Sri Ramakrishna Institute of Technology, Coimbatore.

ACADEMIC REGULATIONS 2017 (R-2017) WITH AMMENDMENTS

Choice Based Credit System
Common to all B.E. / B.Tech. Programmes
(For the students admitted to B.E. /B.Tech. Programme
from the Academic Year 2017-18 and onwards)

1. **Preliminary Definition and Nomenclature**

    In these Regulations,

    (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. 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:

2.2.1 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.

2.2.2 Higher Secondary Examinations of Vocational Stream (Engineering/Technology) prescribed by the Government of Tamil Nadu.

2.3 Lateral Entry Admission

2.3.1 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.

2.3.2 The candidates who possess the Bachelor Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject in B.Sc. Degree Programme are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. programmes (as per the eligibility criteria prescribed by the DoTE, Tamil Nadu from time to time). Such candidates shall undergo two additional Engineering courses, one each in third and fourth semester, as Bridge Courses.

3. Programmes Offered

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

B.E. Programmes
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. Programme
1. Information Technology **(IT)**

4. Structure of the Programme

4.1 Course Classification

Every Programme shall have a distinct curriculum with syllabi consisting of theory, theory cum practical and practical with well defined program outcomes and program educational objectives, Skill enhancement courses (life skills and personality development) as prescribed by the Board of Studies on par with the University Grants Commission (UGC) & AICTE guidelines. The content of each course is designed based on the course outcomes. The curriculum structure for B.E. /B.Tech. Degree programmes are broadly classified as:

4.2 Institutional Core Courses (ICC)

Institutional Core Courses are the courses that are common to all branches of study. These courses are compulsory and the students need to pass them to graduate. The institutional core courses are:

(a) **Humanities and Social Sciences (HS)** – Includes Courses related to Humanities, Social Sciences and Management.
(b) **Basic Sciences (BS)** – Includes Courses related to Mathematics, Physics and Chemistry.
(c) **Engineering Sciences (ES)** – Includes fundamental Engineering Courses.

4.3 Professional Course (PC)

The professional course consists of Professional Core Courses (PCC) and Professional Electives (PE).

4.3.1 Professional Core Courses (PCC)

The PCC is a course, which is studied compulsorily by a candidate as a core requirement related to the parent Discipline / Programme.

4.3.1 Professional Elective (PE)

A course, which can be chosen from a pool of courses and may be offered by the parent Discipline / Programme of study, is referred to as PE.

4.4 Generic Electives

Generic electives are designed in order to attain exposure beyond discipline(s) of choice and curriculum flow related to the professional Courses after completion of few professional core courses and professional electives as a pre-requisite.

4.4.1 Generic Elective (GE)

An elective course chosen generally from an unrelated Discipline / Department / Programme, with an intention to seek exposure beyond discipline(s) of choice is called Generic elective. A core course offered in a Discipline / Department / Programme may be treated as an elective by other Discipline / Department/ Programme and vice versa and such electives may also be referred to as Generic Elective. Generic Electives do not have any pre-requisites and to be chosen as electives one or two per semester by students of any programme.

4.5 Industrial Design Project (IDP)

The Student should undergo IDP during the sixth and seventh semester of study. During the sixth semester, the student should undergo the compulsory IDP course of **six credits**, complete the design project (**six credits**) and submit a report at the end of seventh semester for evaluation. A group of 3 or 4 students will be working together as a team.

4.6 Final Year Project (FYP)

The Student should undergo FYP in two phases, Phase – I (**two credits**) during the seventh semester and Phase – II (**six credits**) during the eighth semester. The student should submit project report for evaluation during both Phase – I and Phase - II. An individual student or a group of 2 to 4 students will be working together as a team.

4.7 Mandatory Courses (MC)

The student should undergo the mandatory courses (One credit) and **earn six credits to complete degree requirements.** The credit earned in the mandatory courses will not be accounted for Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) calculations. The mandatory courses are classified into two parts namely, Mandatory Core Courses (MCC) and Optional Skill Enhancement Courses (OSEC).

