



## **REGULATIONS 2022 CHOICE BASED CREDIT SYSTEM COMMON TO M.E. / M.TECH**

This Regulation is applicable to the students admitted to M.E/M.Tech. Programmes at Rathinam Technical Campus from the academic year 2022-2023 onwards.

### **1 PRELIMINARY DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires:

- I) “Programme” means Degree Programme, that is M.E./M.Tech. Degree Programme.
- II) “Discipline” means specialization or branch of M.E./M.Tech. Degree Programme, like Applied Electronics etc.
- III) “Course” means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.
- IV) “Head of the Institution” means the Principal of the College.
- V) “Head of the Department (HOD)” means the Head of the Department concerned.
- VI) “Controller of Examinations (COE)” means the authority of the College who is responsible for all activities of the Examinations.

### **2 PROGRAMMES OFFERED, MODES OF STUDY AND ADMISSION REQUIREMENTS**

#### **2.1 P.G. PROGRAMMES OFFERED**

- 1. M.E.- Applied Electronics
- 2. M.E – Biometrics and Cyber Security

#### **2.2 MODES OF STUDY**

Full-Time Mode:

Students admitted under ‘Full-Time’ 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 students 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 P.G. programme. However, taking up of job is permitted with authorised break of study

## **2.3 ADMISSION REQUIREMENTS**

2.3.1 Candidates for admission to the first semester of the Post-Graduate Degree Programme shall be required to have passed an appropriate Under-Graduate Degree Examination of Anna University or equivalent as specified under qualification for admission as per the Tamil Nadu Common Admission (TANCA) criteria. This is applicable for students admitted both under Single Window Counselling process and through the Management Quota.

Note: TANCA releases the updated criteria during the admissions every academic year.

Admission shall be offered only to the candidates who possess the qualification prescribed against each programme.

Any other relevant qualification which is not prescribed against each programme shall be considered for equivalence by the committee constituted for the purpose. Admission to such degrees shall be offered only after obtaining equivalence to such degrees.

2.3.2 Eligibility conditions for admission such as the class obtained, the number of attempts in qualifying examination and physical fitness will be as prescribed by the University from time to time.

## **3 STRUCTURE OF THE PROGRAMMES**

### **3.1 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 Courses (PCC) include the core courses relevant to the chosen specialization/branch.
- iii. Professional Elective Courses (PEC) include the elective courses relevant to the chosen specialization/ branch.
- iv. Research Methodology and IPR Course (RMC) covers topics on the process of research and patenting.
- v. Employability Enhancement Courses (EEC) include Project Work and/or Internship, Seminar, Professional Practices, Summer Project, Case Study and Industrial / Practical Training.
- vi. Open Elective Courses (OEC) include the courses credited from other post graduate Programmes of M.E./M.Tech/ M. Arch. and online courses.
- vii. Audit courses (AC) include the courses such as Constitution of India, Natramizh Ilakiam, etc.

### **3.2 Courses per Semester**

Curriculum of a semester shall normally have a blend of lecture courses and practical courses including Employability Enhancement Courses. Each course shall have credits assigned as per Clause 3.3.

### **3.3 Credit Assignment**

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

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

### 3.4 Project Work

- 3.4.1 The project work for M.E. / M.Tech. Programmes consist of Project Work–I and Project Work–II. The Project Work–I is to be undertaken during Semester III and Project Work–II, which is a continuation of Project Work–I, (except when project work II is carried out in the industry) is to be undertaken during Semester IV.
- 3.4.2 In case of students of M.E. / M.Tech. Programmes not completing Project Work-I of project work successfully, the students can undertake Project Work-I again in the subsequent semester. In such cases the students can enroll for Project Work-II, only after successful completion of Project Work-I.
- 3.4.3 Project work shall be carried out under the supervision of a “qualified teacher” in the Department concerned. In this context “qualified teacher” means the faculty member possessing (i) PG degree with a minimum of 3 years’ experience in teaching or (ii) Ph.D. degree.
- 3.4.4 A student may, however, undergo Project Work-II (M.E./M.Tech. Programme) in industry /research institutions for a minimum of 16 weeks during the final semester.
- 3.4.5 The Project Work-II carried out in industry /research institutions need not be a continuation of Project Work-I. In such cases, the Project Work shall be jointly supervised by a supervisor of the department and an expert as a 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. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the department and suitable record of the meetings shall be maintained.
- 3.4.6 The Project Work (Project Work-II in the case of M.E./M.Tech.) shall be pursued for a minimum of 16 weeks during the final semester.
- 3.4.7 The deadline for submission of final Project Report (Project Work-II for M.E. programmes) is 60 calendar days from the last working day of the semester in which project work / thesis / dissertation is done. However, the Project Work-I in the case of M.E. / M.Tech. Programmes shall be submitted within the last working day of the semester as per the academic calendar published by the Head of the Institution.

