

An Autonomous Institution Affiliated to Anna University, Chennai Approved by AICTE, Recognized by UGC under section 2(f) &12 (B) UG Programmes EEE, ECE, ME, CE, CSE & IT Accredited by NBA Accredited by NAAC with 'A' Grade Chunkankadai, Nagercoil - 629 003.

ACADEMIC REGULATIONS 2022

(Amendments 1,2,3 incorporated)

Common to all B.E. / B.Tech. degree – 8 semesters / 6 semesters (LES)
Full time programmes
(w.e.f. 2022-2023 academic year onwards)

CHOICE BASED CREDIT SYSTEM (CBCS)

Degree of Bachelor of Engineering/Bachelor of Technology **AUGUST 2022**

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DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This regulation is applicable to the students admitted to B.E/B.Tech. programmes from the academic year 2022-2023.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In the regulations, unless the context otherwise requires;

- I. "Programme" means B.E./B.Tech. degree programmes.
- II. "Discipline" means branch of specialization of B.E./B.Tech. degree programmes.
- III. "Course" means a theory or a practical or a laboratory integrated theory course that is normally studied in a semester.
- IV. "Chairperson, Academic Council" means the Principal of the college.
- V. "BoS" means Board of Studies.
- VI. "Head of the Institution" means the Principal of the college.
- VII. "Dean, Academics" means the authority of the college who is responsible for all the academic activities and for the implementation of relevant regulations.
- VIII. "Controller of Examinations" means the authority of the college, who is responsible for all examination related activities.
 - IX. "Head of the Department" means head of the department concerned.
 - X. "Chairman, BoS" means head of the department.
 - XI. "Credit" means a numerical value allocated for each course to describe the students' workload per week.
- XII. "Grade" means the letter grade assigned to each course based on the range of marks specified.
- XIII. "Grade Point" means a numerical value (0 to 10) allocated based on the grade assigned to each course.
- XIV. "College / Institution" means St. Xavier's Catholic College of Engineering, Nagercoil

- XV. "University" means Anna University, Chennai.
- XVI. "HSC" means Higher Secondary Certificate.
- XVII. "LES" means Lateral Entry Scheme.
- XVIII. "CBCS" means Choice Based Credit System.
 - XIX. "PCC" means Professional Core Course.
 - XX. "Professional Elective Courses (PEC)" means the courses which are applicable for the concerned programme students only.
 - XXI. "Open Elective Courses (OEC)" means the courses which are open to all the UG programmes students except to the students of the department offering the course.
- XXII. "Value Added Course (VAC)" means a course that will be offered by the department to bridge the gap between the curriculum and the requirements of the industry, which could be selected by any student in the college. This is a mandatory course to be offered by each department.
- XXIII. "Mandatory Course (MC)" means compulsory common course to be studied by all the students of the programme.
- XXIV. "Extra Activity Credits (EAC)" means the course/participation/other activity credits may be earned by the students in addition to the academic credits fixed for the programme for the award of degree. This will help for the holistic development of the students.
- XXV. "Value Education" means the course that makes the students understand the importance of social values and ethics, value education is made mandatory for all students.

2. ADMISSION PROCEDURE

Candidates seeking admission to the degree of Bachelor of Engineering / Bachelor of Technology shall satisfy the eligibility rules prescribed by the affiliating university and Directorate of Technical Education, Chennai, from time to time.

3. PROGRAMMES OFFERED

The programmes currently being offered by the college, affiliated to Anna University and approved by AICTE, New Delhi are given below.

- ★ B.E. Computer Science and Engineering
- ★ B.E. Electronics and Communication Engineering
- ★ B.E. Electrical and Electronics Engineering
- ★ B.E. Civil Engineering
- ★ B.E. Mechanical Engineering
- ★ B.Tech. Information Technology
- ★ B.Tech. Artificial Intelligence and Data Science

The prescribed range of total credits for each B.E./ B.Tech. degree programme is 165-170.

In addition to these academic credits, the students are advised to earn a minimum of 20 extra credits (15 extra credits for LES students) through various extra activities as prescribed in **ANNEXURE-**I. This will help for the holistic development of the students.

4. STRUCTURE OF PROGRAMMES

4.1 Categorization of Courses

Every B.E. / B. Tech. programme will have a curriculum with syllabi consisting of theory courses, practical courses and laboratory integrated theory courses that shall be categorized as follows:

- I. **Humanities, Social Sciences and Management Courses (HSMC)** include Professional English, Communication skills, Management courses etc.
- II. **Basic Sciences Courses (BSC)** include Mathematics, Physics, Chemistry, Environmental Science etc.provide a fundamental understanding of natural phenomena and the processes by which natural resources are transformed.
- III. **Engineering Sciences Courses (ESC)** include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc. Engineering science is the study of a combination of

disciplines such as mathematics, physics, engineering, biology and social science, focuses on creating engineering solutions through deep & systematic understanding of engineering principles.

