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Regulations 2017



GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

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

Krishnagiri - 635 104, Tamilnadu

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GOVERNMENT COLLEGE OF ENGINEERING, BARGUR -635 104

REGULATIONS 2017

CHOICE BASED CREDIT SYSTEM

COMMON TO ALL POST GRADUATE PROGRAMMES

(For the students admitted to M.E. (Full - Time), from the Academic year 2017-2018 and onwards)

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In this regulation, unless the context otherwise specifies:

- I. "Programme"** means M.E. Degree Programme.
- II. "Specialisation"** means a discipline of the Post Graduate Degree Programme like Power Electronics and Drives, Applied Electronics, etc.
- III. "Course"** means a Theory or Practical subject that is normally studied in a semester, like Applied Mathematics for Electrical Engineers, DC drives, soft computing, etc.
- IV. "Principal & Chairman"** means the authority of the Institution who is responsible for all academic activities for the implementation of relevant rules and regulations.
- V. "Controller of Examinations"** means the Authority of the Institution who is responsible for all activities of the End Semester Examinations of the Institution.
- VI. "Head of the Department"** means Head of the Post Graduate Department concerned.
- VII. "University"** means ANNA UNIVERSITY, Chennai.

2. ADMISSION PROCEDURE

- 2.1** Students for admission to the first semester of the Post Graduate Degree Programme shall be required to have passed an appropriate qualifying Degree Examination of Anna University or any examination of any other University or authority approved by the Directorate of Technical Education and Anna University, Chennai as equivalent thereto.
- 2.2.** Eligibility conditions for admission will be as prescribed by the Government of Tamilnadu & Anna University from time to time.



3. PROGRAMMES OFFERED AND MODE OF STUDY

3.1 PROGRAMMES OFFERED

A student may be offered admission to any one of the following specialization in M.E. Degree programme of study approved by the Institution offered by various departments of the Institution.

S.No.	Department Name
Department of Computer Science and Engineering	
1	M.E. Computer Science and Engineering
Department of Electronics and Communication Engineering	
2	M.E. Applied Electronics
Department of Electrical and Electronics Engineering	
3	M.E. Power Electronics and Drives

3.2 FULL TIME:

Students admitted under 'Full-Time' should be available in the Institution during the entire duration of working hours for the curricular, co-curricular and extra-curricular activities assigned to them.

The Full-Time students should not attend any other Full-time programme(s) / course (**MODES**) or take up any Full-time job / Part-Time job during working hours in any Institution or company during the period of Full-Time programme. Violation of the above rules will result in cancellation of admission to the PG programme.



4. STRUCTURE OF THE PG PROGRAMMES

4.1 Categorization of Courses

Every post graduate degree programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

- i. **Foundation courses (FC)** may include Mathematics or other basic courses
- ii. **Professional core (PC)** courses include the core courses relevant to the chosen PG Specialization.
- iii. **Professional elective (PE)** courses include the elective courses relevant to the chosen specialization.
- iv. **Employability enhancement courses (EEC)** include project work and/or internship, seminar, professional practices, case study and industrial / practical training.

A student may be permitted to choose a maximum of 2 electives from other PG programmes with the approval of the Head of the Department offering such courses.

4.2 Number of Courses per Semester

Curriculum of a semester shall normally have a blend of lecture courses and practical courses including employability enhancement courses. Each course may have credits assigned as per clause 4.3.

4.3 Credit Assignment

Each course is assigned certain number of credits based on the following:

Contact period per week	Credits
1 Lecture Period	1
2 Tutorial Periods	1
2 Practical Periods (Laboratory/ Seminar / Project Work / etc.)	1

The contact periods per week for tutorials and practical can only be in multiples of 2.



4.4 Project Work

The Project work is an important component of Post-Graduate programmes. The project work for M.E. consists of Phase – I and Phase – II. The Phase – I is to be undertaken during III semester and Phase – II, which is a continuation of Phase – I is to be undertaken during IV semester.

4.4.1 The Project work for M.E (for Phase II Project work) shall be pursued for a minimum of 16 weeks during the final semester.

4.4.2 The Project work shall be carried out under the supervision of a “qualified teacher” in the Department concerned. In this context “qualified teacher” means a faculty member possessing (i) PG degree with a minimum of 3 years of teaching experience or (ii) Ph.D. degree.

