

SNS COLLEGE OF TECHNOLOGY
(An Autonomous institution affiliated to Anna University Chennai)
COIMBATORE - 35
UG (B.E. / B. Tech) REGULATIONS 2016
CHOICE BASED CREDIT SYSTEM

DEGREE OF BACHELOR OF ENGINEERING / TECHNOLOGY

The following Regulations is applicable to all B.E., / B.Tech., students admitted from the year 2016 - 17 onwards for Regular admission(Academic year 2017-18 for Lateral Entry) in SNS College of Technology, Coimbatore.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, the context depicts:

- I) **“Programme”** means Degree Programme that is B.E./B.Tech. Degree Programme.
- II) **“Branch”** means a discipline or specialization of B.E./B.Tech. Degree Programme, like Civil Engineering, Information Technology, etc.
- III) **“Course”** means a Theory or Practical course that is normally studied in a semester, like Mathematics, Physics, etc.
- IV) **“Head of the Institution”** means the Head of the Institution of the College who is responsible for all academic activities of the college
- V) **“Chairman”** means the Chairman of the Board of Studies (B.O.S) for the various Programme
- VI) **“Dean / Head of Department”** means the Head of the concerned Under Graduate programme.
- VII) **“Controller of Examinations”** means the authority of the College who is responsible for all activities related to the End Semester Examinations.
- VIII) **“University”** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION

- 2.1** Candidates seeking admission to the first semester of the eight semesters B.E. / B.Tech. Degree Programme should comply the following:

He/She should have passed the Higher Secondary Examinations of (10 +2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four courses of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

He/She should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

(OR)

He/She should possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or any other authority accepted by the Syndicate of the University as equivalent thereto.

2.2 LATERAL ENTRY ADMISSION

(i) The candidates who possess the Diploma in Engineering / Technology Examinations of the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. in the branch corresponding to his degree awarded.

(OR)

(ii) The candidates who possess the Degree in Science (B.Sc.,) (10+2+3 stream) with Mathematics as a course at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. Moreover, such candidates shall undergo two additional Engineering course(s) in the third and fourth semesters respectively as prescribed by the committee constituted by the Head of the Institution.

3. PROGRAMMES OFFERED

A candidate may be offered admission to a programme in any one of the branches of study approved by AICTE, and offered by the college.

Details of the programmes currently offered by the institution are listed below.

B.E.DEGREE PROGRAMMES:

- | | | |
|-----|------|---|
| 1. | B.E | Aeronautical Engineering |
| 2. | B.E | Agriculture Engineering |
| 3. | B.E | Automobile Engineering |
| 4. | B.E | Biomedical Engineering |
| 5. | B.E | Civil Engineering |
| 6. | B.E | Civil Engineering & Planning |
| 7. | B.E | Computer Science and Engineering |
| 8. | B.E | Electrical and Electronics Engineering |
| 9. | B.E. | Electronics & Communication Engineering |
| 10. | B.E. | Electronics and Instrumentation Engineering |
| 11. | B.E. | Mechanical Engineering |
| 12. | B.E | Mechanical and Automation Engineering |
| 13. | B.E. | Mechatronics |

B.TECH. DEGREE PROGRAMMES:

- | | | |
|-----|--------|------------------------|
| 14. | B.Tech | Information Technology |
|-----|--------|------------------------|

4. STRUCTURE OF PROGRAMMES

4.1 Every Programme will have a suggested curriculum with syllabi comprising of theory and practicals that shall be categorized as follows:

- (i) Humanities and Social Sciences (HS) courses include Technical English, Engineering Ethics and Human Values, Communication Skills, etc.,
- (ii) Basic Sciences (BS) Courses include Mathematics, Physics, Chemistry, Biology etc.,
- (iii) Engineering Sciences (ES) courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc.,
- (iv) Professional Core (PC) courses include the core courses relevant to the chosen specialization/branch.
- (v) Professional Elective (PE) courses include the elective courses relevant to the chosen specialization/branch
- (vi) Open Elective (OE) courses include the courses relevant to the chosen specialization/branch which a student can choose from the curriculum of other programmes and also courses offered by the Departments under the Faculty of Science and Humanities.
- (vii) Employment Enhancement Courses (EEC) include Employability Skills, Workshop Practice, Computer Practice, Engineering Graphics, Laboratory work, Industrial training/ Implant Training, Seminar presentation, Project work, Educational tours, Camps, Career Development Programmes, etc.
- (viii) Non – academic credits like NCC / NSS / NSO / YRC / RRC & AOD such as Music Club / Dance Club / Literary and Science Club etc.,