### 3.5 Industrial Training / Internship (Summer / Winter Vacation)

- 3.5.1 The students may undergo Industrial Training for a period as specified in the Curriculum during the summer / winter vacation. In this case, the training has to be undergone continuously for at least two weeks in an organization.

The students may undergo Internship at a Research organization / University/ Industry(after due approval from the Head of the department and a copy of the same shall be forwarded to the Head of the Institution for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training. Attendance Certificate signed by the competent authority of the industry, as per the format provided by the COE shall be submitted to the Head of the Institution. The attendance certificate shall be forwarded to COE, by the Head of the Institution for processing results.

- 3.5.2 If Industrial Training/ Internship is not prescribed in the curriculum, the student may undergo Industrial Training/ Internship during Summer/Winter vacation optionally and the credits earned will be indicated in the Grade Sheet. If the student earns three credits in Industrial Training/

Internship, the student may drop one Professional Elective (only one professional elective can be dropped). In such cases, Industrial Training / Internship need to be undergone continuously from one organization or with a combination one two week and one four week programme, from one/two organizations. However, if the number of credits earned is 1 or 2, these credits shall not be considered for classification of the degree. Students shall get permission from the Head of the Department for taking industrial training/internship and the Certificate of completion of Industrial Training / Internship shall be forwarded to COE.

DURATION OF INDUSTRIAL TRAINING/INTERNSHIP	CREDITS
2 Weeks*	1
4 Weeks	2
6 Weeks	3

\*1 Week = 40 Internship Hours

3.6 Instead of two electives (professional elective/open elective) in the curriculum, the student may be permitted to choose a maximum of 2 courses from other PG programmes with the approval of the Head of the Department offering such courses and the same should be approved by the COE.

### 3.7 Value Added Courses

The Students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry specific knowledge. The credits earned through the Value Added Courses shall be over and above the total credit requirements prescribed in the curriculum for the award of the degree. One / Two credit courses shall be offered by a COE with the prior approval from the Head of the Institution. The details of the syllabus, time table and course coordinator may be sent to the COE at least one month before the course is offered for approval. Students can take a maximum of two one credit courses / one two credit course during the entire duration of the Programme.

### 3.8 Online Courses

Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the Head of the Department in lieu of open elective / professional elective courses. The Head of the department shall form a three-member committee with members of faculty from the Department of the student, HOD of any other branch of the Institution to ensure that the student has not studied such courses and would not repeat it again as Professional Core/Professional Elective/Open Elective courses. Suitable online courses shall be chosen from the SWAYAM platform, NPTEL, etc.

3.9 A student is permitted to register a maximum of two courses in total from clause 3.7 and 3.9.

### 3.10 Audit courses

The student may optionally study audit courses prescribed by the COE and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.

### 3.11 Medium of Instruction

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

## 4 DURATION AND STRUCTURE OF THE PROGRAMMES

4.1 The minimum and maximum period for completion of the P.G. Programmes are given below:

Programme	Minimum Number of Semesters	Maximum Number of Semesters
M.E. / M.Tech. (Full-Time)	4	8

- 4.2 The Curriculum and Syllabi of all the P.G. Programmes shall be approved by the Board of Studies and Academic Council. 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.
- 4.3 Each semester shall normally consist of 75 working days or 540 periods of each 40 minutes duration. The Head of the Department shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught. For the purpose of calculation of attendance requirement for writing the end semester examinations by students, following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\text{No. of periods as prescribed in the curriculum put together for all courses of the semester}}$$

End Semester Examinations conducted by the college will be scheduled after the last working day of the semester.

- 4.4 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 - 75

## 5. COURSE REGISTRATION

### 5.1 Flexibility to Drop courses

- 5.1.1 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.
- 5.1.2 From the first to pre-final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses cannot exceed 6. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule.

5.2 The Institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses to be undergone in the curriculum of a particular semester

5.3 The registration details of the student shall be approved by the Head of the Institution and forwarded to the Controller of Examinations. This registration is for undergoing the course as well as for writing the End Semester Examinations.

