

ANNA UNIVERSITY : : CHENNAI - 600 025

UNIVERSITY DEPARTMENTS

REGULATIONS 2012

(Common to all B.E. / B.Tech. Degree (8 –Semester)
Full-Time Programmes of University Departments)
(w.e.f. 2012 – 2013)

CREDIT SYSTEM

Degree of Bachelor of Engineering / Bachelor of Technology

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

- I) **“Programme”** means Degree Programme, that is, B.E. / B.Tech. Degree Programme.
- II) **“Discipline”** means Branch or specialization of B.E. / B.Tech. Degree Programme, like Civil Engineering, Information Technology, etc.,
- III) **“Course”** means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, Engineering Graphics, etc.,
- IV) **“Director, Academic Courses”** means the authority of the University who is responsible for all academic activities of the University Departments for implementation of relevant Rules and Regulations.
- V) **“Controller of Examinations”** means the authority of the University who is responsible for all activities of the End semester Examinations of the University.
- VI) **“Head of the Institution”** means the Dean of the campus.
- VII) **“Chairman”** means Head of the Faculty.
- VIII) **“Head of the Department”** means Head of the University Department concerned.
- IX) **“University”** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION PROCEDURE

- 2.1 Candidates for admission to the first semester of the eight semesters B.E. / B.Tech. Degree Programme shall be required to have passed:

- The Higher Secondary Examination of (10 +2) Curriculum (**Regular Academic Stream**) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of the study prescribed under part-III or any other examinations of any University or authority accepted by the Syndicate of the University as equivalent thereto.

(OR)

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

2.2. The eligibility criteria such as marks, number of attempts and physical fitness shall be as prescribed by the Syndicate of the University from time to time.

3. PROGRAMMES OFFERED

A candidate may be offered admission to any one of the programme of study approved by the University and offered at various campuses of the University.

Programmes offered by the University are listed Faculty-wise in the **Annexure - I**

4. STRUCTURE OF THE PROGRAMMES

4.1 Every Programme will have a curriculum with syllabi consisting of theory and practical courses such as:

- General core courses comprising Mathematics, Basic Sciences, Engineering Sciences, Humanities and Management.
- Core courses of Engineering / Technology.
- Elective courses for specialization in related fields.
- Workshop practice, computer practice, engineering graphics, laboratory work, industrial training, seminar presentation, project work, camps etc.

4.2 Each course is normally assigned certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods, 2 credit for 3 or 4 periods of laboratory or practical, 1 credit for 2 periods of seminar or project work per week and 1 credit for 2 weeks, 2 credits for 4 weeks and 3 credits for 6 weeks of industrial training during semester vacations.

4.3 Each semester curriculum shall normally have a blend of lecture courses not exceeding 7 and practical courses not exceeding 4. **However, the total number of courses per semester shall not exceed 10 (including practical).**

4.4 For the award of the degree, a student has to earn the total number of credits specified in the curriculum of the relevant branch of study. (Annexure I).

- 4.5 The medium of instruction is English for all courses (except Tamil Medium batches of B.E. Civil Engineering and Mechanical Engineering programmes) examinations, seminar presentations and project / thesis / dissertation reports.
- 4.6 The medium of instruction is Tamil for Tamil Medium batches of B.E. Civil Engineering and B.E. Mechanical Engineering programmes.

5. DURATION OF THE PROGRAMME

- 5.1 A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 8 years (16 Semesters).
- 5.2 Each semester shall normally consist of 90 working days or 450 periods of 50 minutes each. The Head of the Department 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 being taught.
- 5.3 However, special theory / practical classes may be conducted for students who require additional coaching over and above the number of periods normally specified, as decided by the class committee.

But for the purpose of calculation of attendance requirements for writing the End Semester Examinations (as per clause 6) by the students, only 450 periods per semester conducted within the specified academic schedule communicated by the University alone shall be taken into account.

- 5.4 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 18.1) or period of prevention in order that he/she may be eligible for the award of the degree (vide clause 16).