4.2 The suggested curriculum of a semester shall normally have a combination of 5 or 6 Theory Courses and 4 or 3 Practical courses respectively. Employability Enhancement Courses may also be included. Furthermore, each course is assigned certain number of credits based on the following:

Contact hours Per Week	Credits
1 Lecture hour	1
1 Tutorial hour	1
2 Practical hours (Laboratory / Seminar/ Project Work etc.)	1
Industrial training / Internship	
1 week	1
2 weeks	2
3 weeks	3

4.3 ONE CREDIT COURSES

Students can also choose one credit industry oriented courses for a minimum of 15 hours duration, which will be offered by the experts from an industry on specialized topics apart from the prescribed courses of study of the programme. Students can enroll such one credit courses after the completion of the 4th semester as and when these courses are offered in the concerned Programme. A student can register a maximum of 3 number of one credit courses and successfully complete during the

above period. The Dean / Head of the Department and industry expert shall decide the name and syllabi of the one credit course. End semester examination is to be conducted by the department.

The Internal Marks shall be awarded as detailed below:

Description	Marks for UG programme
Internal Tests	1 X 25 = 25
Assignment/Viva	25
Total	50

4.4 SELF STUDY COURSES

The students can choose for self study course under the CBCS regulations. The students shall study on their own; no formal lectures need be delivered.

The eligibility condition for registering self study courses are:

- i CGPA should be greater than or equal to 8.0 up to IV semester.
- ii No standing arrears
- iii Professional Elective courses/ Special Course other than prescribed in the curriculum, for 3 credits can be selected
- iv One faculty member assigned by Dean / Head of the Department shall be responsible for the monitoring and evaluating students who have registered the course.

4.5 ONLINE COURSES

Students may be permitted to register online courses (which are provided with certificate) with the approval of Dean / Head of Department and Controller of Examinations subject to a maximum of 3 credits.

One faculty member assigned by Dean / Head of the Department shall be responsible for the monitoring and evaluating students who have registered the course.

4.6 A candidate can drop one professional elective, if he / she earns 3 credits from the following:

- (i) Online course - 3 credits
- (ii) Self study course - 3 credits
- (iii) Three number of one credit courses - 3 credits

5. DURATION OF THE PROGRAMME

5.1 A student is usually expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 14 Semesters for HSC candidates and not more than 12 semesters for Lateral Entry Diploma / B.Sc. Candidates, if any.

5.2 Each semester shall normally consist of 540 working periods. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods / hours specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course.

- 5.3** The Dean / Head of Department with the permission from Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement or writing the end semester examinations (as per clause 7) by the students, 90 working days duration within the specified academic schedule alone shall be taken into account.
- 5.4** The end semester examination will follow after the last working day of the semester as per academic schedule prescribed by the College from time to time.
- 5.5** The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 20.3) in order that he/she may be eligible for the award of the degree (vide clause 16).

5.6 NORMS FOR MINIMUM AND MAXIMUM CREDITS

Normally all students shall register for 24 credits in a semester, except in VIII semester. However, the minimum number of credits to be registered in a semester is 18 except in VIII semester and the maximum number of credits to be registered in a semester is 30. The minimum residential requirement for UG programmes will be 7 semesters.

For the award of the degree a student should earn a minimum number of credits in the B.E /B.Tech programme as given in Annexure I.

6. COURSE ENROLLMENT AND REGISTRATION

- 6.1** Each student, on admission shall be assigned to a Tutor (vide clause 8) who shall advice and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objective.
- 6.2** Every student shall enroll for the course of the succeeding semester in the current semester.
- 6.3** The enrollment for the courses will commence 10 working days prior to the last working day of the preceding semester. The student shall enroll for the courses with the guidance of the student's Tutor.
- 6.4** After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn continuous assessment marks and appear for the end semester examinations.
- 6.4.1** Each student on admission shall register for all the courses prescribed in the curriculum in the student's first semester of study.
- 6.4.2** The project phase –I & phase –II registration should be done in VII & VIII semesters respectively.

6.5 FLEXIBILITY TO ADD AND DROP COURSES.

- 6.5.1** A student has to earn the total number of credits specified in the curriculum of the respective programme of study in order to be eligible to obtain the degree. However,

if a student wishes, he/she is permitted to earn more than the minimum number of credits prescribed in the curriculum.