The courses that a student registers in a particular semester may include:

- i. Courses of the current semester and
- ii. Back logs in the lower semesters.

## 6 EVALUATION OF PROJECT WORK

The evaluation of Project Work for Project Work-I & Project Work-II in the case of M.E. / M.Tech. shall be done independently in the respective semesters and marks shall be allotted as per the weightages given in Clause 6.1.

- 6.1 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 Institution shall constitute the review committee for each programme. The review committee consists of supervisor, expert from the Department and a project coordinator from the Department. If the project coordinator/expert member happens to be the Supervisor then an alternate member shall be nominated. In the case of project work II carried out in industry/ research institutions, the review committee shall have the supervisor, coordinator from industry /research institutions and the project coordinator from the Department. The total marks obtained in the three assessments shall be reduced to 40 marks and rounded to the nearest integer (as per the Table given below). There will be a vice-voce Examination during End Semester Examinations conducted by a Committee consisting of the supervisor, one internal examiner and one external examiner. The internal examiner and the external examiner shall be appointed by the Controller of Examination. The distribution of marks for the internal assessment and End semester examination is given below:

Internal Assessment (40 Marks)			End Semester Examination (60 Marks)			
Review - I	Review - II	Review - III	Thesis Submission	Viva - Voce		
			External Examiner	Internal Examiner	External Examiner	Supervisor Examiner
10	15	15	25	10	15	10

- 6.2 The Project Report prepared according to approved guidelines as given by the COE and duly signed by the supervisor(s) and the Head of the Department concerned shall be submitted to the Head of the Institution.
- 6.3 If the student fails to obtain 50% of the internal assessment marks in the Project Work-I and Project Work-II / final project, he/she will not be permitted to submit the project report and has to register for the same in the subsequent semester.

If a student fails to submit the project report on or before the specified deadline as mentioned in clause 3.5, he/she is deemed to have failed in the Project Work and shall register for the same in a subsequent semester. This applies to both for Project Work-I and Project Work-II in the case of M.E. / M.Tech. Project Work.

If a student fails in the end semester examinations of Project Work-I, he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. If he / she fail in the End semester examination of Project Work-II of Project work of M.E. / M.Tech., 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 not be considered as reappearance. For this purpose the same Internal and External examiners can evaluate the resubmitted report or COE can appoint alternative Internal and External Examiner.

If a student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail and he/she will be permitted to resubmit the report within 30/60 days from the

declaration of results and permitted for reappearance in viva- voce examination, for Project Work-I and II respectively.

- 6.3.1 A copy of the approved Project Report after the successful completion of viva-voce examinations shall be kept in the library of the institution.
- 6.3.2 Practical / Industrial Training, 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.
- 6.3.3 At the end of Practical / Industrial Training, Summer Project, the student shall submit an Attendance certificate from the organization where he/she has undergone training and also a brief report. The evaluation for 100 marks will be carried out internally based on this report and a viva-voce Examination will be conducted by a Departmental Committee constituted by the Head of the Institution. The attendance certificate submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examination.

## **7. CLASS TUTOR:**

There shall be a class tutor for each 30 students in a class. He / She will be appointed by the HOD concerned. The class tutor is the ex-officio member and the Convener of the class committee. The responsibilities for the class tutor shall be:

- To act as the channel of communication between the HOD the students of the respective class and parents.
- 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 all the academic and Non Academic performance of the students including attendance.
- To attend the students' welfare activities like awards, medals, scholarships and industrial visits.

## **8. CLASS COMMITTEE**

8.1 Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson, who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching- learning process. The functions of the class committee include:

- i. Solving problems experienced by students in the class room and in the laboratories.
- ii. Clarifying the regulations of the degree programme.
- iii. Informing the student representatives, the academic schedule including the date of assessments and the syllabus coverage for each assessment.
- iv. Informing the student representatives, the details of Regulations regarding weightage used for each assessment.
- v. Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- vi. Identifying the slow-learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

8.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the respective deans.

- 8.3 The class committee shall be constituted within the first week of each semester.
- 8.4 At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee, covering all the elective courses.
- 8.5 The Head of the Institution may participate in any class committee meeting of the institution.
- 8.6 The chairperson is required to prepare the minutes of every meeting, submit the same to the Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.
- 8.7 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. The Class

Committee Chairperson shall display the cumulative attendance particulars of each student on the Notice Board at the end of every such meeting to enable the students to know their attendance details to satisfy the Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning process.