6. REQUIREMENTS FOR COMPLETION OF A SEMESTER

- 6.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

Ideally every student is expected to attend all classes and earn 100% attendance. However, in order to allow provision for certain unavoidable reasons such as medical / personal grounds / participation in sports, the student is expected to earn a minimum of 75% attendance. Therefore, he/she shall secure not less than 75% of overall attendance in that semester taking into account the total number of periods in all courses attended by the candidate as against the total number of periods in all courses offered during that particular semester.

- 6.2 However, a candidate who could secure attendance between 65% and less than 75% only in one particular 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 Department concerned shall be given exemption from the prescribed attendance requirement and he/she shall be permitted to appear for that particular semester examinations.
- 6.3 Candidates who secure **less than 65%** overall attendance will not be permitted to write the End-Semester Examinations and are not permitted to go to next / subsequent semester. They are required to repeat the incomplete semester in the next academic year.

7. FACULTY ADVISOR

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department of the student will attach a certain number of students to a teacher of the Department who shall function as Faculty Advisor for those students throughout their period of study. Such Faculty Advisor shall advise the students and monitor the courses taken by the students, check the attendance and progress of the students attached to him / her and counsel them periodically. If necessary, the Faculty Advisor may also discuss with or inform the parents about the progress / performance of the students concerned.

7.1 CLASS ADVISOR

There shall be a class advisor for each class. The class advisor will be one among the (course-instructors) of the class. He / She will be appointed by the HoD of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HoD and the students of the respective class.
- To collect and maintain various statistical details of students.
- To help the chairperson of the class committee in planning and conduct of the class committee meetings.
- To monitor the academic performance of the students including attendance and to inform the class committee.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

8. CLASS COMMITTEE

A class committee consists of teachers of the class concerned, student representatives and a chairperson who does not handle any subject for 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 classroom and in the laboratories in consultation with Head of the Department / Dean.
- Clarifying the Regulations of the degree programme and the details of rules therein.
- Informing the student representatives the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives the details of Regulations regarding weightage used for each assessment.
- Discussing in the class committee meeting the breakup of marks for each experiment / exercise / module of work, in case of practical courses (laboratory / drawing / project work / seminar, etc.) and informing the students.
- Analyzing the performance of the students of the class after each test and finding ways and means of improving the performance of the students.
- Identifying the students who are low achievers or weak in their subjects if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

The class committee is normally constituted by the Head of the Department. However, if the students of different branches are mixed in each class the class committee is to be constituted by the Chairman of the Faculty. The class committee shall be constituted within a week from the date of commencement of a semester. At least 4 student-representatives from the respective class (usually 2 boys and 2 girls) shall be included in the class committee. The Chairperson of the class committee may invite the Faculty Advisor(s) and the Head of the Department to the meeting of the class committee. The Chairman of Faculty may also be invited to participate in any class committee meeting. The chairperson of the class committee is required to prepare the minutes of every meeting, submit the same to the Head of the Department within two days of the meeting and arrange to circulate the same among students concerned and teachers. If there are some points in the minutes requiring action by the University the same shall be brought to the notice of the Director, Academic Courses.

The first meeting of the class committee shall be held within fifteen days from the date of commencement of the semester. The nature and weightage of internal assessments shall be decided in the first meeting, within the framework of the Regulations and the same shall be communicated to the students. Two or three subsequent meetings in a semester may be held at suitable intervals. During these meetings the student members representing the entire class, shall meaningfully interact and express their opinions and suggestions of the class students to improve the effectiveness of the teaching-learning process.

9. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group of disciplines, shall have a “Common Course Committee” comprising all the teachers teaching the common course with one of them nominated as Common Course Coordinator. The nomination of the Course Coordinator shall be made by the Faculty Chairman in consultation with Heads of Departments duly approved by the Director, Academic courses, from among the teachers teaching the common course either from a single Department or several Departments. The “Common Course Committee” shall meet as often as possible and ensure uniform evaluation of internal assessments after arriving at a common scheme of evaluation for the tests (subject to clause 10). Wherever feasible, the common course committee shall prepare a common question paper for the test(s) and End Semester Examinations.

