SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY, COIMBATORE – 641010

(An Autonomous Institution affiliated to Anna University)

RULES AND REGULATIONS

B.E. / B.Tech. Degree Programmes
(Choice Based Credit System)

These rules and regulations are applicable to the students admitted from the academic year 2020 – 21 onwards

1.0 PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these regulations, unless the context otherwise specifies:

a. **"Institute"** means the abbreviation of Sri Ramakrishna Institute of Technology (SRIT), Coimbatore.

b. **"Degree"** means that academic award conferred upon a student on successful completion of a programme designed to achieve the defined attributes. It is referred to as Under- Graduate (UG) Degree, that is B.E./ B.Tech. Degree.

c. **"Programme"** means cohesive arrangement of courses, co-curricular and extracurricular activities to accomplish predetermined objectives leading to the awarding of a degree. It also means specialization or discipline or branch of B.E. / B.Tech. Degree programme, like Civil Engineering, Mechanical Engineering, Information Technology, etc..,

d. **"Course"** means a theory, theory cum practical or practical subject that is normally studied in a semester like Mathematics, Physics, Engineering Graphics, Engineering Workshop, etc..,

e. **"University"** means ANNA UNIVERSITY (AU), Chennai

f. **"AICTE"** means All India Council for Technical Education (AICTE), New Delhi

g. **"UGC"** means University Grants Commission (UGC), New Delhi

h. **"DoTE"** means Directorate of Technical Education (DoTE), Tamil Nadu

i. **"Chairperson, Academic Council"** means the authority of the autonomous Institution who is responsible for all the academic activities of the institute for implementation of relevant Rules and Regulations.

j. **"Principal"** means the authority of the institution, who is responsible for all the academic activities of the institute and the implementation of relevant rules of these regulations. He is also responsible for the examinations being conducted by the institution under the Autonomous scheme.

k. **"Controller of Examination"** means the authority of the Autonomous Institute who is responsible for all activities related to End semester Examinations.

l. **"Head of the Department"** means Head of the Department Concerned.

2.0 ADMISSION PROCEDURE

Candidate seeking for admission to the B.E. / B.Tech. Programme, shall satisfy the conditions of admission prescribed by the Directorate of Technical Education (DoTE), Tamil Nadu and Anna University (AU), Chennai as given below.

2.1 Medium of Instruction

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

2.2 Regular Admission

Candidates, for admission to the first semester of B.E. / B.Tech. Degree Programmes, shall be required to have passed, Higher Secondary Examination (10 + 2) of Curriculum (Regular Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study prescribed under Part – III or any other examinations of any university or authority approved by Government of Tamil Nadu or Higher Secondary Examinations of Vocational Stream (Engineering/Technology) prescribed by the Government of Tamil Nadu.

2.3 Lateral Entry Admission

The candidates who possess Diploma in Engineering / Technology awarded by the DoTE, Tamil Nadu or its equivalent are eligible to apply for lateral entry admission to the third semester of B.E./B.Tech. Programmes in the branch of study as per the eligibility criteria prescribed by the DoTE, Tamil Nadu from time to time.

3.0 PROGRAMMES OFFERED

A candidate may be offered any one of the branches of study approved by All India Council for Technical Education (AICTE) and Anna University, Chennai and being offered by the institution as mentioned below.

B.E. Degree

1. Civil Engineering **(CE)**

2. Computer Science and Engineering **(CS)**

3. Electrical and Electronics Engineering **(EE)**

4. Electronics and Communication Engineering **(EC)**

5. Mechanical Engineering **(ME)**

B.Tech. Degree

1. Information Technology **(IT)**

4.0 STRUCTURE OF THE PROGRAMMES

4.1 Categorization of Courses

Every Programme shall have a distinct curriculum with syllabi consisting of theory, theory cum practical and practical with well-defined Program Outcomes (PO) and Program Educational Objectives (PEO) as per Outcome Based Education (OBE). The content of each course is designed based on the Course Outcomes (CO). The courses of a programme are broadly classified as:

   i. **Humanities and Social Sciences including Management Courses (HSMC)** include Technical English, Employability Skills, Engineering Ethics and Human Values, Communication skills and Management courses.

   ii. **Basic Science Courses (BSC)** include Mathematics, Physics, Chemistry, Biology, Environmental Sciences, etc.

