of 60 is as follows:

Table – Practical Courses: Continuous Assessment Marks

Continuous Assessment (100 Marks)*	
Evaluation of Laboratory Observation, Record	Test
75	25

* Continuous Assessment marks shall be converted into 60 marks

10.3 Assessment for Theory Courses with Practical Component

Weightage of Continuous Assessment and end semester examination marks will be 50% each. The distribution of marks for the theory and laboratory components in the Continuous Assessment and end semester examination for different types of courses are provided in the table.

L	T	P	C	CONTINUOUS ASSESSMENT		END SEMESTER EXAMINATION
				ASSESSMENT 1	ASSESSMENT 2	
1	0	4	3	Laboratory (25%)	Theory (25%)	Laboratory only (50%)
1	0	2	2	Laboratory (25%)	Theory (25%)	Laboratory only (50%)
2	0	2	3	Theory (25%)	Laboratory (25%)	Theory (25%) Laboratory (25%)
3	0	2	4	Theory (25%)	Laboratory (25%)	Theory (35%) Laboratory (15%)
2	0	4	4	Theory (25%)	Laboratory (25%)	Theory (15%) Laboratory (35%)

The procedure for the conduct of Continuous Assessment for theory and laboratory components shall be as per the clause 10.1 and 10.2 respectively.

The weighted average shall be converted into 50 marks for Continuous Assessment.

Project Work/ Internship and Practical Courses

For the Project Work/ Internship and practical Courses fixed grading procedure shall be followed

11 PASSING REQUIREMENTS

11.1. A student who secures not less than 50% of total marks prescribed for the course [Continuous Assessment + End semester Examinations] with a minimum of 45% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for theory, theory with practical component and practical courses (including project work).

11.1.1 If a student fails to secure a pass in a theory course / theory with practical component / practical course (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the Continuous assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, **from the third attempt onwards** if a student fails to obtain pass marks (Continuous Assessment + End Semester Examination), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone.

11.1.2 If the course, in which the student has failed, is a Professional Elective or Open Elective course, the student may be permitted to register for the same or any other elective course in the subsequent semesters.

If any other Professional Elective or Open Elective course is opted by the student, the previous registration is cancelled and henceforth it is to be considered as a new Professional Elective or Open Elective course. The student has to register and attend the classes, earn the continuous assessment marks, fulfil the attendance requirements as per clause 7 and appear for the end semester examination.

11.1.3 If a student fails to secure a pass in a laboratory course, the student shall do reappearance registration for that course in the subsequent semester

AWARD OF LETTER GRADES

12.1 The award of letter grades will be decided based on relative grading principle. The relative grading is applicable to **ONLY** those students who have passed the examination as per the passing requirements (vide clause 11). For those students who have not passed the examination, Reappearance (U) shall be awarded as shown in the below Table.

For those students who have passed the course, the relative grading shall be done. The marks of those students who have passed only shall be inputted in the software developed for relative grading. The evolved relative grading method normalizes the results data using the BOX-COX transformation method and computes the grade range for each course separately and awards the grade to each student. For a given course, if the students' strength is greater than 30, the relative

grading method shall be adopted. However, if the students' strength is less than or equal to 30 then the fixed grading shall be followed with the grade range as specified below.

Table – Letter Grades and Range of Marks

O	A+	A	B+	B	C	U
91-100	81-90	71-80	61-70	56-60	50-55	<50

The performance of a student shall be reported using letter grades, each carrying certain points as detailed below:

Table – Letter Grades and Grade Points

LETTER GRADE	GRADE POINTS	RESULT
O (Outstanding)	10	PASS
A+ (Excellent)	9	
A (Very Good)	8	
B+ (Good)	7	
B (Average)	6	
C (Satisfactory)	5	
U (Re-appearance)	0	RA (Re-appearance)
SA (Shortage of Attendance)	0	RC (Repeat Course)
WD (Withdrawal)	0	EA (Extended Appearance)
AB (Absent)	0	RA (Re-appearance)

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: “O”, “A+”, “A”, “B+”, “B”, “C”.

‘SA’ denotes shortage of attendance and hence prevented from writing the end semester examinations. ‘SA’ will appear only in the result sheet.

“U” denotes that the student has failed to pass in that course. “WD” denotes withdrawal from the exam for the particular course. The grades U and WD will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to appear for the End Semester Examinations.

If the grade U/AB is given to Theory Courses/ Laboratory Courses it is not required to satisfy the attendance requirements, but has to appear for the end semester examination and fulfil the passing requirements to earn a pass in the respective courses.

If the grade U/AB is given to EEC (Employability Enhancement Course) (except Project Work), which are evaluated only through internal assessment, the student shall register for the course again

in the subsequent semester, fulfill the passing requirements to earn pass in the course. However, attendance requirement need not be satisfied.

14.2 CLASSIFICATION OF THE DEGREE AWARDED

14.2.1 FIRST CLASS WITH DISTINCTION

A candidate who qualifies for the degree (vide Clause 14.1), having passed the examination in all courses of the entire Programme in first attempt within the specified minimum number of semesters, securing a **CGPA of not less than 8.50** and should not have been prevented from writing end semester examination due to lack of attendance in any of the courses shall be declared to have passed the examination for the degree in **First Class with Distinction**. For this purpose, the withdrawal from examination (vide clause 15) will not be construed as an appearance. Further, the authorized break of study (vide clause 16) will not be counted for the purpose of classification.

14.2.2 FIRST CLASS

A candidate who qualifies for the award of the degree (vide clause 14.1), having passed the examinations in all the courses of the Programme within the specified minimum number of semesters plus one year, securing a CGPA of not less than 6.5 shall be declared to have passed the examination for the degree in **FIRST CLASS**. The authorized break of study (vide clause 16) will not be counted for the purpose of classification.