- IV. **Professional Core Courses (PCC)** include the core courses relevant to the chosen specialization/branch. Core courses are mandatory courses the students must study to meet the requirements of the program.
- V. **Professional Elective Courses (PEC)** include the elective courses relevant to the chosen specialization/ branch. Electives are courses that the students can choose, allowing them to study topics that they are interested in.

Professional Elective Courses are offered under verticals (specialisation groups).

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- VI. **Open Elective Courses (OEC)** include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E. / B. Tech. programmes. This interdisciplinary learning of open elective courses by other department students will have learning awareness and job oriented benefits in the field of the courses.
- VII. **Employability Enhancement Courses (EEC)** include Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc. crafted in order to bridge the gap between skills possessed by the students and the abilities that are looked for by the organization.
- VIII. **Mandatory courses (AC)** include the courses such as Constitution of India, Industrial Safety Engineering, Entrepreneurship Development etc. courses taken by a student but which does not contribute to the calculation of total credit.

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IX. Additional Mandatory Courses (MC) include compulsory common courses to be studied by all the students of the UG programme. It will improve the higher order thinking skills of the students and also provide value education and make our whole curriculum as value based education.

X. **Extra Activity Credits** (**EAC**) A total of 20 credits (minimum) may be completed during the entire period of the programme. This will help for the holistic development of the students. (Please refer to **Annexure I** for the list of Extra Activities)

4.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes NCC/NSS/NSO/YRC, undergo training or conduct activities for about 30 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. Alternately, activities of science, literature and arts also help for personality and character development. So, students shall conduct and participate actively in Science Club/Literary Forum/Fine Arts activities for 30 hours and participate in at least ONE event.

The National Cadet Corps (NCC) will have about 20 parades.

The National Service Scheme (NSS) will have social service activities in and around the college / institution.

The 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/institution.

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

Science club shall organize activities of popularization of science and scientific temper through activities related to astronomy, works of great scientists from India and abroad, observing National Science Day, etc.

Literary Club (Tamil Mantram / Jyothis) shall organize colorful literary events to propagate good humanist values, morals and ethics reflected in the literature.

Fine Arts Club shall encourage dance, music, painting and documentary films with social themes.

Students who enroll and take active participation in any of the above activities for 30 hours and participate at least one event/programme will be given a certificate by the Head of the Institution

and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny.

4.3 Number of courses per semester

Each semester's curriculum shall normally have a blend of lecture courses not exceeding **7** theory courses and laboratory integrated theory courses and **4** employability enhancement courses and laboratory courses. However, the total number of courses per semester shall not exceed **10.** Each course shall have credits assigned as per clause 4.4.

4.4 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		
1 Laboratory Period (also for EEC courses like Seminar / Project Work /Case study / etc.)	0.5		

4.5. Industrial Training / Internship

4.5.1 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 a period of **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 Institution) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of industrial training.

An attendance certificate along with the completion certificate mentioning the period of industrial training / internship and signed by the competent authority of the industry shall be submitted to the Head of the Institution. The attendance certificate shall be sent to the Controller of Examinations by the Head of the Institution for processing results.

4.5.2 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 grade sheet.

If the student earns three credits in industrial training/ internship, the student may drop one professional elective. In such cases, the student has to undergo industrial training / internship continuously in one organization or with a combination of one two week and one four week in one/two organizations.

However, if the number of credits earned is 1 or 2, then these credits shall not be considered for classification of the degree. Students shall get permission from the Head of the Institution for taking industrial training/internship and the certificate of completion of industrial training / internship shall be sent to the Controller of Examinations.

Duration of Training/Internship (in Week*)	Credits
2	1
4	2
6	3

*1 Week = 40 Hours

4.6 Industrial Visit

Every student is required to visit at least **two** industries **every semester** starting from the **first** year of the programme up to seventh semester. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.7 Value Added Courses

❖ Students may optionally undergo Value Added Courses and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree.

- ❖ Courses with **two/ three credits** (for number of periods please refer clause 4.4) shall be offered by a Department with the prior approval from the Head of the Institution through Dean-Academics.
- ❖ The details of the syllabus, timetable and faculty details may be sent to the Dean-Academics after approval from the Head of the Institution.
- Students shall be allowed to take these courses offered in other Departments also, but with the permission of the Head of the Department of student and Head of Department offering the course.
- Students can take a maximum of three courses during the entire duration of the programme starting from fifth semester to seventh semester.

