



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

Accredited by NAAC with “A” Grade

PG REGULATIONS: R-2020

CHOICE BASED CREDIT SYSTEM (CBCS)

[Common to all M.E., /M.Tech., Degree Programmes]

Vision of the Institute

To make this Institution the unique of its kind in the field of research and development activities in this part of the world

Mission of the Institute

To impart highly innovative and technical knowledge to the urban and unreachable rural student folks through “ Total Quality Education”

Quality Policy

Kamaraj College of Engineering and Technology is committed to impart Quality Technical Education imbued with proficiency, human values, and continual improvement.

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
S.P.G. CHIDAMBARA NADAR - C. NAGAMMAL CAMPUS
S.P.G.C. NAGAR, K. VELLAKULAM - 625 701
(NEAR VIRUDHUNAGAR), MADURAI DISTRICT, TAMILNADU**

PG REGULATIONS 2020

CHOICE BASED CREDIT SYSTEM (CBCS)

[Common to all M.E. / M.Tech. Degree Programmes]

(With effect from the academic year 2020 -2021)

R1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

Completion of a programme designed to achieve the defined attributes. It is referred to as Post Graduate (PG) Degree that is M.E./M.Tech. Degree.

- i) **"Programme"** means Postgraduate Degree Programme e.g. M.E., M.Tech. Degree Programme.
- ii) **"Branch"** means specialization or discipline of M.E. / M.Tech. Degree Programme like "Energy Engineering", "Information Technology", etc.
- iii) **"Course"** means a theory/practical/theory-cum-practical subject studied in a semester, like Advanced Digital Signal Processing, Data Structures Lab, etc.
- iv) **"Head of the Institution"** means the Principal of the Institution.
- v) **"Chairperson, Academic Council"** means the authority of the Institution who is responsible for all academic activities of the Institution/Departments for the implementation of relevant Rules and Regulations.
- vi) **"Controller of Examinations"** means the authority of the Institution who is responsible for all activities related to the Examinations.

- vii) **“Head of the Department”** means the Head of the Department concerned.
- viii) **“Chairperson, BoS”** means Chairperson of Board of Studies of each department.
- ix) **“University”** means the affiliating University (Anna University, Chennai).
- x) **“Institution”** means Kamaraj College of Engineering and Technology.

R2. PROGRAMMES OFFERED, MODES OF STUDY AND ADMISSION REQUIREMENTS

R2.1 P.G. Programmes offered:

The programmes currently being offered by the college, affiliated to Anna University and approved by AICTE, New Delhi are given in ANNEXURE-I. The recommended credit range for each programme is 70 to 75

R2.2 Mode of Study

Full-Time: Candidates applying for M.E. / M.Tech. programmes are admitted only under ‘Full-Time’ and should be available in the College / Institution during the entire duration of working hours (From Morning to Evening on Full-Time basis) for the curricular, co-curricular and extra-curricular activities assigned to them. The Full-Time candidates should not attend any other Full-Time programme(s) / course(s) or take up any Full-Time job / Part-Time job in any Institution or Company during the period of the Full-Time programme. Violation of the above rules will result in cancellation of admission to the PG programme.

R2.3 Admission Requirements:

As per the norms of the Anna University, Chennai.

R3. STRUCTURE OF THE PROGRAMMES

R3.1 Categorization of Courses

Every B.E. / B.Tech. Programme shall have a curriculum with syllabi comprising of Theory, Theory cum Practical and Practical courses. The courses shall be categorized as follows:

- i) **Foundation Courses (FC)** which include Mathematics or other basic courses.
- ii) **Professional Core (PC)** courses which include the core courses relevant to the chosen branch/specialization.
- iii) **Professional Elective (PE)** courses which include the elective courses relevant to the chosen branch/specialization.
- iv) **Open Elective (OE)** courses which include the courses from other departments also which a student can choose from the list specified in the curriculum of the postgraduate programmes.
- v) **Online Courses (OC)** which are offered under NPTEL/SWAYAM only.
- vi) **Employability Enhancement Courses (EEC)** which include project work, and /or Internship, seminar, professional practices, case study, value-added courses, industrial / practical training, etc.