4.4.3 A student may, however, in certain cases, be permitted to work on projects in an industrial / research organization, on the recommendations of the head of the department. In such cases, the project work shall be jointly guided by a supervisor of the department and an expert as joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress.

4.5. Industrial training / internship

4.5.1 The students may undergo industrial training for a minimum period of 2 weeks during summer / winter vacation. In this case the training has to be undergone continuously for the entire period. The students may undergo internship at research organization / university (after due approval from the department) for a minimum period of 2 weeks during summer / winter vacation.

4.5.2 If industrial training / internship is not prescribed in the curriculum, the student may undergo industrial training / internship optionally and the one



credit earned will be indicated in the mark sheet. This credit shall not be considered for classification of the Degree.

Duration of Training / Internship	Credits
2 Weeks	1

4.6 One Credit Courses

One credit courses shall be offered by a department with the prior approval from the Board of Studies & Academic Council. The details of the syllabus, time table and faculty may be sent to the COE after approval from the Board of Studies concerned and Chairman, Academic Council. One credit courses offered should be handled only by external experts. The credits earned through the one credit courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. Students can take a maximum of two one credit courses. They shall be allowed to take one credit courses offered in other departments with the permission of Head of the Departments concerned. The candidates, who enrolled for one credit courses, have to earn minimum of 80% attendance, failing which the registration for the courses will be cancelled.

4.7 Online Courses

Students may be permitted to credit choose online courses (which are provided with certificate) with the approval of Board of studies and Academic Council subject to a maximum of three credits. This online course of 3 credits can be considered instead of one elective course. The student needs to obtain certification or credit to become eligible for writing the end semester examination to be conducted by the Institution. In case of credits earned through online mode from a university approved by appropriate Authorities of the Institution, the credits may be transferred after due approval procedures from Head of the Departments and Principal & Chairman.



4.8 Self Study Courses

4.8.1 Students may be opted to credit at most one self study course with the approval of Board of studies concerned.

4.8.2 The department may offer self-study courses. The purpose of the course is to permit the student to study a course of the student's choice. The students shall study on their own under the guidance of a faculty member. No formal lectures need be delivered. The syllabus of the course and mode of assessments shall be approved by the board of studies and forwarded to the Academic Council for the formal approval of the course by the academic body, preferably before the Commencement of the semester. The self-study course of 3 credits can be considered as one elective course. One faculty member approved by the Head of the department shall be responsible for the periodic monitoring and evaluation of the course.

4.9 Medium of Instruction

The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports.

5. DURATION OF THE PROGRAMMES

5.1 The minimum and maximum period for the completion of the P.G. programme is given below:

Programme	Min. No. of Semesters	Max. No. of Semesters
M.E. (Full-Time)	4	8

5.2 The total duration for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the each semester shall normally consist of 75 teaching days. The Head of the department shall ensure that every teacher 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 maximum duration specified in clause 5.1 irrespective of the period of break of study (vide clause 15) or prevention (vide clause 7.4) in order that the student may be eligible for the award of the Degree (vide clause 13).
- 5.4 The curriculum of P.G. programmes shall be so designed that the prescribed credits required for the award of the degree shall be within the limits specified below:

Programme	Prescribed Credit Range
M.E. (Full-Time)	65-75

6. COURSE ENROLLMENT AND REGISTRATION

- 6.1 Each student, on admission shall be assigned to a Student Counsellor (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 objectives.
- 6.2 Every student shall enroll for the course of the succeeding semester in the current semester. However, the student shall confirm the enrollment by registering for the courses within the first ten working days after the commencement of the concerned semester.
- 6.3 Students shall attend the classes, satisfy the attendance requirements, earn continuous assessment marks and appear for the End Semester Examinations.
- 6.3.1 Each student on admission shall register for all the courses prescribed in the curriculum in the student's first semester of study.



6.3.2 The enrollment for all the courses of the semester II will commence 10 working days prior to the last working day of semester I. The student shall confirm the enrollment by registering for the courses within the first ten working days after the commencement of the semester II. However, the student is allowed to register for courses for which the student has not enrolled, if these are the courses in which the student has failed.