10. PROCEDURES FOR AWARDING MARKS FOR INTERNAL ASSESSMENT (IA)

For all B.E. / B.Tech. Programmes, out of 100 marks for each paper the maximum marks for Internal Assessment is fixed as 50 for Theory Courses / Theory Courses with lab components and End Semester Examinations carries 50 marks.

However, internal assessment is for 75 marks for Practical Courses and End Semester Examination carries 25 marks and internal assessment is 60 marks for the Project Work and project report evaluation, viva-voce examination carries 40 marks.

10.1 INTERNAL ASSESSMENT FOR THEORY COURSES:

The maximum marks for Internal Assessment shall be 50 in case of theory courses.

Three assessments, carrying 100 marks each shall be conducted by the Department. At least two out of these three, shall be written tests. If any one of the assessments is not a written test, then, the details of specified mode of assessment proposed shall be finalized in the class committee and informed to the students well in advance. The total marks obtained in all the three assessments should be given equal weightage of 16.66 each and reduced to 50 marks and rounded to the nearest integer.

10.2 INTERNAL ASSESSMENT FOR PRACTICAL COURSES:

The maximum marks for Internal Assessment shall be 75 in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 75 is as follows: 50 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test.

10.3 INTERNAL ASSESSMENT FOR THEORY COURSES WITH LABORATORY COMPONENT:

The maximum marks for Internal Assessment shall be 50 in case of theory courses with laboratory component.

If there is a theory course with laboratory component, there shall be three tests: the first two tests (each 100 marks) will be from theory portion and the third test (100 marks) will be from laboratory portion. The marks of first two tests shall be given equal weightage of 15 marks each and the third assessment shall be 20 marks. The sum of these marks shall be rounded to the nearest integer.

10.4 INTERNAL ASSESSMENT FOR PROJECT WORK:

There shall be two assessments (each 100 marks) during the semester by a review committee. The student shall make presentation on the progress made before the committee. The Head of the Department shall constitute the review committee for each branch of study. There shall be a minimum of three members in the review committee. The guide will be one of the members of the Review Committee. The total marks obtained in the two Reviews shall be 60 marks. There shall be a viva-voce examination for End-Semester Examination conducted by one internal examiner, one external examiner and the guide concerned and the marks for Project Work and the Viva-Voce Examination will be distributed as indicated below.

Continuous Assessment 60 Marks				End Semester Examination 40 Marks			
Review I (30 Marks)		Review II (30 Marks)		Report Evaluation (10 Marks)	Viva – Voce (30 Marks)		
Review Committee (excluding guide)	Guide	Review Committee	Guide	External Examiner	Guide	External Examiner	Internal Examiner
20	10	20	10	10	10	10	10

- 10.4.1 The candidate is expected to submit the project report on or before the last working day of the semester. If a candidate fails to submit the project report on or before the specified deadline, he / she should get an extension of time up to a maximum limit of 30 days for the submission of project work with due approval obtained from the Head of the Department. If he / she fails to submit the project work even beyond the extended time then he / she is deemed to have failed in the Project Work and shall register for the same in the subsequent semester and re-do the project after obtaining permission from the Director, Academic Courses. This applies to all the B.E. / B.Tech. programmes.
- 10.5 Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' for every semester which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (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 test 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 will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may inspect the records of attendance and assessment of both current and previous semesters.

11. EXAMINATIONS

Performance in each course of study shall be evaluated based on (i) Continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

Each course, both theory and practical shall be evaluated for a maximum of 100 marks. The project work shall be evaluated for a maximum of 100 marks.

Project work may be allotted to a single student or to a group of students not exceeding 4 per group.

The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

The University 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, the guide of the project group and an internal examiner.

i) Theory Courses

Internal Assessment : 50 Marks

End-Semester Exams : 50 Marks

ii) Theory Courses with laboratory component

Internal Assessment : 50 Marks

End-Semester Exams : 50 Marks

iii) Practical courses

Internal Assessment : 75 Marks

End-Semester Exams : 25 Marks

iv) Project Work

Internal Assessment : 60 marks

End semester (Project work report Evaluation and viva-voce examination) : 40 marks

11. 1 The Head of the Department with the approval of the Chairman of the Faculty shall appoint Class Advisor, Faculty Advisor, Class Committee Chairperson, Internal and External Examiners and Project Review Committee Members.

12. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATION

A candidate shall normally be permitted to appear for End semester examination of the current semester if he / she has satisfied the semester completion requirements (vide Clause 6) and has registered for examination in all courses of that semester by paying the prescribed fee.

However, for students having arrear courses of the previous semester(s), in order to write the current end semester examination the registration is mandatory for the examination of all the courses of that semester and all arrear courses of the pervious semester(s) by paying the prescribed fee, failing which, the candidates will not be permitted to move to the higher semester.

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

13. PASSING REQUIREMENTS

- 13.1 A candidate who secures not less than 50% of total marks prescribed for the courses (Internal Assessment + End semester examination) with a minimum

of 50% of the marks prescribed for the end-semester Examination in theory, theory with practical components and practical courses (including Project work), shall be declared to have passed in the Examination.

13.1.1 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 next semester when examination is conducted in that course. It is mandatory that he / she should continue to register and reappear for the examination till he / she secures a pass.

13.1.2. 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 secures a pass as per clause 13.1. However, from the 3rd attempt onwards if a candidate fails to obtain pass marks (Internal Assessment + End Semester Examination) as per clause 13.1 then the passing requirement shall be as per clause 13.2.

13.2 The candidate should secure a minimum of 50% marks prescribed for the course in the university END Semester Examination alone.

13.3 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 along with prescribed application to the ACOE through the Head of Departments. The ACOE will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department. Revaluation is not permitted for project work.

14. AWARD OF LETTER GRADES

14.1. All assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a candidate, the letter grades, each carrying certain points, will be awarded as detailed below:

Letter Grade	Grade Points
S	10
A	9
B	8
C	7
D	6
E	5
U	0
W	0

The range of marks for each grade is decided at the respective class committee meetings.

‘U’ denotes Reappearance (RA) is required for the examination in that particular subject (This grade will figure both in Mark Sheet as well as in Result Sheet)

‘W’ denotes withdrawal from the particular course.

‘SA’ denotes shortage of attendance (as per Clause 6) and hence prevented from writing end semester examination. ‘SA’ will appear only in the result sheet.

15 GPA AND CGPA CALCULATION

The Chairperson of the class committee (excluding the student members) shall call for a meeting of the class committee after the end-semester examinations, to pass the results and forward the same to the Controller of the Examinations. After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- the list of courses enrolled during the semester and the grades scored.
- the Grade Point Average (GPA) for the semester and
- the Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

During each semester, the list of courses enrolled and the grades scored in each course are used to compute the Grade Point Average (GPA). GPA is the ratio of the sum of the products of the number of credits of courses registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.

$$\text{GPA} = \frac{\sum_{i=1}^n C_i \cdot GP_i}{\sum_{i=1}^n C_i}$$

where C_i – is the Credits assigned to the course

GP_i – is the grade point corresponding to the letter 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

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester. “RA”, “I” and “W” grades will be excluded for calculating GPA and CGPA.

16 ELIGIBILITY FOR THE AWARD OF DEGREE

- 16.1. A student shall be declared to be eligible for the award of the B.E. / B.Tech. Degree provided the student has
- i) Successfully gained the required number of total credits as specified in the curriculum corresponding to his/her programme within the stipulated time.
 - ii) Successfully completed the course requirements and has passed all the subjects 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.
 - iii) Successfully completed any additional courses prescribed by the Director, Academic Courses whenever, any candidate is readmitted under regulations other than R-2012 (vide clause 18.2)
 - iv) Completed the NCC / NSS / NSO / YRC requirements.
 - v) No disciplinary action pending against the student.
 - vi) The award of Degree must have been approved by the Syndicate of the University.