R3.2 Credit Assignment

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

Course Period per Week	Credit
1 Lecture (L) Period	1
1 Tutorial (T) Periods	1
2 Practical Periods (also for EEC course like Seminar / Project Work / Case Study, etc.)	1

The Contact Periods per week for Tutorials and Practical can only be in multiples of 2.

R3.3 Courses per Semester

The curriculum of each semester shall normally be a blend of Theory courses, Theory-cum-Practical courses and Practical courses including Employability Enhancement Courses (preferably 7 Theory courses and 2 Practical course).

R3.4 Online Courses

R3.4.1 Students will be permitted to credit online courses (which are provided with a certificate/ Grade card) with the approval of BOS and the Dean Academics subject to a maximum of three credits during the entire programme.

R3.4.2 The Head of the Department shall form a committee to recommend the list of online courses from NPTEL and SWAYAM for approval to the Dean Academics.

R3.5 Open Elective

As per the curriculum every student must do one open elective course, which will be offered by other postgraduate programs. Every student is encouraged to do industry certificate courses during the programme of studies. The student has to submit the report to the Head of the Department,

and the report must be evaluated by a team of senior faculty members (preferably three) nominated by the Head of the Department. Based on the recommendations, the student will be awarded credits. This credit can be taken into account instead of doing the open elective course.

R3.6 Industrial Visit

Every student is expected to undergo one industrial visit during the programme with the approval of the Head of the Department and the Head of the Institution. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

R3.7 Project Work

R3.7.1 The project work 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.

R3.7.2 In case, the students are not completing Phase-I of project work successfully, they can undertake Phase-I again in the subsequent semester. In such cases they can enroll for Phase-II, only after successful completion of Phase-I.

R3.7.3 Project work shall be carried out under the supervision of a faculty member possessing (i) PG degree with a minimum of 3 years of experience in teaching or (ii) Ph.D. degree.

R3.7.4 A student may, however in certain cases, be permitted to work on the project in an Industrial/Research organization on the recommendation of the Head of the Department, with the approval of the Head of the Institution. In such cases, the project work shall be jointly supervised by a Faculty member (Guide) of the department and an Engineer/Scientist from the organization and the student shall be instructed to report the progress

periodically and to attend the project reviews for evaluating the progress. These students will produce a certificate of attendance from the Industry / Research organization where the project is carried out.

R3.7.5 Phase II of the Project work shall be pursued for a minimum of 16 weeks during the final semester.

R3.7.6 The deadline for submission of final Project Report is 30 calendar days from the last working day of the semester in which project / thesis / dissertation is done. However, the Phase-I of the Project work shall be submitted within a maximum period of 15 calendar days from the last working day of the semester as per the academic calendar published by the Institution.

R.3.7.7 If the project report is not submitted on or before the specified deadline, an extension of time up to a maximum limit of two months will be given to the students for the submission of project work with due approval obtained from the Head of the Department.

R3.8 Medium of Instruction

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

R4. DURATION AND STRUCTURE OF THE PROGRAMMES:

R4.1 The minimum and maximum period for completion of the P.G. programmes are given below:

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

R4.2 The Curriculum and Syllabi of all the PG Programmes shall be approved by the Academic Council of the Institution. The number of Credits to be

earned for the successful completion of the programme shall be as specified in the Curriculum of the respective specialization of the P.G. Programme

R4.3 Each semester normally consists of 90 working days, including Test and Examination days. In any contingent situation, the number of working days per semester shall not be less than 65 days. The Head of the Institution is given discretionary powers to decide the number of working days. In such contingencies, the Head of the Department shall ensure that every faculty member teaches the full content of the specified syllabus for the course being taught.

R4.4 The minimum prescribed credits required for the award of the degree shall be within the limits specified below:

Programme	Prescribed Credit Range
M.E / M.Tech	70 to 75

R4.5 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 maximum duration specified in clause R4.1 inclusive of the period of break of study or prevention in order that the student may be eligible for the award of the degree.

R4.6 For the purpose of regulations, the academic year will be divided into two semesters, the odd semester normally spanning from June to November and the even semester spanning from December to May.