6.3.3 The enrollment for the courses of the II semester to final semester will commence 10 working days prior to the last working day of the preceding semester. If the student wishes, the student may drop or add courses (vide clause 6.4) within ten working days after the commencement of the concerned semester and complete the registration process duly authorized by the Programme Co-ordinator and Head of the Department of the programme.

The student is allowed to register for courses for which the student has not enrolled, if these are the courses in which the student has failed.

6.3.4 A student who has passed all the courses prescribed in the curriculum for the award of the Degree shall not be permitted to re-enroll to improve the student's marks in a course or the aggregate marks / CGPA.

6.4 Flexibility to Add or Drop Courses

6.4.1 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 the student wishes, the student is permitted to earn more than the total number of credits prescribed in the curriculum of the student's programme.

6.4.2 From the II to final semesters, the student has the option of registering for additional courses or dropping existing courses with the approval of Student counsellor and HOD. The maximum number of credits the student can register in a particular semester cannot exceed 30 credits (Excluding courses for which the student has done reappearance registration) (vide clause 6.5).



6.4.3 The student shall register for the project work phase I in the third semester and project work phase II in the fourth semester M.E programme. However, if a student has not earned the minimum number of credits (vide Clause 12.4), the student may be permitted to register for the project work Phase I and Phase II as and when the student earns the minimum number of credits.

6.5 Reappearance Registration

6.5.1 If a student fails in a theory course, the student shall do reappearance registration compulsorily for that course in the subsequent semester. The student should earn Continuous Assessment marks and attend End Semester examination, in such case latest Assessment marks will only be valid.

6.5.2 The student may attend the classes for the reappearance registration courses, if the student wishes. However, the attendance requirement (vide clause 7) is not compulsory for such courses.

6.5.3 If the theory course, in which the student has failed, is a Professional Elective, the student may register for the same or any other Professional Elective in the subsequent semesters. Such changes can be done only with due approval by Head of the Department.

6.5.4 The student who fails in any laboratory course/ project work / seminar or any other EEC course shall register for the same in the subsequent semester, and reappear for the End Semester Examinations.

6.5.5 If a student is prevented from writing end semester examination of a course due to lack of attendance, the student has to register for that course again, when offered next, attend the classes and fulfil the attendance requirements as per clause 7. If the course, in which the student has lack of attendance, is a Professional Elective, the student may register for the same or any other Professional Elective course respectively in the subsequent semesters.



7. ATTENDANCE REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION

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 80% attendance taking into account the number of periods required for the courses as specified in the curriculum.
- 7.2 If a student secures not less than 70% and less than 80% attendance 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 Department concerned, the student shall apply for condonation. **Condonation can be allowed only one semester during the entire course of study.**

Chairman of the Academic Council or any authority delegated with such powers (by the Academic Council) has to grant condonation (based on the recommendation from the Head of the Department). In such cases, his/her conduct has been certified to be satisfactory by the Faculty Advisor / Student Counsellor concerned and the Head of the 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 70% attendance will not be permitted to write the End-Semester Examination. The student has to rejoin the Programme (vide clause 15.3 and 15.5).



7.5 In the case of reappearance registration for a course (vide Clause 6.5), the attendance requirement as mentioned in Clauses 7.1 - 7.3 is not applicable. However, the student has to register for examination in that course by paying the prescribed fee.

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

8. STUDENT COUNSELLOR

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 students will attach a certain number of students to a teacher of the Department who shall function as Student Counsellor for those students throughout their period of study. The Student Counsellor shall advise the students in registering and reappearance registering of courses, authorize the process, monitor their attendance and progress and counsel them periodically. If necessary, the Student Counsellor may also discuss with or inform the parents about the progress / performance of the students concerned.

The responsibilities for the faculty advisor shall be:

- a) To inform the students about the various facilities and activities available to enhance the student's curricular and co-curricular activities.
- b) To guide student enrollment and registration of the courses.
- c) To authorize the final registration of the courses at the beginning of each semester.
- d) To monitor the academic and general performance of the students including attendance and to counsel them accordingly.



9. CLASS COMMITTEE

Class committee for each semester of a programme which comprises of (i) the Course Coordinators / Course teachers (as applicable), (ii) the Faculty Advisor of the class and (iii) the Head of Department (iv) student representatives. This class committee shall meet periodically to discuss academic related matters, progress and status of the students of the semester concerned.