   iii. **Engineering Science Courses (ESC)** include Engineering workshop, Engineering Graphics / Mechanics, Basics of Electrical / Electronics / Computer Engineering, Instrumentation etc.

   iv. **Professional Core Courses (PCC)** include the core courses relevant to the chosen specialization/branch.

v. **Professional Elective Courses (PEC)** include the elective courses relevant to the chosen specialization/ branch.

vi. **Open Elective Courses (OEC)** includes the elective courses offered by different departments. Students should opt for the courses offered from other departments only.

vii. **Employability Enhancement Courses (EEC)** include Final year Project Work, Internship, Industrial Design Project, Seminar, and Industrial / Practical Training.

viii. **Audit Courses (AC)** expose the students to Environmental Sciences, Induction Training, Constitution of India, Essence of Indian Knowledge Traditional, Value education, English for Research Paper Writing, Stress Management and Personality Development through Life Enlightenment Skills. Registration for any of these courses is optional to students.

There shall be a certain minimum number of Core Courses and Sufficient number of Elective courses that can be opted by the students. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained not only for his/her relevant professional field but also would have developed as a socially conscious professional.

4.2   Personality and Character Development

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

National Service Scheme (NSS) will have social service activities in and around the College / Institution. The activities will include practical projects on recycling and reusing biodegradable and dry waste.

National Sports Organization (NSO) will have sports, games, drills and physical exercises.

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

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

4.3 Mandatory Two Week Induction Programme

The students are expected to undergo a mandatory two week induction programme comprising of physical activity, creative arts, universal human values, proficiency modules, lectures by eminent people, visits to local areas and familiarization to department/branch & innovations immediately after admission.

4.4 Industrial Training / Internship

i. 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 the entire period. The students may undergo Internship at a Research organization / University / industry (after due approval from the Institutional Academic Committee) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training.

ii. If Industrial Training / Internship is not prescribed in the curriculum, the student may undergo Industrial Training / Internship optionally and the credits earned will be indicated in the Mark Sheet. If the student earns three credits in Industrial Training / Internship, the student may drop one Professional Elective. In such cases, Industrial Training / Internship need to be undergone continuously from one organization only. However, if the number of credits earned is 1 or 2, these credits shall not be considered for classification of the degree. The student is allowed to undergo a maximum of 6 weeks Industrial Training / Internship during the entire duration of study.

Duration of Training / Internship	Credits
2 Weeks	1
4 Weeks	2
6 Weeks	3

4.5 Industrial Visit

Every student is expected to undergo one industrial visit every year starting from second semester of the programme, subject to the approval of the Head of the Department and Principal.

4.6 Online Courses

i. Students may be permitted to register four online course instead of Professional or Open electives with the approval of the Departmental Academic Committee and Institutional Academic Committee.

ii. Students may be permitted to register online courses (which are provided with certificate) with the approval of the Department Academic Committee and Institutional Academic Committee, subject to a maximum of twelve credits. In case of credits earned through online mode from a University / Organization approved by Institutional Academic Committee, the credits may be transferred after due approval procedures from the Department Academic Committee and Institutional Academic Committee.

iii. The actual credits can be accounted if the credits are mentioned in the course completion certificate. In the absence of credit being mentioned, a span of 3weeks shall be accounted for 1 credit and subjected to a maximum 3 credits or a span of 45 hours student learning time shall be accounted for 3 credits.

4.7 Guided Study Course

A student, who does not have history of arrear in the programme and CGPA greater than 8.0 can study ONE course under Porgramme Professional Elective Courses after his / her Second year of study, as a guided study course. One faculty member approved by the Head of the Department shall be responsible for the periodic monitoring and evaluation of the course. The student does not need to attend the classes. However, the student has to appear for continuous assessment tests and submit assignments to the respective faculty-in-charge assigned by the Head of the Department.

4.8 Credit Representation

Credits are assigned to the courses based on the following pattern:

➢ One Credit Lecture = 1 Hour / Week / Semester

➢ One Credit Tutorial = 1 Hour / Week / Semester

➢ One Credit Laboratory = 2 Hours / Week / Semester

5.0 DURATION OF THE PROGRAMMES

5.1 The duration for the B.E. / B.Tech. degree programmes shall extend over a period of 4 years (8 semesters) for the students admitted in the first semester but in any case not more than 7 years (14 semesters) and 3 years (6 semesters) for the students admitted in third semester (Lateral Entry students) and not more than 6 years (12 semesters).