4.7.1 Mandatory Core Courses (MCC)

The student should undergo the MCC during his / her study with a minimum of **three credits** (One / Two Credit courses).

4.7.1.1 Industrial Internship Training (IIP)

The student should undergo IIP in any industry / organization during the programme of study. Every two weeks of IIP at industry / organization is equal to one credit. The credit will be awarded to the student after the submission of IIP report to the Head of the Department along with the performance certificate from the industry. The report will be evaluated by a team of faculty members nominated by the Head of the Department. Based on the recommendation by the team and certificate issued by the industry, the student will be awarded credits in Mandatory Core Course category and the results will be sent to the Controller of Examinations after the approval by the Head of the Department and Head of the Institution. The final semester project period at industry / organization will not be considered as IIP for earning credits in MCC.

4.7.1.2 Aptitude Enhancement Courses (AEC)

The student should undergo AEC during second and third year of study. The student should pass in the AEC for obtaining his / her Degree.

4.7.1.3 Employability Enhancement Courses (EEC)

The student should undergo EEC and complete the EEC course on or before sixth semester of study. The student should submit EEC report individually / team after completing the course. The report will be evaluated by a team of faculty members nominated by the Head of the Department. Based on the recommendation by the team, the student will be awarded credits in Mandatory Core Course category and the results will be sent to The Controller of Examinations after the approval by the Head of the Department and Head of the Institution.

4.7.2 Optional Skill Enhancement Courses (OSEC)

The student should undergo the OSEC during his / her study with a minimum of **three credits** (One / Two Credit courses).

4.7.2.1 Online Courses

Students may be permitted to register for online courses (which are provided with certificate after evaluation of the performance). On successful completion of the course, he / she has to submit the copy of the certificate to the Head of the Department. Based on the recommendations by the team of faculty members nominated by the Head of the Department, the student will be awarded credits in Optional Skill Enhancement Courses category and the results will be sent to The Controller of Examinations after approval by the Head of the Department.

4.7.2.2 NSS / NSO Training

The student can register their name for NSS/NSO during their first semester of study and undergo the specific training programme conducted by NSS wing / Physical Education Department. A student is expected to earn credits through NSS / NSO only during first four semesters. Training certificate has to be submitted to the Head of the Department. The student will be awarded credits in Optional Skill Enhancement Courses category and the results will be sent to The Controller of Examinations after approval by the Head of the Department and Head of the Institution.

4.7.2.3 Certificate Courses

A student can opt for the certificate courses offered by the various Departments for which the batch size will not exceed 60 per course from second semester to seventh semester. Head of the Department shall submit the list of such courses, duly approved / ratified by the Academic Council. A separate certificate will be issued on

successful completion of the course. The student will be awarded credits in Optional Skill Enhancement Courses category and the results will be sent to The Controller of Examinations after approval by the Head of the Department and Head of the Institution.

4.7.2.4 Language Courses

A student can opt for the language courses offered by the institution for which the batch size will not exceed 60 per course from first semester to fourth semester. A separate certificate will be issued on successful completion of the course. The student will be awarded credits in Optional Skill Enhancement Courses category and the results will be sent to The Controller of Examinations after approval by the Head of the Department and Head of the Institution.

The assortment of different courses is designed in an effective manner that the students, at the end of the programme, will be trained not only in his/her relevant professional field but also for welfare of the society.

The distribution of course category is given in Table 1:

Table 1: Course Category

S.No.	Category	
A	Institutional Core Courses (ICC)	
	a.	Humanities and Social Science (HS)
	b.	Basic Science (BS)
	C.	Engineering Sciences (ES)
B	Professional Core Courses (PCC)	
C	Professional Electives (PE)	
D	Generic Elective (GE)	
E	Industrial Design Project (IDP)	
F	Final Year Project (FYP)	
G	Mandatory Core Courses (MCC) **(Not accounted for GPA and CGPA Calculations)**	
	a.	Industrial Internship Training (IIP)
	b.	Aptitude Enhancement Courses (AEC)
	c.	Employability Enhancement Courses (EEC)
	d.	Professional Practice Courses (PPC)
H	Optional Skill Enhancement Courses (OSEC)	