10 ASSESSMENT PROCEDURES FOR AWARDING MARKS

All M.E. (Full-Time) Programmes consist of Theory Courses, Laboratory Courses and Employability Enhancement Courses. Employability Enhancement Courses include Project Work, Seminar, Professional Practices, Case Study and Industrial / Practical Training. Appearance in End Semester Examination is mandatory for all courses including Theory, Laboratory, Theory Courses with Laboratory Component and Project work. (i.e.) Each course shall be evaluated for a maximum of 100 marks as shown below:

Sl.No.	Category of Course	Continuous Assessments	End-Semester Examinations
1	Theory Courses / Theory Courses with Laboratory Component	50 Marks	50 Marks
2	Laboratory Courses	50 Marks	50 Marks
3	Project Work: Phase I	100 Marks	100 Marks
	Phase II	200 Marks	200 Marks
4	All other EEC Courses	100 Marks	-
5	Online Courses/Self Study Courses	50 Marks	50 Marks
6	One Credit Course	100 Marks	-

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' for every semester which consists of attendance marked in each Theory / Laboratory / EEC class, the assessment marks and the record of 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 assessment marks and attendance. The Head of the Department will affix his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Department who shall keep this document in safe custody after the approval from the Principal (for four years). The records of attendance and assessment of both current and previous semesters should be available for inspection whenever required.

10.1 ASSESSMENT FOR THEORY COURSES

For Theory Courses out of 100 marks, the maximum marks for Continuous Assessment is fixed as 50 and the End Semester Examination carries 50 marks.

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

Continuous Assessment is to be arrived on the basis of students' performance in tests and assignments. Three assessments of equal weightage are to be conducted by the course instructor / coordinator / department. The total marks obtained in the **Assessments** put together shall be reduced to 50 marks and rounded to the nearest integer. In case a student misses the assessment due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events with prior permission from the HOD, a **Reassessment** may be given at the end of the semester after getting approval from the Head of the Department through the concerned course instructor.



To arrive the Continuous Assessment Mark the following guidelines are to be followed.

Sl.No.	Category Details	CA Marks	Weightage
1.	Test (3 Nos.) {each test is to be conducted for 50 marks}	30 Marks	60%
2.	Assignment (3 Nos.)	20 Marks	40%
	TOTAL	50 Marks	100%

If a student fails in a theory course(vide Clause 11.1), the student shall do reappearance registration for that course in the subsequent semester. The student should earn Continuous Assessment marks and attend end semester examination, in such case latest sessional marks will only be valid.

10.2 ASSESSMENT FOR LABORATORY COURSES:

For Laboratory Courses out of 100 marks, the maximum marks for Continuous Assessment is fixed as 50 and the End Semester Examination carries 50 marks. Every laboratory exercise / experiment shall be evaluated based on the student performance during the laboratory class and the student's records maintained. There shall be at least one assessment test. The criteria for arriving at the Continuous Assessment marks of 50 are as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the laboratory and 25 marks for the test. The total mark shall be reduced to 50 and rounded to the nearest integer.

The End Semester examinations for Laboratory Courses will be of 3 hours duration and shall normally be conducted for a maximum of 100 marks between October and December during the Odd semesters and between April and June during the Even Semesters.



The student who fails (vide clause 11.1) in the laboratory course shall register for the same in the subsequent semester, and reappear for the End Semester Examination.

10.3 ASSESSMENT FOR PROJECT WORK

The evaluation of Project Work for Phase I and Phase II shall be done independently in the respective semesters and marks shall be allotted as per the weightages given in Clause 10.3.1.

10.3.1 The Project work (Phase I/Phase II) shall be evaluated for a maximum of 200/400 marks out of which 100/200 marks will be through internal assessment. There should be three reviews for each phase (Phase I and Phase II) to be conducted separately with Internal 100/200 marks and External 100/200 marks. The marks are to be distributed as detailed below.

Project Work	Continuous Assessment (100/200Marks)			End Semester Assessment (100/200 Marks)		
	Review I	Review II	Review III	Thesis Evaluation (External)	Viva – Voce	
					Supervisor	External
Phase - I	30	30	40	20	40	40
Phase - II	60	60	80	40	80	80

10.3.2 There shall be three 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 consisting of supervisor, project coordinator and another faculty member from the Department for each branch of study.