- 8.8 The Chairperson of the Class Committee is required to prepare the minutes of every meeting, submit the same to the Head of the Institution within two days of the meeting and arrange to circulate among the concerned students and teachers. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the management by the Head of the Institution.
- 8.9 The first meeting of the class committee shall be held within one week from the date of commencement of the semester in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held at suitable intervals. During these meetings the student members, representing the entire class, shall meaningfully interact and express the opinions and suggestions of the class students to improve the effectiveness of the teaching-learning process.

## **9. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER**

- 9.1 A student 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 of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as medical / participation in sports, the student is expected to attend at least 80% of the classes.

Therefore, he/she shall secure not less than 80% (after rounding off to the nearest integer) of attendance in every course as calculated as per clause 6.3.

- 9.2 However, a student who secures overall attendance between 70% and 79% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / participation in sports events may be permitted to appear for the current semester examinations, subject to the condition that the student shall submit the medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.



9.3 Students who secure less than 70% overall attendance shall not be permitted to write the End semester examination and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

## 10. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory, laboratory courses, theory courses with laboratory component and projectwork the continuous assessment shall be awarded as per the procedure given below:

### 10.1 Theory Courses/Theory cum Laboratory Courses:

Two assessments each carrying 100 marks shall be conducted during the semester by the Department concerned.

Assessment				Total Internal Assessment
Case Study / Seminar /Mini Project/Innovation	Assignment Presentation	WrittenTest –1	WrittenTest –2	
5	5	15	15	40

### 10.2 Laboratory Courses:

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to be maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 60 is as follows:

Internal Assessment (60 marks)	
Pre ViVa	10
Post Viva	10
Record	10
Demonstration	10
Lab Performance	10
Lab etiquette	10

### 10.3 Assessment for Online courses

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

10.4 Internal marks approved by the Head of the Institution shall be displayed by the respective HODs within 5 days from the last working day.

**11** Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topics covered), separately for each course. This should be submitted to the Head of the Department periodically for checking the syllabus coverage and the records of test marks and attendance. The Head of the department will put his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the institution.

**12 REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATION**

12.1 A student shall normally be permitted to appear for the End semester examinations of the current semester if he/she has satisfied the semester completion requirements and has registered for examination in all courses of the current semester.

12.2 Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear(s) course(s) for the end semester examinations failing which, the student will not be permitted to move to the higher semester.

12.3 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 his/her marks in a course or the aggregate marks / CGPA.

**13 END SEMESTER EXAMINATIONS**

13.1 There shall be an End-Semester Examination of 3 hours duration in each lecture based course. The examinations shall ordinarily be conducted between October and December during the odd semesters and between April and June in the even semesters.

For the practical examinations (including project work), both internal and external examiners shall be appointed by the COE.

**13.2 WEIGHTAGE**

The following will be the weightage for different courses:

i) Lecture or Lecture cum Tutorial based course:		
Internal Assessment	-	40%
End Semester Examination	-	60%
ii) Laboratory based courses		
Internal Assessment	-	60%
End Semester Examination	-	40%
iii) Project work		
Internal Assessment	-	40%
Evaluation of Project Report		
by external examiner	-	25%
Viva-Voce Examination	-	35%
iv) Industrial training/Internship/ Practical training / Summer project / Seminar (All Employability Enhancement Courses except Project Work)		
Internal Assessment	-	100%

#### 14. . PASSING REQUIREMENTS

- 14.1 A student who secures not less than 50% of total marks prescribed for the course [InternalAssessment + End semester Examinations] with a minimum of 45% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and laboratory courses (including project work).
- 14.2 If a student fails to secure a pass in a theory course / laboratory course, the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the fourth attempt onwards if a student fails to obtain pass marks (IA + End Semester Examination), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone.
- 14.3 If a student is absent during the viva - voce examination, it would be considered as fail. If a student fails to secure a pass in Project Work-I, the student shall register for the course again in the subsequent semester and can do Project Work-I and II together.
- 14.4 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only.
- 14.5 A student can apply for revaluation of all the semester examination answer paper (held during particular semester) in a theory course, as per the guidelines of the COE on payment of a prescribed fee alongwith prescribed application to the COE through the Head of the department. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the department. Revaluation is not permitted for laboratory course and EEC courses.

#### 15. AWARD OF LETTER GRADES

- 15.1 The award of letter grades will be decided using relative grading principle. The performance of a student will be reported using letter grades, each carrying certain points as detailed below:

Letter Grade	Grade Points*
O (Outstanding)	10
A + (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
U ( Fail)	0
UA( Absent)	0
RA (Re-appearance)	0
SA (Shortage of Attendance)	0
WH( With Held)	-
W (Withdrawal)	0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: “O”, “A+”, “A”, “B+”, “B”, “C”.