4.8 Credit Representation

Credit values for different academic activities are represented in the Table 2:

Table 2: Credit Representation

Lectures (hrs/wk/sem.)	Tutorials (hrs/wk/sem.)	Practical Hours (hrs/wk/sem.)	Credit			Total Credits
			L	T	P	
4	0	0	4	0	0	4
3	0	0	3	0	0	3
2	0	0	2	0	0	2
3	2	0	3	1	0	4
3	0	2	3	0	1	4
2	0	2	2	0	1	3
2	2	2	2	1	1	4
0	0	6	0	0	3	3
0	0	12	0	0	6	6

Credits are assigned to the courses based on the following pattern:
- ➢ One Credit Lecture = 1 Hour / Week / Semester
- ➢ One Credit Tutorial = 2 Hours / Week / Semester
- ➢ One Credit Laboratory = 2 Hours / Week / Semester

The student should earn the following credits as presented in Table 3 to obtain his/her degree in the respective programme of study. During any semester, a student is allowed to register for a maximum of 36 credits and subjected to a minimum of 15 credits (**except semester eight**).

Table 3 : Credits to be obtained Programme wise

Sl.No.	Programme	Credit
1	B.E. – Civil Engineering	183
2	B.E. – Computer Science and Engineering	183
3	B.E. – Electrical and Electronics Engineering	183
4	B.E. – Electronics and Communication Engineering	182
5	B.E. – Mechanical Engineering	185
6	B.Tech. – Information Technology	180

4.9 Credit for Lateral Entry Students

A candidate who has completed a 3-year Diploma programme recognised by the DoTE, Tamil Nadu will have a credit standing equivalent to the aggregate of credits stipulated for the first year of B.E./B.Tech. in the respective specialization.

5 Duration of the Programme

5.1 A Regular student (First Year) is normally expected to complete B.E./B.Tech. Programme in four academic years (Eight Semesters) from the date of admission but in any case not more than seven years (Fourteen Semesters).

5.2 A Lateral Entry Student (Direct Second Year) is normally expected to complete the B.E./B.Tech. Programme in three Academic Years (Six Semesters), from the date of admission, but in any case not more than six years (Twelve Semesters).

5.3 Each semester shall normally consist of **15 weeks or 75 working days** (Including Internal Examinations Period). The duration specified in the curriculum for each period is 55 minutes. The Head of the Department shall ensure that every faculty member teaches the subject /course as prescribed in the approved curriculum and syllabi.

5.4 Special theory session may be conducted for students **during last week (week number 15)** as clinical classes. During clinical classes the course materials taught during the 14 weeks will be revised it will assist the students in order to achieve expected competencies in academic skills.

5.5 The total period for completion of the programme, from commencement of the semester, to which the student was admitted shall not exceed, the maximum period (Clause 5.1 & 5.2), regardless of the break-of-study (Vide Clause 16) or period of prevention in order.

6 Registration and Enrolment
6.1 Course Registration

6.1.1. Each student on regular admission shall register for all the courses prescribed in the curriculum in the student's first semester of study.

6.1.2. From second semester, students are required to register for courses within the first week **(week number 1)** of each semester, after discussing with their Mentor / Faculty Advisor. During the discussion with mentor, students should bring the course registration form (UCRF – A) for finalization of registration and the same to

be submitted to the COE office after obtaining approval from the HOD. If there are any changes in student course registration to add or drop courses within the prescribed period the students must produce verification form (UCRF – B) from the mentor after getting approval from the HOD and the Principal.

6.1.3. Each Semester a student can enrol for all courses, including the courses for which the student has done reappearance registration (if any).

6.1.4 Students is expected to register courses during the first week of every semester (**week number 1**). If they fail to register during week number 1 they can register during **week number 2** by paying a penalty fee of Rs.500/-. The students will not be allowed to register after week number 2.