R5. COURSE REGISTRATION

R5.1 Each student on regular admission to a programme has to register for all the courses prescribed in the first semester of study for that programme.

- R5.2 A student has to earn the minimum number of total credits specified in the curriculum of the chosen programme of study in order to be eligible to obtain the degree. However, a student can earn more than the minimum number of credits, if he/she wishes. In such cases, the minimum number of credits required for the completion of the programme alone would be considered for CGPA calculation.
- R5.3 From second semester onwards, each student has to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits for full time). The dropping of courses shall be decided as per prerequisite requirements in consultation with the Faculty Mentor. The student can also register for courses in which the student had failed in the earlier semesters. However, if a student has failed in a professional / open elective, he/she has the option to take up the same or some other professional / open elective.
- R5.4 The courses that a student registers, in a particular semester may include (i) Courses of the current semester, (ii) The core (Theory/Lab /EEC) courses that the student has not cleared in the previous semesters and (iii) Elective courses which the student had failed to clear (either the same elective or a different alternative elective).
- R5.5 The registration for the courses of the semesters II to IV will commence ten days prior to the commencement of classes of the current semester. The student shall register for the courses with the guidance of his faculty mentor. The student may also drop courses (vide clause R5.3) within five working days of the commencement of the concerned semester and complete the registration process.
- R5.6 For an elective to be offered, minimum of four students should register for that course subject to the approval of Head of the Department.

R5.7 After registering for a course, a student should attend classes, satisfy attendance requirements (vide clause R7), earn continuous assessment marks and appear for the End Semester Examinations.

R5.8 **Minimum Credits to Register for Project Work**

The Project work 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. The minimum number of credits to be earned to enroll for the Phase-I project is 24. If the student has not earned the requisite minimum credits, the student cannot enroll for the Phase–I of the Project work. In such a case, the student can enroll for the project work in a subsequent semester, after earning the minimum credits specified.

R5.9 **Reappearance Registration**

When the Student does Reappearance Registration, the student may also attend the class for the reappearance registration if the student wishes. However, the attendance is not compulsory. Reappearance registration is applicable for the following cases:

R5.9.1 If a student fails to secure a pass in theory courses and laboratory courses in the current semester examination, he / she is allowed to write arrear examinations for the next three consecutive semesters and their internal marks shall be carried over for three attempts only. If a student fails to secure a pass in a course even after three consecutive attempts, internal marks of that particular course will be nullified and the student has to pass by earning the full 50 percent marks purely in the end semester examination in the subsequent semesters.

- R5.9.2 If the theory course, in which the student has failed, is a professional elective or an open elective, and the student chooses to opt for the same professional elective or open elective course, the student shall do reappearance registration for that course(s) in subsequent semester.
- R5.9.3 If a student has applied for withdrawal from writing end semester examination of a course (Theory / Laboratory / Elective) the student shall do reappearance registration for that course in the subsequent semester when it is offered next. Withdrawal shall not be considered as an appearance for deciding the eligibility of a student for First Class with Distinction.
- R5.9.4 If a student fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-enroll for the same in a subsequent semester. This applies to both Phase–I and Phase–II of the Project Work.
- R5.9.5 If a student fails in the end semester examinations of Phase–I, he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. If he/she fails in the End semester examination of Phase–II of Project work, he/she shall resubmit the Project Report within 60 days from the date of declaration of the results. The resubmission of a project report and subsequent viva-voce examination will be considered as reappearance with payment of exam fee. For this purpose the same Internal and External examiners shall evaluate the resubmitted report.

R6. REPEATING THE COURSE

Repeating the Course is applicable for the following cases:

- R6.1 If a student is prevented from writing end semester examination due to lack of attendance, the student has to register for the courses of the semester

again when offered next and redo the semester.

- R6.2 If a student is prevented from writing end semester examination, he / she can opt to register for a different Professional / Open Elective course, while rejoining the course and attend classes, fulfill the attendance requirements as per R7, secure continuous assessment marks and appear for end semester examinations.
- R6.3 If a student fails to secure a pass in any theory or laboratory courses (including elective theory), he / she given a maximum of three arrear attempts to complete the course as per Clause R12. If the students fail to secure a pass, he / she shall register for the same in subsequent semester.
- R6.4 The students who fails in any Project work (Project Phase I / Project Phase 2) shall register for the course again in subsequent semester.