- 6.5.2** From the III to VIII semesters, the student has the option of registering for one additional theory course(s) or dropping one existing theory course(s) with a credit of 3 after the approval of Dean / Head of the Department. However, the maximum number of credits the student can register in a particular semester cannot exceed 30 credits. The minimum number of credit per semester is 18.
- 6.5.3** The eligible condition for registering add courses are,
- (i) No standing arrear
 - (ii) Pre-requisite should be satisfied and applicable only for theory courses.

7. REQUIREMENTS FOR COMPLETION OF THE SEMESTER

A student who has fulfilled the following conditions (vide clause 7.1 and 7.2) shall be deemed to have satisfied the attendance requirements for appearing for end semester examination of a particular course.

- 7.1** Ideally every student is expected to attend all periods and earn 100% attendance. However, the student shall secure not less than 75% attendance course wise, taking into account the number of periods required for that course as specified in the curriculum.
- 7.2** If a student secures attendance between 65% and less than 75% in any course in the current semester 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 Head of the Institution, the student shall be given exemption from the prescribed attendance requirement and the student shall be permitted to appear for the end semester examination of that course. In all such cases, the students should submit the required documents on joining after the absence to the Head of the Institution through the Dean / Head of Department.
- 7.3** A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements (vide Clause 7.1 – 7.2) and has registered for examination in those courses of that semester by paying the prescribed fee.
- 7.4** Students who do not satisfy clause 7.1 and 7.2 and who secure less than 65% attendance in a course will not be permitted to write the End-Semester Examination of that course. The student has to register and repeat this course when it is offered next, attend the classes and fulfill the attendance requirements as per clause 7. If the course, in which the student has lack of attendance, in a Professional Elective or an Open Elective, the student may register for the same or any other Professional Elective or Open Elective course respectively in the subsequent semesters.
- 7.5** For calculating attendance to write the End semester examinations by the student, the following method shall be used.

$$\% \text{ of Attendance} = \frac{\text{Total no. of periods attended in each course per semester}}{\text{(No. of periods / week as prescribed in the curriculum)} \times 15} \times 100$$

8. TUTOR

To help the students in planning their courses of study and for general advice on the academic programme, the students will be attached with a teacher of the Department who shall function as Tutor for those students. Such Tutor shall advise the students and monitor the courses undergone by the students, check the attendance and progress of the students attached and counsel them periodically. If necessary, the Tutor may also discuss with or inform the parents about the progress of the students.

9. CLASS COMMITTEE

- 9.1** The class committee for a class under a particular branch is normally constituted by the Dean / Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the Head of the Institution.
- 9.2** The class committee shall be constituted within the first week of each semester.
- 9.3** At least 6 student representatives (usually 2 above average, 2 average and 2 below average students) shall be included in the class committee.
- 9.4** The chairperson of the class committee may invite the Class adviser/Tutor and the Dean / Head of Department to the class committee meeting.
- 9.5** The Head of the Institution may participate in any class committee meeting of the Institution.
- 9.6** The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.
- 9.7** The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning process.
- 9.8** Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the** Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include solving problems experienced by students in the class room and in the laboratories & facilities..
- ❖ Clarifying the regulations of the degree programme and the details of rules therein particularly clause 5, 6 and 7 which should be displayed on college/ department Notice-Board.
 - ❖ Informing the academic schedule including the dates of assessments and the syllabus coverage for each assessment.

- ❖ Informing the Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students.
- ❖ Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- ❖ Identifying the slow learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such slow learners.

10. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group shall have a “Course Committee” comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the course Coordinator shall be made by the Dean / Head of the Department / Head of the Institution. The ‘Course committee’ shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s).

11. SYSTEM OF EXAMINATION

- 11.1** Performance in each course of study shall be evaluated based on
- (i) Continuous internal assessment throughout the semester and
 - (ii) End semester examination.
- 11.2** Each course, both theory and practical (including project work & Viva voce Examinations) shall be evaluated for a maximum of 100 marks.
- 11.2.1** For all theory and practical courses including project work, the continuous internal assessment will carry 50 marks while the end semester examination will carry 50 marks. Project work may be allotted to a single student or to a group of students not exceeding 4 per group.
- 11.3** The end semester examination (theory and practical) of 3 hours duration shall usually be conducted in November / December during the odd semesters and in April / May during the even semesters.
- 11.4** The end semester examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner and an internal examiner.
- 11.5** For the end semester laboratory examinations, the internal and external examiners shall be appointed by the Controller of Examinations / Head of the Institution.
- 11.6** Supplementary end semester examinations may be conducted for the students having only one arrear in VIII semester after declaration of revaluation results.