“RA” denotes that the student has failed to pass in that course. “The grades RA will figure in the Grade Sheet as well as in the Result Sheet. In such cases, the student has to appear for the End Semester Examinations as per the Regulations.

If the grade RA is given to EEC course (except Project Work), which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester, fulfil the norms as specified to earn pass in the course.

## 15.2 GRADE SHEET

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

The list of courses registered during the semester and the grade scored.

The Grade Point Average (GPA) for the semester and

The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits acquired for courses and the corresponding points to the sum of the number of credits acquired for the courses in the semester. CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

$$\text{GPA / CGPA} = \frac{\sum_{C_i=1}^n C_i}{\sum_{C_i=1}^n C_i}$$

where  $C_i$  is the number of Credits assigned to the course

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

$n$  is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.

## 16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

16.1 A student shall be declared to be eligible for the award of the P.G. Degree (M.E./ M.Tech.) provided the student has

i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student’s programme within the stipulated time.

ii. a. M.E./ M.Tech.

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 student was admitted.

b. Successfully passed any additional courses prescribed by the COE whenever readmitted under regulations R-2022 from the previous regulations.

iii. No disciplinary action pending against the student.

iv. The eligible candidate details will be forwarded to the university by the COE.

## **17. CLASSIFICATION OF THE DEGREE AWARDED**

### **17.1 FIRST CLASS WITH DISTINCTION:**

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

M.E. / M.Tech.

- 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 (if availed)..
- 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.

### **17.2 FIRST CLASS:**

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

M.E. / M.Tech

- 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 6.50.

### **17.3 SECOND CLASS:**

All other students not covered in 16.1 and 16.2 who qualify for the award of the degree shall be declared to have passed the examination in Second Class.

- 17.4 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 18) for the purpose of classification.

## **18. Photocopy / Revaluation:**

A student can apply for photocopy of his/her semester examination answer paper in a theory course, as per the guidelines of the COE, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the department. The answer script is to be valued and justified by a faculty member, who has handled the subject and recommend for revaluation with the breakup of marks for each question. Based on the recommendation, the student can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the department. Revaluation is not permitted for practical courses and EEC courses.

### **18.1 Review:**

Students not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the department.

Students applying for Revaluation only are eligible to apply for Review.

## **19. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION**

- 19.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by the Chairman, Sports Board and the HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in ANY ONE of the semester examinations during the entire duration of the degree programme. The application shall be sent to the COE through the Head of the department with required documents.
- 19.2 If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only after the submission of project report before the deadline. However, the student may appear for the viva voce examination within 30/60 days after the declaration of results for Project Work I and II respectively and the same shall not be considered as reappearance.

## **20. PROVISION FOR AUTHORISED BREAK OF STUDY**

- 20.1 A student is permitted to go on authorised break of study for a maximum period of one year as a single spell.
- 20.2 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the student may apply for additional break of study not exceeding another one year. If a student intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to re-join the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the COE in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the department stating the reasons therefore and the probable date of re-joining the programme.
- 20.3 The student 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 register for additional courses, if any, as notified by the COE under change of Regulations. These courses may be from any of the semesters of the curriculum in force, so as to bridge the curriculum in force and the old curriculum. In such cases, the total number of credits to be earned by the student may be more than or equal to the total number of credits prescribed in the curriculum in force.
- 20.4 The authorized break of study is included in the duration specified for passing all the courses for the purpose of classification
- 20.5 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.
- 20.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study'
- 20.7 If a student in Full Time mode wants to take up a job / start-up / entrepreneurship during the period of study he/she shall apply for authorised break of study for one year. The student shall join the job / start-up / entrepreneurship only after getting approval of the same by the COE with due proof to that effect.
- 20.8 No fee is applicable to students during the Break of Study period.

## **21. DISCIPLINE**

- 21.1 Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the College. The Head of the Institution shall constitute a disciplinary committee consisting of the Head of the department, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the same to the Head of 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 including Head of the Institution and COE, with recommendation of the committee action can be taken, provided decision of the Head of the Institution is the final.
- 21.2 If a student indulges in malpractice in any of the end semester / internal examination, he / she shall be liable for punitive action as prescribed by the COE from time to time.

## **22. 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 Board of studies, Academic Council with the approval of the Governing council .

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