10.3.3 The Project Report prepared according to approved guidelines as given by the Institution and duly signed by the supervisor, Programme Co-ordinator and the Head of the Department.

10.3.4 The evaluation of the Project work Phase - I and Phase - II will be based on the project report submitted in each of the Phase - I and Phase - II semesters respectively and a Viva-Voce Examination by a team consisting of the supervisor and External Examiner. The external examiner shall be appointed by the Office of the Controller of Examinations from the panel of examiners recommended by the HOD for Phase - I and Phase - II project evaluation.

10.3.5 The Project Report / Thesis / Dissertation report / Drawings prepared according to approved guidelines and duly signed by the supervisor(s) and the Head of the Department shall be submitted at the end of the IV semester in the case of Full Time candidates and VI semester in the case of Part Time candidates. The last date for the submission of Thesis (Project - II) will be six months (minimum period) from the reopening date of IV semester for FTME. However, in exceptional cases, based on the recommendation of the Professor-in charge of the Programme the Chairman, Academic Council can permit an extension of time not exceeding 31 days. If a candidate submits the project report/thesis report/dissertation after the specified deadline, he/she is deemed to have failed in the Project Work/Thesis/Dissertation and shall re-enroll for the same in a subsequent semester.

10.3.6 If a student fails to submit the project report on or before the specified deadline, student is deemed to have failed in the project work and shall re-enroll for the same in a subsequent (next) semester. This applies to both phase-I and phase-II .

In case, students not completing phase - I of project work successfully, the students can undertake phase - I again in the subsequent (next) semester. In



such cases, the students can enroll for Phase-II, only after successful completion of Phase I.

10.3.7 A copy of the approved project report after the successful completion of viva-voce Examinations shall be kept in the Department library of the college.

10.4 ASSESSMENT FOR SEMINAR / PROFESSIONAL PRACTICES / CASE STUDY

The seminar / case study shall carry 100 marks and shall be evaluated through continuous assessment 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 head of the department will evaluate the seminar and at the end of the semester the marks can be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper / report (40%), Presentation (40%) and response to the questions asked during presentation (20%).

10.5 ASSESSMENT FOR INDUSTRIAL / PRACTICAL TRAINING / INTERNSHIP / SUMMER PROJECT

10.5.1 Practical training / industrial attachment / summer project if specified in the curriculum shall not exceed the maximum duration of 4 weeks and should be organized by the Head of the Department for every student.

10.5.2 The industrial / practical training shall carry 100 marks and shall be Evaluated continuous assessment only. At the end of industrial / practical training /internship /summer project, the student shall submit a brief report on the training undergone and a certificate from the organization concerned. 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 department.



Certificates (issued by the organization) submitted by the student shall be attached to the mark list and sent to Controller of Examinations by the head of the department.

10.6 ASSESSMENT FOR ONE CREDIT COURSE

The one credit course shall carry 100 marks and shall be evaluated through continuous **assessments only**. Two assessments shall be conducted during the semester by the department concerned. The total marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer. The head of the department may identify a faculty member as coordinator for the course. A committee consisting of the head of the department, staff handling the course (if available), coordinator and a senior faculty member nominated by the head of the department shall monitor the evaluation process. The grades shall be assigned to the students by the above committee based on their relative performance.

10.7 ASSESSMENT FOR ONLINE COURSE

Students may be permitted to credit online courses (which are provided with certificate) with the approval of Departmental/Sub-Committee and Board of studies Subject to a maximum of three credits. This online course of 3 credits can be considered Instead of one elective course. Departmental consultative committee will take a decision on the evaluation methodology for the online course. The committee can decide whether to evaluate the online courses through continuous assessment and end semester Examination or through end semester examination only and same may be conveyed to the Controller of Examinations at the beginning of the semester when the course is offered. The student needs to obtain certification or credit to become eligible for writing the end Semester examination to be conducted by the Office of the Controller of Examinations. The head of the department May identify a faculty member as coordinator for the course, who is responsible for evaluation Process. The course shall be evaluated through the end semester examination only. A Committee consisting of the head of the department, coordinator and a senior faculty member Nominated by the head



of the department shall assign the grades to the students based on their relative performance.