The detailed schedule and the procedure will be intimated by Controller of Examinations in consultation with Head of the Institution whenever required.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory and practical courses, the continuous assessment shall be for a maximum of 50 marks. The above continuous assessment shall be awarded as per the procedure given below:

12.1. (a) THEORY COURSES

Marks shall be awarded as detailed below:

Description	Marks for UG programme
Internal Tests**	2x20 = 40 marks
Quiz*	10*
Total	50

* One examination of duration 60 minutes comprising of 60 multiple choice questions will be conducted after each IA test. The question paper will consist of 10 questions per course. The average marks obtained in two quizzes will be the mark for the quiz.

** Two tests shall be conducted during the semester. For the benefit of students who were on O.D / approved Leave on genuine grounds for any test, retest will be conducted with the approval of Dean / Head of Department/Head of the Institution.

(b) PRACTICAL COURSES:

Every practical exercise / experiment shall be evaluated based on the exercise / experiment prescribed as per the syllabi and the records of work done. There shall be at least one model test during the semester. The criteria for arriving at the internal assessment marks (50 marks) shall be given as: Average marks in the observation and record shall be reduced to 25 and the Model test mark shall be reduced to 25.

12.2 PROJECT WORK:

The Dean / Head of Department shall constitute a review committee for each branch of study. There shall be three reviews (each 100 Marks) during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced to 50 marks and rounded to the nearest integer as mentioned below.

12.2.1 The project report shall carry a maximum of 40 marks (same mark shall be awarded for the report submitted to every student within the project group) while the viva-voce examination shall carry 60 marks. (Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination).

Internal Assessment			End semester Examinations				
Review I	Review II	Review III	Report Evaluation (40)		Viva-Voce (60)		
15	15	20	Int	Ext	Int	Ext	Guide
			20	20	20	20	20

12.3 ONE CREDIT COURSES

Steps involved in assessment of one credit courses

- Step1: Each batch shall consist of 10 to 30 students.
 Step2: The course teacher shall give assignments and conduct internal test 1 & 2 and viva voce.
 Step3: The end semester examination shall be conducted and the evaluation will be done by the subject expert and same industry expert as below

End semester examination (for one and a half hours)	50 marks
Proposed frame work for question paper and marks distribution	
Objective type questions (20 x 1 mark)	20 marks
Application oriented questions (3 x 10 marks)	30 marks

The exam is to be conducted at the end of the course. Passing criteria is 50% (that is, 25 marks out of 50 marks). If the student passes the course, it will be indicated in the grade sheet. If the student fails to pass the course, the one credit course will not get reflected in the grade sheet. There is no arrear exam, revaluation etc., for one credit courses.

12.4 ONLINE COURSE

The Dean / Head of the Department may identify a faculty member as coordinator for the course, who is responsible for evaluation process. The credits earned through online mode, may be transferred and grades shall be assigned by a committee consisting of Dean / Head of Department and a senior faculty member.

12.5 SELF STUDY COURSE

The faculty member approved by the Dean / Head of Department shall be responsible for periodic monitoring and evaluation of the course. The course shall be evaluated through continuous assessment and end Semester examination as per regulation.

- 12.6 Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Dean / Head of Department periodically (at least once in a fortnight) for checking the syllabus coverage and the records of test marks and attendance for regular monitor process. The records should be verified by the Head of the Institution / his nominee. All

documents should be kept in the safe custody of the DEAN / HEAD OF DEPARTMENT for a period of 5 years.

12.7 QUESTION PAPER PATTERN

The question paper pattern for the theory examinations is given below:

INTERNAL ASSESSMENT TEST

Duration – 1 1/2 hours,	Maximum marks – 50 marks
Section A: Multiple choice questions	(5 x 1 = 5 marks)
Section B: Short answer questions	(5 x 2= 10 marks)
Section C: Consists of two either or 14 marks questions from each unit	(2 X 14 = 28marks)
and one 7 marks either or question	(1 x 7 = 7 Marks)

END SEMESTER EXAMINATIONS

Duration – 3 hours,	Maximum marks – 100 marks
Section A: Multiple choice questions	(10 x 1=10 marks)
Section B: Short answer questions	(10x 2= 20 marks)
Section C:	(5 X 14 = 70 marks)
Section C consists of five questions	(one either or question from each unit)

13. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATIONS

A candidate shall normally be permitted to appear for the end semester Examinations of any semester commencing from I semester if he/she has satisfied the semester completion requirements (subject to Clause 7) and has registered for examination of all courses of the semester. Registration is mandatory for semester examinations as well as arrear examinations, failing which the candidate will not be permitted to move to the higher semester.