6.1.5 No Course shall be offered for a programme unless a minimum of fifteen students register for that course.

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

6.2 **Flexibility to Add or Drop or Withdraw a Course**

If a student wish to add or drop a course after week number 2 subjected to minimum and maximum credits as specified in the curriculum (minimum 15 credits and maximum 36 credits) after paying a penalty of Rs.500/- per course.

6.2.1 **Adding of Courses**

After week number 2 students can add a course up to **week number 3** with the approval of the Head of the Department and Head of the Institution. However, the maximum number of credits in that particular semester should not exceed 36 credits.

6.2.2 **Dropping of Courses**

If a student feels his / her load is more in any semester or for any other valid reasons he / she may drop courses up to **week number 7** with the approval of the Head of the Department and Head of the Institution. However, the minimum number of credits in that particular semester should not be less than 15 credits.

6.2.3 Withdrawal of Course

A student may, for valid reasons (medically unfit / unexpected family situations / sports approved by Physical Education Department, 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 Principal, through Head of the Department with required documents.

With the consent of the course coordinator and Head of the Department, a student may apply to withdraw from a course registered in a semester not later than the last day of work in **week number 13**. Permission to allow students to withdraw a course is subject to the minimum credit allowed.

Notwithstanding the requirement of mandatory notice within week number 13, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.
Withdrawal shall not be considered as an appearance for deciding the eligibility of a student for First Class with Distinction.

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

6.2.4 The student shall register for the project work in the VII Semester only.

6.3 Re-Appearance Registration

6.3.1 If a student fails in a theory or a theory cum practical course, the continuous internal assessment marks already earned will be retained for subsequent reappearance (three attempts). If a student fails to pass within three attempts he shall earn continuous internal marks and attend end semester examination.

6.3.2 If the theory or theory cum practical course, in which the student has failed, is an elective, the continuous internal assessment marks already earned will be retained for subsequent reappearance (three attempts). If a student fails to pass within three attempts he shall earn continuous internal marks and attend end semester examination for the same elective.

6.3.3 The student who fails in any practical course / project, the continuous internal assessment marks already earned will be retained for subsequent reappearance (three attempts). If a student fails to pass within three attempts he shall earn continuous internal marks and attend end semester examination.

6.3.4 If a student is not eligible to appear for end semester examination of a course due to lack of attendance, the student has to register for that course again, when offered next, attend the classes and fulfil the attendance requirements as per clause 7. If the course, in which the student has lack of attendance, is an elective, the student may register for the same or any other elective in the subsequent semesters.

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

7 Requirement for Appearing for the End Semester Examination of a course

7.1.1 A student who has fulfilled the following conditions shall be deemed to be eligible to appear for the end semester examination,
   a. Ideally every student is expected to attend all the classes 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.
   b. Students who have earned attendance less than 75% will not be permitted to appear for End Semester Examination for that course. The student has to register and repeat that particular course in a subsequent semester when it is offered next.
   c. However, exemption may be given for the students who earned attendance between 65% and less than 75% in a particular course from the prescribed attendance requirement based on medical leave (hospitalization / accident / specific illness) and On Duty Leave for participation in the College / University / State / national / International level Sports events with prior approval from the Principal / competent authority. Such student shall apply for condonation to the Principal through the respective Head of the Department. After the approval from the Principal, the student shall be permitted to appear for the current semester examinations by paying the prescribed fee to the Controller of Examinations of the college.

7.1.2 Student who is permitted to carry out final semester project at industries / organizations / higher learning institutions should submit the attendance certificate from the competent authority at every project review meeting and at the time of project report submission.

8   Academic Guidance

In order to provide academic assistance and individualized attention, different levels of guidance will be provided to the students by (a) Mentor (faculty advisor) and (b) student counsellor.

8.1 Mentor - Faculty Advisor

Mentor helps the students to evaluate and realize educational and career options. The basic responsibilities of the mentor are:

(a) To help the student in planning their course of study and for general advice on the academic programmes or any other activity related to their course of study.

