



P.S.R.ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Sevalpatti (P.O), Sivakasi - 626140.

Tamilnadu State



[UG Regulation-2019-Amendments]

REGULATIONS FOR UG [B.E/B.TECH] PROGRAMME

UNDER CHOICE BASED CREDIT SYSTEM

[For the Students Admitted from the Academic Year 2021-22 and Onwards]

Clause	Amended Sub Clause(s)	CONTENTS	Page No.
4.	4.9	Structure of the Programmes	1
5.	5.2, 5.3	Duration of the Programmes	1
6.	6.3	Course Registration and Reappearance Registration	2
8.	8.1 to 8.7	Assessment Procedure For Awarding Marks	2
10.	10.1, 10.2	Award of Letter Grades	5
14.	14.2	Classification of Degree	7

4 STRUCTURE OF THE PROGRAMMES

4.9 Advancement of Final Semester Courses

The students shall undergo the eighth semester courses other than the Project Work in the sixth and seventh semesters, provided they do not have reappearance courses and have a CGPA of 7.50 and above at the end of Semester IV.

The students who completed their final semester courses (except project work) in advance, shall be permitted to carry out their final semester Project Work for six months in an industry/research organization.

5. DURATION OF THE PROGRAMMES

5.2 Each semester shall normally consist of 75 working days (excluding examination days) or 540 periods of 50 minutes each. The Head of the Department shall ensure that every faculty member imparts instruction as per the number of periods specified in the syllabus covering the full content of the syllabus for the course being taught.

- 5.3 The Institution may conduct additional classes for improvement, special coaching, the conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, the following method shall be used.

$$\% \text{ of Attendance} = \frac{[\text{Total no. of periods attended in all the courses per semester}] / [(\text{No. of periods/week as prescribed in the curriculum taken together for all courses of the semester}) \times 15]}{\times 100}$$

6. COURSE REGISTRATION AND REAPPEARANCE REGISTRATION

- 6.3 The maximum number of credits that can be registered in a semester is 36. However, this does not include the number of Re-appearance (RA) and Withdrawal (W) courses registered by the student for the appearance of the Examination.

8. ASSESSMENT PROCEDURE FOR AWARDING MARKS

All B.E. / B.Tech. Programmes consist of Theory Courses, Practical Courses and Employability Enhancement Courses. Appearance in End Semester Examination is mandatory for all courses including Theory, Practical and Project work. Performance in each course of study shall be evaluated based on (i) Internal Assessments throughout the semester and (ii) End Semester Examination at the end of the semester. Each course shall be evaluated for a maximum of 100 marks as shown below:

Category	Internal Assessment	End Semester Examination
Theory Courses	40	60
Theory Cum Practical Courses	50	50
Practical Courses	60	40
Project Work	40	60
Mandatory Courses (Non-Credit)	100	Nil

8.1 Internal Assessment for Theory Courses

The criteria for determining the internal assessment marks are:

- i) **Internal Tests [60% weightage]**

A maximum of three tests each carrying sixty (60) marks shall be conducted for the theory part by the department / Institution. The marks obtained in the

best of two tests shall be reduced to 60 marks and rounded to the nearest integer. Retest at the discretion of the head of the department may be conducted for deserving candidates.

ii) **Assignment / Seminar / Mini project / Case Study [40% weightage]**

A student has to carry out either an assignment or a mini project.

- An assignment normally requires work of an average of 5 to 6 hours of study and written work of an average of 5 to 6 hours which has to be submitted to the course tutor for evaluation.
- A mini project shall be in hardware or software. The student has to submit a report before the end of the semester. The mini-project will be assessed based on the model presentation and report as decided by the department.
- Seminars may be considered for the courses as per the feasibility and decision of the HoD. In this case, the student has to make a seminar on the topics related to the course. The seminar will be assessed by the course tutor with common parameters as described by the department and included in the internal assessment.

iii) The marks awarded for 100 (i.e i + ii of the above) shall be reduced to 40.

8.2 Internal Assessment For Practical Courses

i) Every practical exercise/experiment shall be evaluated based on the conduct of the exercise/experiment and records maintained. There shall be at least one test. The criteria for determining the internal assessment marks are:

Experiment / Record / Average	
Practical classes' performance:	75% weightage
Practical Test:	25% weightage

ii) The marks awarded for 100 shall be reduced to 60.