R7. REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION OF A COURSE

A student who has fulfilled the following conditions (vide clause R7.1 and R7.2) shall be deemed to have satisfied the attendance requirements for appearing in the end semester examination of a particular course.

- R7.1 Ideally every student is expected to attend all periods and earn 100% attendance. However, the student shall secure a minimum of 75% attendance.
- R7.2 If a student secures attendance between 65% and less than 75% 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 and the Physical Director 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 Department through the Faculty Mentor.

R7.3 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 R7.1 – R7.2) and has registered for examination in those courses of that semester by paying the prescribed fee.

R7.4 Students who do not satisfy clause R7.1 and R7.2 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 (vide clause R6).

R7.5 In the case of reappearance registration for a course (vide Clause R5.9), the attendance requirement as mentioned in Clauses R7.1 -R7.3 is not applicable. However, the student has to register for examination in that course by paying the prescribed fee.

R7.6 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 letter grades / marks.

The percentage of attendance for a particular course is calculated as follows:

$$\% \text{ Attendance} = \frac{\text{Total No.of periods in all courses per semester} \times 100}{\text{No.of } \frac{\text{periods}}{\text{week}} \text{ as prescribed in curriculum} \times 15}$$

R8. FACULTY ADVISOR & CLASS ADVISOR

R8.1 Class Advisor / Chairperson

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 Head of the department concerned. The class advisor is the ex-officio member of the multiple course 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 coordinator of the committee in planning and conduct of the meetings.
- To monitor the academic performance of the students including attendance and to inform the committee
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

R8.2 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 will attach a certain number of students (Maximum 18) to each faculty member of the Department. He/She shall function as Faculty Advisor for these students throughout their period of study. The faculty advisor shall

- Advise the students in registering and reappearance registering of courses
- Monitor their attendance, academic progress and discipline of the students
- Counsel periodically or during the Faculty Advisor meeting scheduled

in the class time table

- Inform the students about the various facilities and activities available to enhance their curricular and co-curricular activities
- Inform the parents about the academic progress of the students through the Head of the Department

R9. ACADEMIC COMMITTEES

R9.1 Course Committee for Common Courses

A theory course handled by more than one teacher shall have a “Common Course Committee” comprising of all teachers teaching that course and some students who have registered for that course. There shall be two student representatives from each batch of that course. One of the teachers shall be nominated as Course Coordinator by the Head of the Department concerned.

The first meeting of the Common Course Committee shall be held within fifteen days from the date of commencement of the semester. The components of the continuous assessment and their weightages shall be decided in the first meeting, within the framework of the Regulations.

Two or three subsequent meetings may be held at suitable intervals during the semester. During these meetings, the student members shall meaningfully interact and express their opinions and suggestions of all the students to improve the effectiveness of the teaching-learning process. It is the responsibility of the student representatives to convey the proceedings of these meetings to the whole batch.

In addition the “Common Course Committee” (without the student representatives) shall meet to ensure uniform evaluation of continuous assessments after arriving at a common scheme of evaluation for the assessments (vide clause 11).

Wherever feasible, the common course committee (without the student representatives) shall prepare a common question paper for the continuous assessment tests also. The question paper for the end semester examination is common and shall be set by the Course Coordinator in consultation with all the teachers.

R9.2 Multiple Courses Committee

The “Multiple Courses Committee” comprises faculty handling various courses for a class in a semester and student representatives. One of the above Faculty, nominated by the Head of the Department shall coordinate the activities of this committee. The functions of this committee are similar to that of the common course committee, which are as follows:

The first meeting of the Multiple Courses Committee shall be held within fifteen days from the date of commencement of the semester. The components of the continuous assessment and their weightages shall be decided in the first meeting, within the framework of the Regulations. Two or three subsequent meetings may be held at suitable intervals during the semester. During these meetings, the student members shall meaningfully interact and express their opinions and suggestions of all the students to improve the effectiveness of the teaching-learning process. It is the responsibility of the student representatives to convey the proceedings of these meetings to all the students.