A candidate who has already appeared for any course in a semester and passed the examination is not entitled to reappear in the same course for improvement of grades / marks.

14. PASSING REQUIREMENTS

14.1 A candidate who secures not less than 50% of total marks (Internal and External Marks) prescribed for the courses shall be declared to have passed the Examination, provided that the marks earned in the end semester examinations in theory, practical courses and project work is not less than 45% of the marks.

14.1.1 If a candidate fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination in that course during the subsequent semester when examination is conducted in that course; he/she should continue to register and reappear for the examinations in the failed courses till he / she secures a pass.

14.1.2 The internal assessment marks obtained by the candidate in the first appearance shall

be retained and considered valid for all subsequent attempts till the candidate secure a pass. However, from the 3rd attempt onwards if a candidate fails to obtain pass marks (IA + End Semester Examination) as per clause 14.1 then the passing requirement shall be as that, the candidate should secure at least 50% in the end semester examinations itself and internal assessment marks will not be considered.

15. AWARD OF LETTER GRADES

15.1.1 All assessments of a course will be done on absolute grading system. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each course as detailed below:

Letter grade	Grade Points	Marks Range
O	10	90–100
A	9	80 – 89
B+	8	70 – 79
B	7	60 – 69
C	6	55 – 59
P	5	50 – 54
RA	0	< 50
I	0	
W	0	

“RA” denotes Reappearance is required for the examination in the course. (This grade will figure both in Marks Sheet as well as in Result Sheet)

“W” denotes withdrawal from the course.

The Grade “I” denotes inadequate attendance (as per clause 12) and hence prevention from writing the end semester examination. The Grade “I” and “W” will figure only in the Result Sheets.

15.1.2 Grade Sheet

After results are declared, Grade Sheets will be issued to each student which will contain the following details

- ❖ Name of the College, Department, Programme of study etc.,
- ❖ Name and Photo of the student
- ❖ The list of courses enrolled during the semester and the grade scored.
- ❖ The Grade Point Average (GPA) for the semester and
- ❖ The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA will be calculated when a candidate passed all the courses registered during the current semester.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

$$\text{GPA} = \frac{\text{Sum of [Credits acquired x Grade points]}}{\text{Sum of Credits acquired}}$$

CGPA will be calculated in a similar manner, considering all the courses registered from first semester.

$$\text{CGPA} = \frac{\sum_{i=1}^n C_i \text{GP}_i}{\sum_{i=1}^n C_i}$$

where C_i – is the Credits assigned to the course

GP_i – is the point corresponding to the grade obtained for each course

n – is number of all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

15.1.3 If a student studies more number of electives (PE/OE) than required as per the student's programme curriculum, the courses with higher grades alone will be considered for calculation of GPA / CGPA.

15.1.4 The credits earned through the Career Development Programme (CDP) I – VI is not considered for the calculation of GPA / CGPA.

15.2 PHOTOCOPY

- ❖ A candidate can apply for getting photo copy of the answer paper in a theory course within one week from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Dean / Head of Department.
- ❖ The Controller of Examination will arrange for the issue of the photo copy of the answer sheet to the candidate concerned through the Dean / Head of Department.

15.3 REVALUATION

A candidate can apply for revaluation of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Dean/Head of the Department. A candidate can apply for revaluation of answer scripts for not exceeding 5 courses at a time. The Controller of Examination

will arrange for the revaluation and the results will be intimated to the candidate concerned through the Dean / Head of Department. Revaluation is not permitted for practical courses, seminars, practical training, CDP and project work.

15.4 CHALLENGE OF EVALUATION:

Challenging the revaluation is also permitted, by the authorities on payment of additional fees as per the norms.

16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the award of the degree if he/she has

- ❖ Successfully gained the required number of total credits as specified under Annexure I, within stipulated time.
- ❖ Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the courses prescribed in all the 8 semesters within a maximum period of 8 years reckoned from the commencement of the first semester to which the candidate was admitted.
- ❖ Successfully passed any additional courses prescribed in case of transferred candidates.
- ❖ No disciplinary action is pending against him/her.
- ❖ The award of the degree must be approved by the Syndicate of University.
- ❖ Successfully completed any additional courses prescribed by the authorities whenever any candidate is readmitted under Regulations other than R-2016 (clause 20.2).