In case of credits earned through online mode from a university approved by appropriate authorities of the Institution, the credits may be transferred and grades shall be assigned by a committee consisting of head of the department and senior faculty member nominated by the HOD.

10.8 ASSESSMENT FOR SELF STUDY COURSE

The faculty member approved by the head of the department shall be responsible for periodic monitoring and evaluation of the course. The course shall be evaluated through continuous assessment (as decided by the departmental Subcommittee) and end semester examination. The evaluation methodology shall be the same as that of a theory course (vide clause 10.1). A committee consisting of the head of the department, the faculty member and another senior faculty member nominated by the head of the Department shall assign the grades to the students based on their relative performance.

11 PASSING REQUIREMENTS

11.1 The passing requirement for a student in a course is determined based on the marks obtained both in continuous assessment and end semester examinations. A student, who earns a minimum of 6 grade points in a course subject to securing minimum of 50% marks in the end semester examinations, wherever applicable, shall be declared to have successfully passed the course.

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

11.1.2 If the course, in which the student has failed, is an elective, the student may be permitted to register for the same or any other elective course in the



subsequent semesters, attend the classes and fulfil the attendance requirements as per clause 7.

11.1.3 If a student fails to secure a pass in a laboratory course, the student shall register for the course again, when offered next.

11.1.4 If a student fails to secure a pass in project work, the student shall register for the course again, when offered next.

11.2 The passing requirement for the courses which are assessed only through continuous assessment (EEC courses except project work), shall be determined based on the marks obtained in continuous assessment tests.

11.3.1. Revaluation

A student can apply for revaluation of the student's semester examination answer script in a theory course on payment of a prescribed fee along with prescribed application to the COE through the head of department.

Revaluation is not permitted for laboratory course and project work.

11.3.2 Challenging the Revaluation

Challenging the revaluation is permitted for those students who have applied for photocopy of answer script. The copy of the answer script is to be valued by a competent authority and the valued script should be submitted to COE's office along with prescribed fee for challenging the revaluation within 2 days after the declaration of Re-valuation results.

12. GPA AND CGPA CALCULATION

12.1 The Result Passing Board shall convene a meeting after End Semester Examination to pass the results and after that results are declared, Grade Sheets will be issued to each student which will contain the following details:

- i. List of Courses registered during the Semester and the grades scored.



- ii. Grade Point Average (GPA) for the semester and
- iii. Cumulative Grade Point Average (CGPA) of all Courses registered from first Semester onwards.

During each Semester, the list of Courses registered 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.

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

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 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" grade will be excluded for calculating GPA and CGPA.

- 12.2 The credits earned through One Credit Courses shall not be considered for calculating GPA and CGPA.
- 12.3 If a student studies more number of Electives than required as per the programme of study, the Courses with higher grades alone will be considered for calculation of CGPA.



12.4 ABSOLUTE GRADING SYSTEM

Letter Grade	Grade Points	Range of Marks
O (Outstanding)	10	90-100
A+ (Excellent)	9	80-89
A (Very Good)	8	70-79
B+ (Good)	7	60-69
B (Above average)	6	50-59
RA (Reappearance Registration)	0	----
W (Withdrawal)	0	----

- No 'O' Grade shall be allowed if scored maximum mark is less than 80.

The grades O, A+, A, B+, B obtained for the one credit course shall figure in the mark sheet under the title 'value added courses'. The other grade RA, will not figure in the mark sheet under the title value added courses.

13 ELIGIBILITY FOR THE AWARD OF DEGREE

13.1. A student shall be declared to be eligible for the award of the ME degree (M.E.) provided the student has

- Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time. Total minimum credits needed for each branch of study is as follows:

Sl.No.	Branch of Study	Minimum no. of Credits
1	Applied Electronics	70
2	Computer science and Engineering	70
3	Power Electronics and Drives	68



- II. Successfully completed the course requirements, appeared for the end-semester examinations and passed all the subjects prescribed in all the semesters within the prescribed maximum period reckoned from the commencement of the first semester to which the candidate was admitted.
- III. Successfully passed any additional courses prescribed by the Board of studies whenever readmitted under regulations other than R-2017(vide clause 15.3)
- IV. No disciplinary action pending against the student.
- V. The award of degree must have been approved by the syndicate of Anna University.