16.2 CLASSIFICATION OF THE DEGREE AWARDED

16.2.1 FIRST CLASS WITH DISTINCTION:

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

- Should have passed the End semester examination in all the courses of all the eight semesters (six semesters for lateral entry) in his/her First Appearance within four years (three years for lateral entry students). Withdrawal from examination (vide Clause 17) will not be construed as an appearance.
- Should have secured a CGPA of not less than 8.50
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any of the semesters.

One year authorized break of study (if availed of) is permitted in addition to four years for award of First class with Distinction.

16.2.2 FIRST CLASS:

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

- Should have passed the End semester examination in all the courses of all the eight semesters (six semesters for lateral entry) within four years (three

years for lateral entry students). Withdrawal from examination (vide Clause 17) will not be construed as an appearance.

- Should have secured a CGPA of not less than 6.50

One year authorized break of study (if availed of) or prevention from writing End semester examination due to lack of attendance is permitted in addition to four years for the award of First Class.

16.2.3 SECOND CLASS:

All other candidates (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree (vide Clause 16) shall be declared to have passed the examination in **Second Class**.

16.2.4. A candidate who is absent in semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification.

16.3 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 along with prescribed application to the Controller of Examinations through the Head of Department. The Controller of Examination will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department. Revaluation is not permitted for practical courses, Seminar and for project work.

A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

17. PROVISION FOR WITHDRAWAL FROM EXAMINATION:

- 17.1 A candidate may, for valid reasons, (medically unfit / unexpected family situations) be granted permission to withdraw from appearing for the examination in any course or courses in any one of the semester examination during the entire duration of the degree programme. Also only one application for withdrawal is permitted for that semester examination in which withdrawal is sought.
- 17.2 Withdrawal application shall be valid only if the candidate is otherwise eligible to write the examination (Clause 6) and if it is made within TEN days before the commencement of the examination in that course or courses and also recommended by the Head of the Department.
- 17.3 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.

- 17.4 Withdrawal shall not be construed as an appearance for deciding the eligibility of a candidate for First Class with Distinction and First Class.
- 17.5 Withdrawal is NOT permitted for arrears examinations of the previous semesters.

18. AUTHORIZED BREAK OF STUDY FROM A PROGRAMME

- 18.1 A candidate is normally not permitted to temporarily break the period of study. However, if a candidate happens to discontinue the programme temporarily in the middle of duration of study for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme in a later semester he / she shall apply to the Director, Academic Courses in advance, in any case, not later than the last date for registering for the semester in question, through the Head of the Department stating the reasons.
- 18.2 The candidate permitted to rejoin the programme after the break shall be governed by the Curricula and regulations in force at the time of rejoining.
- 18.3 The authorized break of study will not be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 16.2.1 and 16.2.2).
- 18.4 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 in order that he / she may be eligible for the award of the degree (vide clause 16).
- 18.5 If any student is detained for want of requisite attendance, progress and good conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' and Clause 18.3 is not applicable for this case.
- 18.6 In case of any valid reasons for extension of Break of Study, such extended Break of Study may be granted by the approval of the Director, Academic Courses for a period not more than 1 year in addition to the earlier authorized Break of Study. Such extended break of study shall be counted for the purpose of classification of degree (vide clause 16.2).
- 18.7 If the candidate has not reported back to the department, even after the extended Break of Study, the name of the candidate shall be deleted permanently from the college enrollment. Such candidates are not entitled to seek readmission under any circumstances.

19. INDUSTRIAL VISIT / INDUSTRIAL TRAINING

Every student is required to undergo Industrial visits for every semester starting from the third semester of the Programme. Heads of Departments shall take efforts to send the students for at least one industrial visit in a semester.

- The students may undergo industrial training for a total period of 2 – 6 weeks during summer / winter vacation between IV and VI semesters of study.