17. CLASSIFICATION OF THE DEGREE AWARDED

- 17.1** A candidate who qualifies for the award of the degree (vide clause 16) having passed the examination in all the courses in his/her first appearance within the specified minimum number of semesters securing a CGPA of not less than 8.50 shall be declared to have passed the examination in First Class with Distinction. For this purpose the withdrawal from examination (vide clause 18.4) will not be construed as an appearance. Further, the authorized break of study (vide clause 19.3) will not be counted for the purpose of classification.
- 17.2** A candidate who qualifies for the award of the degree (vide clause 16) having passed the examination in all the courses within the specified minimum number of semesters plus one year (two semesters), securing a CGPA of not less than 6.50 shall be declared to have passed the examination in First Class. Further, the authorized break of study (vide clause 20.3) will not be counted for the purpose of classification.
- 17.3** All other candidates (not covered in clauses 17.1 and 17.2) who qualify for the award of the degree (vide Clause 16) shall be declared to have passed the examination in Second Class.

17.4 A candidate who is absent in semester examination in a course / project work after having enrolled for the same shall be considered to have appeared in that examination for the purpose of classification. (Subject to clause 18 and 20).

18. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

18.1 A candidate may for valid reasons and on prior application, be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination.

18.2 Such withdrawal shall be permitted only once during the entire period of study of the degree programme.

18.3 Withdrawal application is valid only if it is made within 10 days prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

18.3.1 Notwithstanding the requirement of mandatory ten days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

18.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction. This provision is not applicable to those who seek withdrawal during VIII semester.

18.5 Withdrawal from the End semester examination is not applicable to arrears subjects of previous semesters.

18.6 The candidate shall appear for the withdrawn courses during the examination conducted in the subsequent semester.

19. INDUSTRIAL VISIT

Every student is required to undergo at least one Industrial visit. Class Advisors / Tutors shall make arrangements for the industrial visit.

20. PROVISION FOR AUTHORISED BREAK OF STUDY

20.1 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Controller of Examinations in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Dean / Head of Department stating the reasons therefore and the probable date of rejoining the programme.

- 20.2** The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Regulations in force at the time of rejoining.
- 20.2(i)** The students rejoined in any of the semesters are required to gain the stipulated number of credits in order to become eligible for the award of degree, under NEW Regulations.
- 20.2(ii)** If any shortage of credits is observed cumulatively till the semester in which he / she is readmitted, then the student (through the Dean / Head of Department) shall apply to the Controller of Examinations for prescribed additional courses, if any, at the beginning of the readmitted semester itself, so as to compensate for the shortage of the credits.
- 20.3** The authorized break of study (for a maximum of one year) will not be counted for the duration specified for passing all the courses for the purpose of classification. (Vide Clause 17.1 & 17.2). However, additional break of study granted will be counted for the purpose of classification.
- 20.4** The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 20.3) in order that he/she may be eligible for the award of the degree.
- 20.5** If any student is detained for want of required attendance, the period spent in that semester shall not be considered as permitted 'Break of Study' (Clause 19.3) is not applicable for this case.

21. NON - ACADEMIC CREDIT

All students shall enroll in any of the following character development program and earn at least one non academic credit by undergoing 24 hours of training / participation in any one of the following programs.

National Cadet Corps (NCC)
National Service Scheme (NSS)
National Sports Organization (NSO)
Youth Red Cross (YRC)
Red Ribbon Club (RRC)
Aero Modeling Club
Dance Club and Music Club
Entrepreneurship Development Cell
Literary and Science Club etc.,

The training activities will normally be after class hours during weekends, and during vacation period. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily.

22. DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the College. The Head of the Institution shall constitute an enquiry committee consisting of Dean/ Head of department. The findings of the enquiry committee will be sent to the disciplinary committee which will consist of all Dean/Head of the department / Grievance Redressal Committee (GRC) as the case may be. The recommendations of the committee will be sent to the Head of the Institution for approval.

In case of any serious disciplinary action which leads to suspension or dismissal then special committee shall be constituted by the Head of the Institution for taking final decision.

If a student indulges in malpractice in any of the end semester / internal examination, he / she shall be liable for punitive action as prescribed by the college from time to time.(Annexure II)

23. REVISION OF REGULATIONS

The College may from time to time revise, amend or change the Regulations, Scheme of Examinations and syllabi if found necessary through the Academic Council.