13.2 CLASSIFICATION OF THE DEGREE AWARDED

13.2.1 FIRST CLASS WITH DISTINCTION:

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

- should have passed the examination in all the courses of all the four semesters in the student's first appearance within **three** years,. Withdrawal from examination (vide clause 14) will not be considered 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 courses.

13.2.2 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 the semesters



within three years or prevention from writing the end semester examination due to lack of attendance (if applicable).

- Should have secured a CGPA of not less than **7.00**

13.2.3 SECOND CLASS:

All other students (not covered in clauses 13.2.1 and 13.2.2) who qualify for the award of the degree (vide clause 13.1) shall be declared to have passed the examination in **Second class**.

13.2.4 A student who is absent in end semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination (except approved withdrawal from end semester examinations as per clause 14) for the purpose of classification.

14 PROVISION FOR WITHDRAWAL FROM EXAMINATION

14.1 A student may , for valid reasons, (medically unfit / unexpected family situations /sports approved by chairman, sports board and HOD) be granted permission to withdraw from appearing for the end semester examination in **ANY ONE** of the semester examinations during the entire duration of the degree programme. The application shall be sent to Principal & Chairman through HOD with required documents.

14.2 Withdrawal application shall be valid only if the student is otherwise eligible to write the examination (clause 7) and if it is made within TEN working days before the commencement of the end semester examination in that course or courses and also recommended by the head of the department.

14.3 Notwithstanding the requirement of mandatory TEN working days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

14.4 Withdrawal shall not be considered as an appearance for deciding the eligibility of a student for first class with distinction.



- 14.5 Withdrawal is permitted for the end semester examinations in the final semester only if the period of study the student concerned does not exceed 3 years as per clause 13.2.1.

15 BREAK OF STUDY FROM A PROGRAMME

- 15.1 A student is permitted to go on break of study for a single break of one year only.
- 15.2 The student can apply for break of study in advance, in any case, not later than the last date of the first assessment period. The application duly filled by the student shall be submitted through the Head of the Department for the approval of the Chairman.
- 15.3 The students permitted to re-join the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of re-joining. The students re-joining in new Regulations shall apply in the prescribed format through Head of the Department at the beginning of the readmitted semester itself for prescribing additional/equivalent courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.
- 15.4 The total period for completion of the programme reckoned from, the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that the student may be eligible for the award of the degree (vide clause 13).
- 15.5 In case there is any period of break of study more than the permitted duration of break of study, the student shall be permitted to continue the programme only if the approval is obtained from the Director of Technical Education / University through the concerned HOD / Principal before the end of the semester in which the student has taken break of study.



- 15.6** If a student has not reported to the department for a period of two consecutive semesters without any intimation, the name of the student shall be deleted permanently from the college enrollment. Such students are not entitled to seek readmission under any circumstances.

16. RANK OF A STUDENT

A Candidate who qualifies for the Degree by passing the examination in all subjects of the entire Programme in first attempt within a period of four consecutive academic years from the date of admission to the Programme can be given his/her position in the class as rank. The Rank is determined from I Semester to IV Semester for Full Time end semester examination CGPA. Students transferred from other institutions to GCE Bargur are not eligible for rank.

17. PROCEDURE FOR USING SCRIBE

If a candidate is physically handicapped (in case of accidents / ill health) at the time of examination, the he / she may be permitted to use a scribe to write the examination. In such a case 30 minutes extra time will be permitted. The Scribe shall be a non-engineering student / graduate.

18. INDUSTRIAL VISIT

Every student is required to undergo at least one Industrial visit, starting from the first semester of the Programme.

19 DISCIPLINE

- 19.1** 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 institution. The head of the institution shall constitute a disciplinary committee consisting of head of the institution, head of the departments to which the student concerned belongs, and the head of another department to enquire into acts of indiscipline and notify the



institution about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted by the principal & chairman for taking final decision.

- 19.2** If a student indulges in malpractice in any of the examinations, the student shall be liable for punitive action as prescribed by the Anna University from time to time.

20 REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The Institution may from time to time revise, amend or change the regulations, curriculum, syllabus and scheme of examinations through the academic council with the approval of the syndicate.



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GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

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