DURATION OF TRAINING	CREDITS
Industrial Training (2 Weeks)	1
Industrial Training (4 Weeks)	2
Industrial Training (6 Weeks)	3

- At the end of the industrial training if the student accumulates 3 credits as per the above credit allocation, then the 3 credits so gained, can be adjusted against any one of the electives to be studied, in the subsequent V, VI and VII Semesters based on the following procedure:
- The Student can accumulate the credits by undergoing training in each semester starting from IV semester onwards but before the VII semester.
- The student can undergo 6 week training at a stroke or in a distributed schedule during the summer or winter vacation of IV, V and VI semesters.
- Completion of six weeks training is mandatory to claim 3 credits against an elective slot available in the curriculum of V or VI or VII semester of study.
- If the candidate completes 6 week Industrial training during summer / winter vacation of IV / V semester, then the student can register for Industrial Training as an Elective subject during VI semester or VII semester.
- If the student completes 6 week Industrial Training during VI / VII semester winter / summer vacation then the student can register for Industrial Training as one of the elective subjects in the VII semester.

19.1 After registration for the Industrial Training as an elective during VI / VII semester the candidate has to follow the procedure given below:-

The evaluation of training should be made by a three member committee constituted by Head of the Department which consists of Course advisor, faculty coordinating the training programme and faculty member (s).

- a) One seminar presentation should be made by the student based on the Industrial Training and the marks obtained during seminar can be computed as per norms for the internal assessment.
- b) A report on 6 weeks Industrial Training undergone by the student duly attested by a responsible person in the industry in which the student has undergone training and the Head of the Department concerned, shall be

submitted after the completion of training. The evaluation of report and viva voce examination can be computed as per norms for the end semester examination.

- c) For evaluation purpose, this elective industrial training shall be treated as a practical subject.

20. PERSONALITY AND CHARACTER DEVELOPMENT

All students shall enroll, on admission, in any one of the personality and character development programmes (the NCC/NSS/NSO/YRC) and undergo training for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid.

National Cadet Corps (NCC) will have about 20 parades.

National Service Scheme (NSS) will have social service activities in and around the College / Institution.

National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.

Youth Red Cross (YRC) will have activities related to social services in and around college/institutions.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year.

21. DISCIPLINE

Every student is required to observe disciplined and decorous behavior both inside and outside the University and not to indulge in any activity which will tend to bring down the prestige of the University.

If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the university from time to time.

22. REVISION OF REGULATION AND CURRICULUM

The University may from time to time revise, amend or change the Regulations, scheme of examinations and syllabi if found necessary.

ANNEXURE – I

A candidate may be offered one of the following programmes of study approved by the University. A candidate of a programme should earn the credits specified against it to enable him to be eligible to be awarded the degree .

1. FACULTY OF CIVIL ENGINEERING	CREDITS TO BE EARNED
i) B. E. Civil Engineering (Tamil & English Medium)	182
ii) B. E. Geoinformatics Engineering	181
iii) B. E. Agricultural and Irrigation Engineering (SS)	181
2. FACULTY OF MECHANICAL ENGINEERING	
i) B. E. Aeronautical Engineering	180
ii) B. E. Automobile Engineering	179
iii) B. E. Industrial Engineering	183
iv) B. E. Manufacturing Engineering	183
v) B. E. Mechanical Engineering (Tamil & English Medium)	183
vi) B. E. Mining Engineering	185
vii) B. E. Printing Technology	182
viii) B. E. Production Engineering	179
ix) B. E. Material Science and Engineering (SS)	182
3. FACULTY OF ELECTRICAL ENGINEERING	
i) B. E. Electrical and Electronics Engineering	180
ii) B. E. Electronics and Instrumentation Engineering (Regular & SS)	175
4. FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING	
i) B. E. Computer Science and Engineering (Regular & SS)	180
ii) B. E. Electronics and Communication Engineering (Regular & SS)	179
iii) B. Tech. Information Technology (SS)	178
iv) B. E. Biomedical Engineering (SS)	179

5. FACULTY OF TECHNOLOGY

i)	B. Tech. Chemical Engineering (Regular & SS)	185
ii)	B. Tech. Textile Technology	176
iii)	B. Tech. Leather Technology	176
iv)	B. Tech. Industrial Bio-Technology (Regular & SS)	178
v)	B. Tech. Ceramic Technology (SS)	176
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* SS represents Self-Supporting programmes.

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