ANNEXURE- I
DETAILS OF TOTAL MINIMUM CREDITS

S.No	BRANCH	TOTAL MINIMUM CREDITS NEEDED FOR SUCCESSFUL COMPLETION OF DEGREE
1	B.E Aeronautical Engineering	184
2	B.E Agriculture Engineering	183
3	B.E Automobile Engineering	184
4	B.E Biomedical Engineering	185
5	B.E Civil Engineering	184
6	B.E Civil Engineering & Planning	184
7	B.E Computer Science and Engineering	182
8	B.E Electrical and Electronics Engineering	183
9	B.E Electronics & Communication Engineering	184
10	B.E Electronics and Instrumentation Engineering	180
11	B.E Mechanical Engineering	182
12	B.E Mechanical and Automation Engineering	183
13	B.E. Mechatronics	183
14	B.Tech Information Technology	183

ANNEXURE- II
POLICY ON MALPRACTICES

All instances of malpractices will be forwarded to the Head of the Institution / Chief Superintendent. The offences will be investigated by a Standing Enquiry Committee constituted by Head of the Institution, The committee is to summon and give the student an opportunity to present/ place his / her case. The Committee may also summon anybody else, if it so deems necessary for the conduct of Enquiry, in the interest of proper investigation and dispensation of the case. The committee will have tenure for the complete Academic year.

The Committee is to be guided by the following:

1. The seriousness of the malpractice, in terms of deviousness, and culpability / criminality of motive
2. The seriousness in terms of effort and degree of deviousness and culpability / criminality of effort
3. Any FIR / Police case that has been registered in the first instance by the Head of the

Institution / Chief Superintendent.

4. Any other special consideration either mitigating or to the contrary

PENALTY FOR OFFENCES

The enquiry report with findings and recommendations of the Committee are to be forwarded to the Controller of Examinations who will undertake necessary follow up action.

GUIDELINES FOR AWARDING PUNISHMENTS TO MALPRACTICE CASES OF STUDENTS

Sl.No	Nature of Malpractice	Maximum Punishment
1.	Appeal by the candidate in the answer script to show mercy by way of awarding more than deserving marks.	Fine of Rs.1000/- per subject.
2.	The candidate writing his/her name in the answer script.	
3.	The candidate writing his/her registration number/college name in places other than specified in the answer script.	
4.	Any special marking in the answer script by the candidate.	
5.	The candidate communicating with neighbouring candidate orally or non-verbally; the candidate causing suspicious movement of his/her body.	
6.	Irrelevant writing by the candidate in the answer script.	
7.	The Candidate writing answer on his/her question paper or making use of his/her question paper for rough work.	
8.	The candidate possessing of cell phones/programmable calculator(s)/any other electronic storage device(s),gadgets	Invalidating the examination of the particular subject written by the candidate
9.	The candidate facilitating the other candidate(s) to copy from his/her answers script.	
10.	The candidate possessing any incriminating material(s) (whether used or not). For example:- Written or printed material, bits of papers containing written information, writings on scale, calculator, handkerchief, dress, part of the body, Hall Ticket, etc.	Invalidating the examinations of the subject concerned and all the theory and the practical subjects of the current semester registered by the candidate.
11.	The candidate possessing cell phone(s)/programmable calculator(s)/any other electronic storage device(s) gadgets and containing incriminating materials (whether used or not)	
12.	The candidate possessing the question paper of another candidate with additional writing on it.	
13.	The candidate passing his/her question paper to another candidate with additional writing on it.	Further the candidate is not considered for revaluation of answer scripts of the arrear subjects.
14.	The candidate passing incriminating materials brought into the examination hall in any medium (hard/soft) to other candidate(s).	
15.	The candidate copying from neighbouring candidate.	If the candidate has registered for the arrears subjects only, invalidating the examinations of all the arrear subjects registered by the candidate.
16.	The candidate taking out of the examination hall answer booklet(s), used or unused.	
17.	Appeal by the candidate in the answer script coupled with a promise of any form of consideration.	Invalidating the examinations of the subject concerned and all the theory and practical subjects of the current semester registered by the candidate. Further the candidate is not considered for revaluation of answer scripts of the arrear subjects. If the candidate has registered for arrears
18.	Candidate destroying evidence relating to an alleged irregularity.	