(b) To advise and guide the students in registering of courses, reappearance of courses, add or drop of courses, withdrawal of courses, monitor their attendance and progress and counsel them periodically.

(c) To approve the course registration of the students at the department level.

(d) To assist the student in career planning or to refer student to campus resources for such assistance.

(e) To discuss about the performance of the student with their parents.

8.2 Student Counsellor

The basic responsibilities of the student counsellor are to provide counselling on academic and non – academic matter.

9   Committee
9.1 Course Committee

If a course is handled by a single faculty member, there will be a "Course Committee" consisting of the division head, course coordinator and two student representatives who have registered for the course.

The first meeting of the Course Committee shall be held within week number 2 from the date of commencement of the semester. The nature and weightage of the continuous internal 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.

A theory course handled by more than one faculty member shall have a "common course committee" consisting of all faculty members teaching that course, division head and two student representatives who have registered for that course. One of the faculty members shall be nominated as a common course committee coordinator by the respective division head and duly approved by the Principal.

The common course committee (without the student representatives) shall meet before the commencement of classes to ensure uniform teaching methodology, evaluation of continuous internal assessments after arriving at a common scheme of evaluation for the assessments. The nature and weightage of the continuous internal assessments shall be decided in this meeting, within the frame work of the regulations. The common course committee (without the student representatives) shall prepare a common question paper for the internal assessment test.

The Second meeting of the common course committee (with the student representative) shall be held within Week number 2 from the date of commencement of the semester. 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 opinion 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 class students.

9.2 Overall Monitoring Committee

In addition, there shall be an overall monitoring committee for each semester of a programme which comprises of (a) Division Heads (b) Programme Coordinator and (c) Head of the Department. This overall monitoring committee shall meet periodically to discuss the academic related matters, progress and status of the students of the semester concerned. The overall monitoring committee can invite the course coordinator or students for any of the committee meetings if necessary.

10 Assessment Procedures for Awarding Marks

Performance in each course of study shall be evaluated based on (a) Continuous Internal Assessment (CIA) throughout the semester and (b) End Semester Examination (ESE) at the end of the semester for the regular courses. However, the

End Semester Examination in the case of Mandatory Courses may be conducted, as and when the course is completed, through the office of the Controller of examinations, each course shall be evaluated for a maximum of 100 marks as shown Table 4:

Table 4 : Assessment Scheme

Sl.No.	Category of Course	Continuous Internal Assessment	End Semester Examinations
1	Theory Courses	40 Marks	60 Marks
2	Theory cum Practical Courses	40 Marks	60 Marks
3	Practical Courses	60 Marks	40 Marks
4	Industrial Design Project (IDP)	60 Marks	40 Marks
5	Final Year Project (FYP)	60 Marks	40 Marks

11 Award of Letter Grades

All assessments of a course will be evaluated on absolute marks basis. 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 course as detailed shown in Table 5 :

Table 5: Grade Point

Letter Grade	Grade Points	Range of Marks
O (Outstanding)	10	91 – 100
A + (Excellent)	9	81 – 90
A (Very Good)	8	71 – 80
B + (Good)	7	61 – 70
B (Average)	6	50 – 60
RA (Reappearance Registration)	0	-
SA (Shortage of Attendance)	0	-
W (Withdrawal)	0	-
UA (Absent for End Semester Exam)	0	-

A Student is deemed to have passed and acquired the corresponding credits in a particular course if he / she obtain any one of the following grades "O", "A+", "A", "B+", "B".

"SA" denotes shortage of attendance (as per clause 7) and hence prevented from writing End semester examination. "SA" will appear only in the result sheet.

"RA" denotes reappearance is required for the examination in the course and "W" denotes withdrawn from the course. "RA" and "W" will figure both in Mark sheet as well as Result sheet.

"UA" denotes absent for End Semester Examinations, will appear in the result sheet and mark sheet.

<u>Note:</u> The rounding of will be made only in total exam mark calculation (Continuous Internal Assessment + End Semester Examination).