R9.3 Performance Assessment Committee

The Performance Analysis Committee will consist of the Principal, Dean (Academic Courses), IQAC Co-ordinator, Head of the Department and internal / external member from an allied department as nominated by the Head of the Institution. The meeting of the Performance Analysis Committee is to be held within ten days after the declaration of results of

the end semester examinations. This committee shall analyse the performance of the students in all courses of study by comparing continuous assessment and end semester examination results, CO - PO attainment levels for each course, verification of class records of each course, etc.,. The compliance report of the performance analysis committee will be forwarded to IQAC for further discussions and approval. The Performance Analysis Committee, by collective wisdom, should ensure that the clustering / grading / pass–fail decisions have been reasonably balanced.

R10. SYSTEM OF EXAMINATION

R10.1 Performance in each course of study shall be evaluated for a maximum of 100 marks based on one of the following:

i) Continuous Assessment throughout the semester and End Semester Examinations. For Theory / Theory-cum-practical courses, the continuous assessment will carry 40 Marks and End semester Examinations will carry 60 marks. For practical courses and project work, the continuous assessment and End semester Examinations will each carry 50 marks.

(or)

ii) Continuous assessment only for courses like comprehension, seminar which are evaluated for 100 marks based only on the continuous assessment. Appropriate rubrics shall be formulated and informed in advance to the students.

R10.2 End Semester Examinations

R10.2.1 The End Semester Examinations (Theory, Theory-cum-Practical & Practical) of three hours duration will be conducted by the Controller of Examinations between November and December during the Odd semesters and between April and May during Even semesters.

For Theory-cum-practical courses, end semester examination will be conducted only as a theory examination. All Practical examinations will be conducted and evaluated at the Department itself with external examiner appointed by Dean Examination.

R10.2.2 The End semester Examinations (Theory, Theory-cum-Practical & Practical) will be conducted for a Maximum of 100 Marks.

R10.3 For all practical courses, students shall obtain the bonafide certificate for the completion of the record from the Faculty in-charge and the Head of the Department before the day of the practical examinations. Students who have not obtained the bonafide certificate are not permitted to appear for the practical examination.

R10.4 For the project works, students should obtain the bonafide certificate for the project work from the project Guide and Head of the Department, at the end of the semester. Students who have not obtained the bonafide certificate are not permitted to appear for the project viva voce examination. Students who are not able to complete the project work at the end of the semester can apply for extension to the Head of the Department, with the recommendation from the project guide for a period of maximum two months. For those students who extend the project work for two months, Viva voce will be carried out and results will be declared separately. If the project report is not submitted even beyond the extended time, then students are not eligible to appear for Project Viva voce Examination.

R10.5 The final examination for project work will be evaluated based on the final report submitted by the student and the viva voce by an external examiner. The project report shall carry 20 Marks while viva voce examination will carry 30 Marks. Further, the performance of each student would be

evaluated in a viva-voce examination conducted by a committee consisting of an external examiner and the department project coordinator as internal examiner and project guide.

R10.6 It is mandatory that PG students should present their project work in conference / Journal for becoming eligible for the degree.

R10.7 If a student indulges in malpractice in any of the End semester Examination/Internal Examination, he/she will be liable for punitive action as prescribed by the Institution from time to time.

R10.8 During the continuous assessment and end semester examinations, students should have Identity Card issued by the College on their person.

R10.9 Assessment for Online Courses

Students may be permitted to credit online courses (NPTEL/Swayam) with the approval of the Head of the Department and Dean (Academic Courses), subject to a maximum of six credits.

R10.9.1 On successful completion of the online course, the candidate has to submit the copy of the certificate and the grade card (if applicable) to the Head of the Department.

R10.9.2 The Head of the Department shall form a team of faculty members to recommend the credit and grade to be awarded to the candidate by mapping the score earned by the student and results shall be submitted to the Dean (Examinations) for further processing with due approval from Head of the Institution.