5.2 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 Principal is given the discretionary powers to decide the number of working days. In such contingencies, the Principal shall ensure that every faculty member teaches the full content of the specified syllabus for the course being taught.

5.3 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 5.1 irrespective of the period of Break of Study or prevention in order that the student may be eligible for the award of the degree.

6.0 COURSE REGISTRATION

6.1 Each student, on admission, shall be assigned to a Faculty Advisor, who shall advise 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 Each student on admission shall register for all the courses prescribed in the curriculum in the student's first Semester of study.

6.3 The enrollment for all the courses from the Semesters II to VIII will commence 3 days after declaration of the end semester examination results of preceding semester. The student shall enroll for the courses with the guidance of the student's Faculty Advisor. If the student wishes, the student may drop or add courses within 5 working days after the commencement of the concerned semester and complete the registration process as per the guidelines.

6.4 No course shall be offered by a programme unless a minimum of 15 students register for that course.

6.5 After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn continuous assessment marks and appear for the end semester examinations.

6.6 Flexibility to Add or Drop courses

6.6.1 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, then the student is permitted to earn more than the total number of credits prescribed in the curriculum of the student's programme within the minimum duration of the programme.

6.6.1 From the III to VIII semesters, the student has the option of registering for additional courses or dropping existing courses. The total number of credits that a student can add or drop is limited to 8, subject to a maximum of 2 courses.

6.7 Redoing a Course

Redoing a course means reregistering for a course, attending all classes, fulfilling the attendance requirements as per clause 7, earning fresh Continuous Assessment marks and appearing for End Semester Examinations. A student has to redo a course in the following conditions.

6.7.1 If a student is prevented from writing end semester examination of any core course due to lack of attendance, the student has to register for that course again when offered next and redo the course.

6.7.2 If a student is prevented from writing the end semester examination of any professional/open elective course due to lack of attendance, the student can opt to register for the same course again when offered next and redo the course, or he/she can opt to register for a different professional/open elective course when it is offered, attend classes, fulfill the attendance requirements as per clause 7, secure Continuous Assessment marks and appear for End Semester Examinations.

6.7.3 If a student fails to secure a pass in any theory or Laboratory course (including elective), he/she is given a maximum of three arrear attempts to complete the course as per Clause 11.2. If the student still fails to secure a pass, he/she shall register for the same when offered next and redo the course.

6.7.4 If the course in which the student fails to secure a pass even after three arrear attempts is a professional/open elective course, then the student can opt for a different professional/ open elective course, register for the same when it is offered, attend classes, fulfill the attendance requirements as per clause 7, secure Continuous Assessment marks and appear for End Semester Examinations.

6.7.5 The student who fails in any Project work (Project 1 / Project 2) shall register for the course again, when offered next, and redo the course. In this case, the student shall attend the reviews and fulfill the attendance requirements as per clause 7.

7.0 REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION OF A COURSE

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 the end semester examination of a particular course.

7.1 Ideally every student is expected to attend all periods and earn 100% attendance. However, the student shall secure not less than 75% attendance, course wise, taking into account the number of periods required for that course, as specified in the curriculum.

7.2 If a student secures attendance between 65% and less than 75% in any course in the current semester, due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events, with prior permission from the Head of the Department concerned and the Principal, 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 Principal through the Head of the Department.

7.3 A student shall normally be permitted to appear for the end semester examination of the course if the student has satisfied the attendance requirements (vide Clause 7.1 – 7.2) and has registered for the examination in those courses of that semester by paying the prescribed fee.

7.4 Students who do not satisfy clause 7.1 and 7.2 and who secure less than 65% attendance in a course will not be permitted to write the end semester examination of that course. The student has to register and redo the course when it is offered next as per Clause 6.7. If the course in which the student has been prevented is a professional/ open elective, the student can opt to redo the same course or opt for different professional/ open elective course as per Clause 6.7.2.

7.5 If a student has shortage of attendance in all the registered courses, he/she would not be permitted to move to the higher semester and has to repeat the current semester in the subsequent year.

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

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

8.0 FACULTY ADVISOR

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department of the students will attach a certain number of students to a teacher of the Department, who shall function as Faculty Advisor for those students throughout their period of study. The Faculty Advisor shall advise the students in registering and reappearance (Arrear) registering of courses, authorize the process, monitor their attendance and progress and counsel them periodically. If necessary, the Faculty Advisor may also discuss with or inform the parents about the progress / performance of the students concerned.