		<p>subjects only, invalidating the examinations of all the arrears subjects registered by the candidate.</p> <p>(i) If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for one year (i.e.), for two subsequent semesters. However, the student is permitted to appear for the examination in all the arrears subjects during the debarred period.</p> <p>(ii) If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears subjects for two subsequent semesters.</p>
19.	Vulgar/offensive writings by the candidate in the answer Script.	Invalidating the examinations of all the theory and practical subjects of the current semester and all the arrears subjects registered by the candidate.
20.	The candidate possessing the answer script of another candidate.	
21.	The candidate passing his/her answer scripts to another candidate.	
22.	The candidate substituting an answer booklet prepared outside the examination hall for the one already distributed to the candidate.	Invalidating the examinations of all the theory and practical subjects of the current semester and all the arrears subjects registered by the candidate.
23.	Involved in any one or more of the malpractices of serial no.8 to 21 for the second or subsequent times.	
24.	The candidate misbehaving in the examination hall.	<p>Additional Punishment:</p> <p>(i) If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for one year (i.e.), for two subsequent semesters. However the student is permitted to appear for the examination in all the arrears subjects during the debarred period.</p> <p>ii) If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears subjects for two subsequent semesters.</p>
25.	The candidate indulge in any disruptive conduct including, but not limited to, shouting, assault of invigilator, officials or students using abusive and/or threatening language ,destruction of property.	Invalidating the examinations of all the theory and practical subjects of the current semester and all the arrears subjects registered by the candidate.
26.	The candidate harass or engage others to harass on his/her behalf an invigilator, official, witnesses or any other person in relation to an irregularity by making telephone calls, visits mails or by any other means.	
27.	Candidate possessing any fire arm/weapon in side the examination hall.	<p>Additional Punishment:</p> <p>(i) If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for two years (i.e.), for four subsequent semesters. However the student is permitted to appear for the examination in all the arrears subjects during the debarred period.</p> <p>ii) If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears subjects for four subsequent semesters.</p>
28.	Cases of Impersonation.	<p>(i) Handing over the impersonator to the police with a complaint to take appropriate action against the person involved in the impersonation by the Chief Superintendent.</p> <p>(ii) If a student of this College is found to</p>

		<p>impersonate a 'bonafide student', the impersonating student is debarred from continuing his/her studies and writing the examinations permanently. He/she is not eligible for any further admission to any programme of the College.</p> <p>(iii) Debarring the 'bonafide student' for whom the impersonation was done from continuing his/her studies and writing the examinations permanently. . He/she is not eligible for any further admission to any programme of the College.</p>
--	--	--

ADDITIONAL AND AMENDED REGULATIONS AS APPROVED IN 5TH ACADEMIC COUNCIL MEETING HELD ON 28.10.2017.

4.2 The suggested curriculum of a semester shall normally have a blend of 5 or 6 Theory Courses and 4 or 3 Practical courses respectively. Employability Enhancement Courses may also be included. Each course is assigned certain number of credits based on the following:

Contact hours Per Week	Credits
1 Lecture hour	1
2 Tutorial hour	1
2 Practical hours (Laboratory / Seminar/ Project Work etc.)	1
Industrial training / Internship	
1 week	1
2 weeks	2
3 weeks	3

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory and practical courses, the continuous assessment shall be for a maximum of 50 marks. The above continuous assessment shall be awarded as per the procedure given below:

12.1. (a) THEORY COURSES

Marks shall be awarded as detailed below:

S.No	Item	Marks	Remarks
1.	Internal Assessment Tests	30	Best two out of Three IA Tests 2*15 = 30
2.	Daily Test	10	Daily Test (Best 50% of Daily Test Conducted)
3.	Assignment/Presentation/ Project/Innovative work	10	Left to the discretion of the course faculty

	/Attending conference, workshop & Seminar/ online Courses/ Case Study, etc.		member (Evidence is must)
Grand Total		50	

(c) THEORY COURSES WITH LABORATORY COMPONENT:

The courses having LTPC structure 3024, the scheme of evaluation is as follows,

S.No	Item	Marks	Remarks
1.	Internal Assessment Tests	30	Best two out of Three IA Tests 2X15 = 30
2.	Model Practical Exam	20	Daily Test (Best 50% of Daily Test Conducted)
Grand Total		50	

The End semester examination (Theory) is to be conducted at the end of the course.

14. PROCEDURE FOR REAPPEARENCE

14.1.2 (a) : If a student fails to secure a pass in a theory course, the student shall do reappearance registration for that course in the subsequent semester, when offered next, earn continuous assessment marks and attend the end semester examination.

14.1.2.(b) : If a student's fails to secure a pass in a practical course, the student shall be permitted to reappear in end semester practical exam, when offered next, if he/she had obtained the bonafide certificate from the concerned practical course faculty.

14.1.2 (c) : If the student has failed, in a professional elective or an open elective, the student may be permitted to register for the same or any other Professional elective or elective course in the subsequent semesters, he/she has to attend the classes and fulfill the attendance requirements.

15. READMISSION

Equivalence Course Committee of the respective department shall decide on exemption/addition of courses for the student who seeks readmission/transferred from other Institutions/Universities and this has to be ratified by Academic Council.

16. REVISION OF REGULATIONS

The College may revise, amend or change the Regulations, Scheme of Examinations and syllabi if found necessary through the Academic Council.