8.3 Internal Assessment For Theory Cum Practical Courses

i) **Internal Tests for Theory Part [60% weightage]**

A maximum of three tests each carrying sixty (60) marks shall be conducted for the theory part by the department / Institution. The marks obtained in the best of two tests shall be reduced to 60 marks and rounded to the nearest integer. Retest at the discretion of the head of the department may be conducted for deserving candidates.

ii) **Continuous Assessment for Practical Part [40% weightage]**

Every practical exercise/experiment shall be evaluated based on the conduct of the exercise/experiment and records maintained. There shall be at least one test. The criteria for determining the internal assessment marks are:

Experiment / Record / Average	
Practical classes' performance:	75% weightage
Practical Test:	25% weightage

iii) The marks awarded for 100 (i.e i + ii of the above) shall be reduced to 50.

8.4 Internal Assessment For Project Works

There shall be three assessments during the semester by a review committee. The students shall make a presentation on the progress made before the committee. The criteria for arriving at the internal assessment marks and end semester exam marks for the project work:

Internal (40)			End Semester Exam (60)				
Review I	Review II	Review III	Project Report		Viva-voce		
			Internal	External	Internal	External	Supervisor
10	15	15	10	10	10	20	10

8.5 Other Employability Enhancement Courses

(a) **The Seminar / Case Study / Mini Project** course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar and at the end of the semester, the marks shall be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) **The Industrial / Practical Training, Summer Project, Internship**, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical Training / Internship / Summer Project, the student shall submit an attendance certificate from the organization where he / she has undergone training

and a brief report. The evaluation will be made based on this report and a viva-voce Examination, conducted internally by a three member Departmental Committee constituted by the Head of the Institution consisting of the course coordinator and two experts from the Department.

(c) For all the courses under Employability Enhancement Courses Category, except the Project Work, the evaluation shall be done with 100% internal marks and as per the procedure described in clause 8.5 (a) / (b).

8.6 **Assessment For Value Added Courses**

Value added courses will be evaluated through continuous assessments only. The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however, the same shall not be considered for the computation of CGPA.

8.7 **Assessment for Online Courses**

Students may be permitted to credit two online courses (which are provided with certificates), subject to a maximum of six credits. **The online course of 3 credits can be considered instead of one elective course.** These online courses shall be chosen from the SWAYAM platform, provided the offering organization conducts regular examinations and provide marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed the examination as per the norms of the offering organization. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course shall be sent to the Controller of Examinations in the subsequent semester(s) along with the details of the elective(s) to be dropped.

10 **AWARD OF LETTER GRADES**

10.1 The performance of a student will be reported using letter grades following the principle of relative grading, each carrying certain points as detailed below:

Marks Scored	Letter Grade	Grade Points	Description
91 - 100	O	10	Outstanding
81 - 90	A +	9	Excellent
71 - 80	A	8	Very Good
61 - 70	B +	7	Good
56 - 60	B	6	Average
50 - 55	C	5	Satisfactory
< 50	U	0	Reappearance

Absent	Ab	0	-
Shortage of Attendance	SA	0	-
Withdrawal	W	0	-

‘U’ denotes Reappearance registration is required for that particular course.

‘SA’ denotes shortage of attendance (as per Clause 7) and hence prevented from writing end semester examination.

The grades U and W 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 as per the Regulations.

If the grade U is given to **Theory Courses/ Laboratory Courses it is not required to satisfy the** attendance requirements (vide clause 7), but has to appear for the end semester examination and fulfil the norms specified in clause 14 to earn a pass in the respective courses.

If the grade U is given to **EEC courses (except Project Work), which are evaluated only through internal assessment**, the student shall register for the course again in the subsequent semester, and fulfil the norms as specified in clause 9 to earn a pass in the course. However, attendance requirements need not be satisfied.

- 10.2 The relative grading is applicable only to those students who have passed the examination as per the passing requirements. For the students who have not passed the examination, Reappearance (U) will be awarded.

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 by the grade range as specified above in the table.

The fixed grading procedure shall be followed only for Project Works/Internship, Practical Courses, and Value Added Courses.

14 CLASSIFICATION OF DEGREE

14.2 First Class

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

- Should have passed the examination in all the courses of all eight semesters within six years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).
- Should have secured a CGPA of not less than 6.50