The responsibilities of the faculty advisor shall be:

- To inform the students about the various facilities and activities available to enhance the student's curricular and co-curricular activities.
- To guide student enrollment and registration of the courses.
- To authorize the final registration of the courses at the beginning of each semester.
- To monitor the academic and general performance of the students including attendance and to counsel them accordingly.
- To collect and maintain the academic, co-curricular and extra-curricular records of the students.

9.0 COURSE COMMITTEES

9.1 Common Course Committee

A theory course handled by more than one teacher shall have a "Common Course Committee", comprising of all teachers teaching that course. One of the teachers shall be nominated as Course Coordinator by the Head of the Department, duly approved by the Principal.

The first meeting of the Common Course Committee shall be held within fifteen days from the date of formation of the committee. The nature and weightage of the continuous assessments shall be decided in the first meeting, within the framework of the Regulations.

Two or three subsequent meetings in a semester may be held at suitable intervals.

In addition the "Common Course Committee" shall meet to ensure uniform evaluation of continuous assessments after arriving at a common scheme of evaluation for the assessments (vide clause 10).

Wherever feasible, the common course committee 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.

9.2   Multiple Course Committee

"Multiple Courses Committee" comprises of all teachers handling courses of a particular semester, including common course teachers and two student representatives from the course concerned. One of the above teachers, nominated by the Head of the Department shall coordinate the activities of this committee. The functions of this committee are as follows:

The first meeting of the Multiple Courses Committee shall be held within fifteen days from the date of formation of the committee. The nature and weightage of the continuous assessments shall be decided in the first meeting, within the framework of the regulations. Two or three subsequent meetings in a semester may be held at suitable intervals. 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.

9.3   Overall Monitoring Committee

In addition, there shall be an overall monitoring committee for each semester of a programme, which comprises of (i) the Head of the Department (convener), (ii) the Faculty Advisors of the programme and (iii) Multiple Course Coordinator. This overall monitoring committee shall meet periodically to discuss academic related matters, progress and status of the students of the semester concerned.

The overall monitoring committee can also invite some of the students for any of the committee meetings if necessary.

10.0 ASSESSMENT PROCEDURE FOR AWARDING MARKS

All B.E./B.Tech. programmes consist of Theory Courses, Laboratory Courses and Employability Enhancement Courses. Employability Enhancement Courses include Project Work. Appearance in End Semester Examination is mandatory for all courses including theory, laboratory and project work.

Performance in each course of study shall be evaluated based on (i) Continuous Assessments throughout the semester and (ii) End Semester Examination at the end of the semester. The evaluation shall be based on Outcome Based Education (OBE). For Theory Courses out of 100 marks, the maximum marks for continuous assessment is fixed as 40 and the end semester examination carries 60 marks. For Laboratory Courses out of 100 marks, the maximum marks for continuous assessment is fixed as 60 and the end semester examination carries 40 marks. The continuous assessment is 60 marks for the project work, and project report evaluation and viva-voce examination carries 40 marks. All other courses included under Employability Enhancement Courses are evaluated by Continuous Assessments only. There is no evaluation for Audit Courses. However, minimum attendance requirement as per clause 7 shall be satisfied.

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' for every semester, which consists of attendance marked in each theory / Laboratory/EEC/AC 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 (for five years). The records of attendance and assessment of both current and previous semesters should be available for inspection.

10.1 Assessment for Theory Courses

For Theory Courses out of 100 marks, the maximum marks for continuous assessment is fixed as 40 and the end semester examination carries 60 marks.

The Autonomous examinations (End Semester Exams) for theory 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. End semester Examination is a mandatory requirement for passing the course and every student should appear for the examination for theory, laboratory courses and project work.

The award of marks for continuous assessment shall be normally based on two tests and Assignments/Quiz/Problem Based Learning/Mini Projects/Presentation. The apportioning of marks shall be as follows:

a. 25 Marks for Tests

b. 15 Marks for Assignments/Quiz/Problem Based Learning/Mini Projects/Presentation

However, the assessment pattern for awarding the continuous assessment marks may be designed by the course designers based on the nature of the course and is to be approved by the Institution Academic Committee.

In case a student misses the assessment tests 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, only one Reassessment may be given at the end of the semester after getting approval from the Principal by the Head of the Department.

If a student fails in a theory course, the Continuous Assessment Marks already earned will be retained for subsequent reappearances (three attempts).