R10.9.3 If the grade card is not submitted by the student, the HoD shall recommend to the Dean (Examinations) to conduct end semester examination on the online course

R11. PROCEDURE FOR AWARDING MARKS FOR CONTINUOUS ASSESSMENT

R11.1 Theory Courses

R.11.1.1 Continuous Assessment comprises of three assessments of equal weightage (10 marks each), conducted by the course instructor / coordinator / department. Other 10 marks for a mini project or any combination of conducting Quizzes / Assignments / Tutorials / Seminar / Online test as decided by the respective Course Instructor.

R.11.1.2 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 Competitions with prior permission from the Head of the Department, only one reassessment may be given at the end of the semester after getting approval from the Head of the Institution by the concerned Head of the Department and Course Instructor.

R.11.1.3 The Internal tests will be conducted as per schedule given in the academic calendar. Each test carries a maximum of 50 marks and will be conducted for a duration of one and a half hour. Internal mark shall be calculated by considering the best of two internal test. The formula for calculating the internal mark is given below

$$\text{Internal mark} = \frac{\text{sum of Best of two Cycle test mark}}{200} \times 30 + \text{other assessment decided by course instructor (10 marks)}$$

R11.2 Assessment for Laboratory Courses

R11.2.1 Every laboratory exercise / experiment shall be evaluated based on the student's performance during the laboratory class and the maintenance of laboratory records.

- R11.2.2 There shall be at least one assessment test for laboratory courses.
- R11.2.3 The criteria for arriving at the continuous assessment marks of 50 will be as per the following scheme (75% continuous assessment and 25 % by conducting one assessment test)
- R11.2.4 The end semester examination for laboratory courses will be of 3 hours duration and shall normally be conducted between October and December during the odd semesters and between April and June during the even semesters and evaluated by external examiner appointed by Dean Examination.

R11.3 Theory-cum-Practical Courses

There will be totally four tests; the first three tests (Maximum 50 marks for each test) consist of theory component and the fourth test (Maximum 50 Marks) consists of practical component, which is compulsory. Among the first three tests marks will be reduced to 15 Marks and the practical test will be reduced to 15 Marks. Average mark awarded for conduct of experiments, observation & results, viva-voce and Record work during continuous assessment will be reduced to 10 marks. The sum of these 40 marks would be rounded to the next integer.

R11.4 Project work

The evaluation of Project Work for Phase-I & Phase-II shall be done independently in the respective semesters. The Head of the Department will constitute a review committee of three faculty members for each specialization. Three reviews will be conducted during the semester by the review committee. The student will make a presentation before the review committee on the progress of the Project. The total marks obtained in the three reviews shall be reduced to 50 marks and shall be rounded to the next integer.

R11.4.1 The Project report will carry a maximum of 20 marks. The project report shall be submitted as per the approved guidelines of the Institute from time to time. The viva-voce examination shall carry 30 marks. Marks are awarded to each student based on the performance in the viva-voce examination.

Review I		Review II		Review III		End Semester Examinations				
						Project Report (20)		Viva Voce (30)		
Committee	Guide	Committee	Guide	Committee	Guide	Internal	External	Internal	External	Guide
5	5	10	10	10	10	10	10	10	15	5

R11.4.2 A copy of the approved Project Report after the successful completion of viva-voce examinations shall be kept in the library of the Institution.

R11.5 Other Employability Enhancement Courses

The seminar / Case study is to be evaluated based on 100% continuous assessment marks only. Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar marks can be equally apportioned. The three member committee appointed by 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 (40%), presentation (40%) and response to the questions asked during presentation (20%).

R11.6 Attendance and Assessment Record

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 Head of the Institution will affix his/her signature. The course instructor should keep this document in safe custody (for five years). The records of attendance and assessment of both current and previous semesters should be available for inspection.

R12. ELIGIBILITY FOR PASS IN EACH COURSE

- R12.1 A student who secures not less than 50% of the total marks (both continuous assessment and end semester examination marks put together) prescribed for the courses with a minimum of 50% marks in the end semester examination for theory courses, theory-cum-practical courses, practical courses (except for the practical courses which are evaluated based on Continuous assessment only) and project work shall be declared to have passed the examination.
- R12.2 If a student fails to secure a pass in theory courses in the current semester examination, he/she is allowed to write arrear examinations for the next three consecutive semesters and their internal marks shall be carried over for the above mentioned period of three consecutive semesters.