12 Passing Requirements

12.1   The Passing requirement for a student in a course is determined statistically based on the analysis of the marks obtained both in Continuous Internal Assessment and End semester Examinations. A student who earns 50 marks in a course is declared to have successfully passed the course. However, a student should earn a minimum of 50% marks in Continuous Internal Assessment and 50% marks in End semester examinations as a passing minimum.

12.1.1 If a student fails to secure a pass in a theory course or theory cum practical (except electives), the student has to do reappearance registration of the course in the subsequent semester when offered next, should   earn continuous internal assessment marks and attend the end semester examination.

12.1.2 If the course in which the student has failed, is a professional elective or an generic elective the student may be permitted to register for the same or any other professional elective or generic elective course in the subsequent semesters. If student opts for the same elective he / she shall do reappearance registration for that course in the subsequent semester when it is offered next. The student shall earn continuous internal assessment marks and attend end semester examination. If the student selects a new elective he / she shall register for the course, attend the classes and fulfil the attendance requirements as per clause 7, earn continuous internal assessment marks and attend the end semester examination.

12.1.3. The student who fails in any practical course / project shall register for the same in the subsequent semester, when offered next, and repeat the course. In this case, the student shall attend the classes, satisfy the attendance requirements (vide clause 7), earn continuous internal assessment marks and appear for the End Semester Examinations.

12.2. The passing requirement for the courses which are assessed only through continuous internal assessment and shall be determined statistically based on the marks obtained in continuous internal assessment test.

12.3. A student can apply for revaluation of the student's semester examination answer paper in a theory course or theory cum practical, within 2 weeks from the declaration of results, on payment of all prescribed fee along with prescribed application to the COE through the Head of Departments. 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 courses and project work.

13   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.

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

$$CGPA = \frac{\sum_{i=1}^{n_1} C_i GP_i}{\sum_{i=1}^{n_1} C_i}$$

where,

C_i - is the credits assigned to the course
GP_i – is the grade point corresponding to the letter grade obtained for each course
n - is number of courses successfully passed during the particular semester in the case of computing *GPA*
n_1 - is number of courses successfully passed during all the semesters in the case of computing *CGPA.*

14   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 courses prescribed in all the eight semesters within a maximum period of seven years reckoned from the commencement of the first semester to which the candidate was admitted. For lateral entry six semesters within a maximum period of six years reckoned from the commencement of the third semester to which the candidate was admitted.

iii. Successfully passed any additional courses prescribed by the Student Affair Committee constituted by the Principal, whenever any candidate is readmitted under regulations other than R-2017.

iv. Successfully completed the Mandatory Core Courses and Optional Skill Enhancement Courses as prescribed in the curriculum.

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 6.2.3) 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 (six semester in case of Lateral Entry) within five years (four years in case of Lateral Entry), 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 candidates (not covered in clause 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   Fast Track Course

The fast track system shall enable students to undergo a semester-long internship. A student who secures a minimum CGPA of 8.0 in semester IV with no current arrears, and maintain CGPA of 8.0 till V semester shall be eligible to opt for self study. The students is can opt self study (one elective) during semester VI and semester VII to complete the course requirements.

16   Break of Study from a Programme

• A student is permitted to go on break of study for a maximum period of one year either as two breaks of one semester each or a single break of one year.

• The student applies for break of study shall apply to the COE in advance, in any case, not later than the last date of the first assessment period. The application duly filled by the student shall be submitted through the Head of the Department after obtaining approval from the Principal. In the case of short term employment/ training/internship, the application for break of study shall be forwarded by the Overall monitoring committee and shall be submitted through the Head of the Department after obtaining approval from the Principal.

• 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 apply to the Principal in the prescribed format through Head of the Department at the beginning of the readmitted semester itself for prescribing additional /equivalent courses, if any, from any semester of the regulations in - force, so as to bridge the curriculum in – force and the old curriculum.

• 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 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).

- 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   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   Revision of Regulations, Curriculum and Syllabi

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