10.2 Assessment for Laboratory Courses

For Laboratory Courses out of 100 marks, the maximum marks for Continuous Assessment is fixed as 60 and the End Semester Examination carries 40 marks.

Every laboratory exercise / experiment shall be evaluated based on the student's 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 60 shall be decided at the respective course coordinator and is to be approved by the Institution Academic Committee.

The University examinations 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.

10.3 Assessment for Project Work

For Project work out of 100 marks, the maximum marks for Continuous Assessment is fixed as 60 and the End Semester Examination (project report evaluation and viva-voce examination) carries 40 marks. Project work may be assigned to a single student or to a group of students, not exceeding 4 per group.

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 in periodically and to attend the project review committee meetings for evaluating the progress. These students will produce a certificate of attendance from the Industry/ Research Organization where the project is done.

The Head of the Department shall constitute a review committee comprises of Head of the Department or Faculty member nominated by Head of the Department and two faculty members (Project Coordinator and Guide). There shall be three assessments (each 100 Marks), based on the rubrics, during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be averaged and rounded off to the nearest integer to 60 marks.

The student(s) is expected to submit the project report on or before the last working day of the semester. The autonomous end semester examination for the project work shall consist of the evaluation of the final project report submitted by the student or students of the project group by an external examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner and an internal examiner.

The continuous assessment and End Semester Examinations marks for Project Work and the Viva-Voce Examination will be distributed as indicated below.

Continuous Internal Assessment (60 Marks)									End Semester Examination (40 Marks)		
Review – I (20 Marks)			Review – II (20 Marks)			Review – III (20 Marks)			Report Evaluation (20 Marks)	Viva Voce (20 Marks)	
Project Coordinator	Member	Guide	Project Coordinator	Member	Guide	Project Coordinator	Member	Guide	External Examiner	External Examiner	Internal Examiner
5	10	5	5	10	5	5	10	5	20	10	10

If the project report is not submitted on or before the specified deadline, an extension of time up to a maximum limit of 30 days may be given for the submission of project work with due approval obtained from the Head of the Department.

10.4   Assessment for Internship

The Industrial / Practical Training shall carry 100 marks and shall be evaluated through continuous assessment (Report 40 Marks, Presentation 30 Marks and Viva Voce 30 Marks). At the end of the Industrial / Practical training / internship / Summer Project, the student shall submit a certificate from the organization where the student has undergone training and a brief report about the training. The evaluation will be made based on this report, presentation and a Viva-Voce Examination conducted internally by a three member Departmental Committee consisting of one coordinator and two members constituted by the Head of the Department and approved by the Head of the Institution. Certificates (issued by the Organization) submitted by the student shall be attached to the mark list and sent to the Controller of Examinations by the Head of the Department after obtaining approval from the Institutional Academic Committee.

10.5   Assessment for Online Course

Students may be permitted to credit online courses as per Clause 4.6., credits earned through online mode may be transferred and grades shall be assigned by a committee consisting of the Head of the Department and a senior faculty member nominated by the Principal.

11.0   PASSING REQUIREMENTS

11.1   The Passing requirement for a student in a course is determined based on the marks obtained both in Continuous Internal Assessment (CIA) and End Semester Examinations (ESE). A candidate who secure not less than 50% of the total marks prescribed for the course [CIA + ESE] with a minimum of 45% of the marks prescribed for the end semester autonomous examination, shall be declared to have passed the course and acquired relevant number of credits. This is applicable for both theory and practical courses (including Project work).

11.2   If a student fails to secure a pass in theory courses and laboratory course 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. If a student fails to secure a pass in a course even after three consecutive arrear attempts, the student has to redo the course in the semester in which it is offered along with regular students.

That is, the students should have successfully completed the courses of (n minus 4)th semester to register for courses in nth semester.

Based on the above, the following prerequisites shall be followed for completing the degree programme:

- To enter into Semester V, the student should have no arrear in Semester I. Failing which the student shall redo the Semester I course/courses along with the regular students.

- To enter into Semester VI, the student should have no arrear in Semester II. Failing which the student shall redo the Semester II course/courses along with the regular students.

- To enter into Semester VII, the student should have no arrear in Semester III. Failing which the student shall redo the Semester III course/courses along with the regular students.

- To enter into Semester VIII, the student should have no arrear in Semester IV. Failing which the student shall redo the Semester IV course/courses along with the regular students.