R12.3 If the course, in which the student has failed, is a professional elective or an open elective, the student may be permitted to register for the same course and attend the End Semester Examination or register for any other professional elective or open elective course in the subsequent semesters, attend the classes and fulfill the attendance requirements as per Clause R7.

R12.4 A student who secures not less than 50% of the total marks in the courses which are evaluated using Continuous Assessment only (vide R10.1) shall be declared to have passed the examination. If a student fails to secure a passing grade, he/she shall register the course in three subsequent semesters. He/she should continue to register and repeat the course till he/she secures a passing grade.

R12.5 **Award of Grades**

All assessments will be done on the basis of marks. 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 subject as detailed below:

- A hybrid of relative and absolute grading system will be followed in assigning grades to students for each course registered.
- A student earning 91-100 marks will be awarded with 'O' grade and 50-60 Marks will be awarded with 'B' grade. The marks in range of 61-90 will be awarded with intermediate grades, which will be fixed based on the mean of marks in each subject.

Range of Total Marks (TM)	Letter Grade	Grade Significance	Grade Points
$91 \leq TM \leq 100$	O	Outstanding	10
$61 \leq TM \leq 90$ intermediate grades shall be fixed based on the mean of marks in each course	A+	Excellent	9
	A	Very Good	8
	B+	Good	7
$50 \leq TM \leq 60$	B	Average	6
$0 \leq TM < 50$	RA	Reappearance Registration	0
---	SA	Shortage of Attendance	-
---	W	Withdrawal from End Semester Examination	-
---	AB	Absent	0
---	AU	Audit Course	-

- i. “RA” denotes Reappearance required for the examination in the course and “W” denotes withdrawal from the course.
- ii. The Grade “SA” denotes inadequate attendance (as per Clause R6) and hence prevented from writing the end semester examination.
- iii. The Grade “SA’ and “W” will figure only in the Result Sheets.

R12.6 GRADE SHEETS

R12.6.1 After the results are declared, Grade Sheets will be issued to each student, which will contain the list of courses enrolled for that semester and the grades obtained by the student.

R12.6.2 The Grade Point Average (GPA) for each semester will be calculated only for the students who have passed all the subjects of that semester. Similarly,

Cumulative Grade Point Average (CGPA) up to any semester will be calculated only for the students who have passed all the subjects up to that semester. GPA is the ratio of the sum of the products of the number of credits of a course (C_i) and the grade points scored in that course (GP_i), taken for all the courses, to the sum of the number of credits of all the courses (n) in the semester.

$$GPA = \frac{\sum_i^n C_i * GP_i}{\sum_i^n C_i}$$

where n is the number of courses in that semester.

On successful completion of the programme, the CGPA will be calculated as follows:

$$CGPA = \frac{\sum_1^N C_i \times GP_i}{\sum_1^N C_i}$$

where N is the total number of courses for the entire programme

R12.7 Revaluation of End Semester Examinations

A candidate can apply for photocopy 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 Dean (Examinations) through the Head of Department. Students can see the valued answer scripts of the semester examinations and can get it retalled / revalued by the faculty concerned. Based on the recommendation, the candidate can register for the revaluation through proper application to the Dean (Examination). The answer sheets will be revaluated and the results will be intimated to the candidate concerned through the Head of the Department. Revaluation is not permitted for practical courses and for project work.

R13. ISSUE OF GRADE SHEET

The Grade sheets will be issued, through the head of the department every semester after the publication of results upto the pre-final semester and a consolidated grade sheet will be issued after the successful completion of all courses and become eligible for the award of degree.

R14. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared to be eligible for the award of the 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.
- Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 4 semesters within a maximum period of 4 years reckoned from the commencement of the first semester to which the candidate was admitted.

R15. CLASSIFICATION OF THE DEGREE AWARDED

R15.1 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, which includes authorized break of study of one year. Withdrawal from examination (vide Clause 15) 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 the end Semester examination due to lack of attendance in any of the courses.