In case, if he/she has not successfully completed all the courses of semester V at the end of semester VIII, he/she shall redo the Semester V courses along with regular students. For the subsequent semesters of VI, VII and VIII, the same procedure shall be followed, subject to the maximum permissible period for this programme.

11.3 If a candidate fails in the seventh semester examinations of Design Project or Final Year Project - 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 Final Year Project or Final Year Project -II of B.E. / B.Tech. he/she shall resubmit the Project Report within 60 days from the date of declaration of the results. The resubmission of the project report and the subsequent viva-voce examination will be considered as reappearance with payment of exam fee. In case a student fails in the resubmission of a project report and subsequent viva-voce examination, the student shall register for the course again, when offered next.

11.4 **Supplementary Examinations**

If a student fails to secure a pass in theory course(s) of VIII semester examination only, he/she is eligible to appear for a one time Supplementary Examination which shall be conducted at the end of VIII semester, for the subjects of VIII semester alone within 30 days from the date of declaration of the results.

12.0 AWARD OF LETTER GRADES

The performance of a student will be reported using letter grades, each carrying certain points as detailed below:

Letter Grade	Description	Grade Point	Range of Marks
O	Outstanding	10	91 to 100
A+	Excellent	9	81 to 90
A	Very Good	8	71 to 80
B+	Good	7	61 to 70
B	Average	6	50 to 60
RA	Reappearance Registration	0	0 to 49
SA	Shortage of Attendance	0	
W	Withdrawal	0	

'RA' denotes Reappearance registration is required for that particular course.

'SA' denotes shortage of attendance (as per Clause 7) and hence prevented from writing end semester examination.

'W' indicates withdrawal from the course.

The rounding of will be made only in total exam mark calculation (Continuous Internal Assessment + End Semester Examination).

13.0 GPA AND CGPA CALCULATION

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 grades scored.

· The grade point average (GPA) for the semester and

· The 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 registered courses credits and the corresponding grade points scored to the sum of the credits of all the registered courses in the semester.

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

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 all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.

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

14.0 ELIGIBILITY FOR THE AWARD OF DEGREE

14.1 A student shall be declared to be eligible for the award of the B.E. / B.Tech. Degree provided the student has

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

ii. Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 8 semesters within a maximum period of 7 years 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.

iv. Successfully completed the Audit Courses.

v. No disciplinary action is pending against the student.

14.2 CLASSIFICATION OF THE DEGREE AWARDED

14.2.1 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 eight semesters in the student's first appearance within five 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 end semester examination due to lack of attendance in any of the courses.

14.2.2 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 eight semesters within five 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.

14.2.3 Second Class

All other students (not covered in clauses 14.2.1 and 14.2.2) who qualify for the award of the degree (vide Clause 14.1) shall be declared to have passed the examination in **Second Class.**

15.0 PROVISION FOR WITHDRAWAL FROM EXAMINATION

15.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by HOD and Principal) 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 HOD with the required documents after obtaining approval from the Principal.

15.2 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.

15.3 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.

15.4 If a student withdraws a course or courses from writing end semester examinations, he/she shall register the same in the subsequent semester and write the end semester examination(s).

15.5 Withdrawal shall not be considered as an appearance for deciding the eligibility of a student for First Class with Distinction.

15.6 Withdrawal is permitted for the end semester examinations in the final semester only if the period of study of the student concerned does not exceed 5 years as per clause 14.2.1.

16.0 BREAK OF STUDY

16.1 A student is permitted to go on break of study for a fixed period of one year as a single break in the entire course of study.

16.2 When a student applies for break of study, the student shall apply to the Controller of Examinations, in advance, in any case, not later than the last date of the first assessment period. The application (downloaded from website) duly filled by the student shall be submitted through the Head of the Department after obtaining approval from Principal.

16.3 The students permitted to rejoin 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 rejoining. The students rejoining in new Regulations shall take 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 as recommended by the Chairman, Board of Studies.

16.4 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 14).

16.5 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.

17.0 DISCIPLINE

Every student is required to observe discipline and decorum both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the Institution/University. In the event of an act of indiscipline being

reported the Principal shall constitute a disciplinary committee consisting of the Principal or his nominee, two Heads of the Departments of which one should be from the programme of the student, to inquire into acts of indiscipline and notify the Management of the college about the disciplinary action taken.

18.0   REVISION OF REGULATION, CURRICULUM AND SYLLABI

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