R15.2 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 four semesters within three years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).
- Should have secured a CGPA of not less than 7.00

R15.3 Second Class

All other students (not covered in clauses 15.1 and 15.2) who qualify for the award of the degree (vide Clause 14) shall be declared to have passed the examination in Second Class.

R15.4 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 the end semester examinations as per clause 17) for the purpose of classification.

R16. PROVISION FOR AUTHORISED BREAK OF STUDY

R16.1 A student is not normally permitted to break the study temporarily. However, if a student intends to temporarily discontinue the programme (not more than a year as a single spell) in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme, he/she shall apply in advance to The Principal, through the

Head of the Department stating the reasons, in any case, not later than last working day, provided he/she fulfils the requirement in clause R6.

R16.2 The student who is permitted to rejoin the programme after the break shall be governed by the curricula and regulations in force at the time of rejoining.

R16.3 The authorized break of study will not be counted for the purpose of classification of award of degree (clause R15).

R16.4 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 R4.1 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree(vide clause R14)

R16.5 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 the clause R16.3 is not applicable for this case.

R16.6 If the student has not reported back to the department, after the break of study, his/her name shall be deleted permanently from the college enrolment. Such candidates are not entitled to seek readmission under any circumstances.

R17. PROVISION FOR WITHDRAWAL FROM THE END SEMESTER EXAMINATIONS

R17.1 A student may be permitted to withdraw from appearing for the end semester examination in any course or courses for valid reasons (medically unfit/unexpected family situations approved by HOD and sports events approved by Director, Physical Education & HOD). This privilege can be

availed ONLY ONCE during the entire programme. Valid documents, for medically unfit / unexpected family situations, shall be submitted by the student within seven days before the commencement of the examination in that course or courses and also recommended by the Head of the Department and approved by the Head of the Institution with intimation to Controller of Examinations.

R17.2 Notwithstanding the requirement of mandatory seven days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

R17.3 Those students who withdraw any course or courses during the programme are eligible for the award of first class and first class with distinction as per the requirement in this regard. However, he/she is not eligible for the award of ranking.

R17.4 Withdrawal is not permitted to the student who has not satisfied the conditions prescribed in clause R6 as requirements for appearing in the end semester examination.

R17.5 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 (fulltime) as per clause R15.1.

R17.6 The final approval for withdrawal will depend on the merit of the case and will be decided by the Head of the Institution.

R18. PROVISION OF A SCRIBE

The Institution will provide for a scribe to students who are in genuine need as per the guidelines issued by the Government of Tamil Nadu.

R19. DISCIPLINE

- R19.1 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.
- R19.2 In the event of an act of indiscipline being reported, the principal shall constitute a disciplinary committee to enquire into act of indiscipline.
- R19.3 If a student indulges in malpractice in any of the end semester examination / continuous assessment Test, he/she shall be liable for punitive action as prescribed by the institution from time to time.
- R19.4 Ragging is not at all allowed. Punitive actions will be taken against the students those who involve in ragging as per the government norms.

R20. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The Academic Council of the Institution reserves the right to revise or change or amend the regulations, the scheme of examinations, the curriculum and the syllabi from time to time if found necessary.

R21. SPECIAL CASES

In the event of any clarifications in the interpretation of the above rules and regulations, they shall be referred to the Standing Committee. The Standing Committee will offer suitable interpretations/clarifications/amendments required for special case on such references and get them ratified in the next meeting of the Academic Council. The decision of the Academic Council is final.

The Head of the Institution is authorized to make exceptions in the above regulations based on the merit of the case. All such exceptions will have to be ratified at the next meeting of the Academic Council.

Annexure – I

Details of M.E./M.Tech Degree Programmes

S.No.	PG Programmes	Credits
1.	M.E. Communication and Networking Engineering	72
2.	M.E. Manufacturing Engineering	72
3.	M.E. Power System Engineering	71
4.	M.E. Structural Engineering	73
5.	M.Tech. Bio Technology	73
6.	M.Tech. Polymer Science and Engineering	73