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4.8 Off Campus Courses and Transfer of Credits

Students are permitted to optionally enroll and study a maximum of three off campus courses in physical/online/hybrid mode under each UG programme with the approval of the Head of the Institution as per the Regulations.

The successful completion of these courses through any of the following modes shall be considered in lieu of professional elective / open elective courses of curriculum as approved by the Head of the Institution.

4.8.1 Students are permitted to optionally enroll and study these courses through **SWAYAM** - **NPTEL / IITB Spoken Tutorial platforms** and credit transfer is to be done based on the marks and certificate provided by the SWAYAM- NPTEL / IITB.

The number of credits and transfer of credits are based on the procedure explained in Table 1 & 2 and the Mapping of the marks with the grades is explained in Table 3.

The mapping of marks with grades is applicable, only if the student passes the course as per the guidelines of SWAYAM- NPTEL / IITB.

Table 1: Duration of the course and Number of credits for SWAYAM- NPTEL courses

SWAYAM-NPTEL Course Durations and Credit Equivalence (As per Regulation)					
Sl. No.	Course Duration	Credit Equivalence for Transfer of Credits			
1	4 Weeks	1 Credit			
2	8 Weeks	2 Credits			
3	12 Weeks	3 Credits			
4	16 Weeks	4 Credits			

Table 2: Duration of the course and Number of credits for IITB Spoken tutorial courses

IITB Spoken Tutorial Course Durations and Credit Equivalence (As per Regulation)

SI. No.	Course Duration	Credit Equivalence for Transfer of Credits
1	6 hrs 30 mins	1 Credit
2	20 hours	2 Credits
3	30 hours	3 Credits
4	40 hours	4 Credits

Table 3: Mapping of Marks scored in NPTEL/ IITB Spoken tutorial courses and Credits earned

Grading System for SWAYAM-NPTEL Courses / IITB Spoken Tutorial (As per Regulation)					
SI. No.	Final Score on the SWAYAM- NPTEL/ IITB Spoken Tutorial Certificate	Grade Awarded			
1	90% and above	0			
2	From 80% to 89%	A+			
3	From 70% to 79%	А			
4	From 60% to 69%	B+			
5	From 50% to 59%	В			
6	From 40% to 49%	С			

4.8.2. Students are permitted to optionally enroll and study the courses in physical / hybrid / online modes offered by reputed Central / State funded Universities / Institutions which are in the top 20 positions in the latest NIRF ranking and also conducting examination towards award of marks and grades. (NIRF Ranking of any of the last three years with respect to the year in which course is to

be registered; NIRF ranking is based on respective stream for professional elective courses and based on any stream for open elective courses).

Students are also permitted to enroll and undergo such courses in Online mode at Universities abroad in top 500 in QS ranking in the last three years.

Students are also permitted to study courses of a particular semester in a University / Institution abroad based on MoU. A learning agreement shall be evolved to map all the courses offered in the programme and the courses offered in University abroad as per the procedure outlined by the Institute. The credits earned by the students in the University abroad shall be transferred as per the learning agreement.

In the case of 4.8.2, the students can enroll for the courses with the approval of the Head of the institution only if the course is offered directly by Institution/University and not with the edutech platforms.

The marks/credits earned by the student shall be transferred based on the decision of a committee constituted by the Dean – Academics and approved by the Head of the Institution.

4.8.3 Students are also permitted to enroll and study the courses in physical/hybrid mode (not less than 50% in physical mode) that are offered by (i) National/State funded research institutions/laboratories and (ii) (a) reputed companies (manufacturing or software) related to the programme, and (b) reputed companies involved in transfer of knowledge provided the knowledge transferring company is a spinoff from an Engineering/Technology practicing Industry and sharing the work experience of the respective industry.

The companies mentioned in 4.8.3 (ii) (a) and the company with which the knowledge transfer company associated in the case of 4.8.3 (ii) (b) should have average annual turnover of more than 200 crores over a period of 5 years. However, the academic content and delivery shall be in consonance with the Institute academic standards and norms.

The minimum qualification of the course instructor from the company as mentioned in 4.8.3. (ii) shall be B.E./B.Tech with 10 years of research / industrial experience . Such courses shall be offered through MOU / MOA between the Institute and such institutions/ organizations/ companies.

The design of the courses with regard to the syllabus content, duration of each course and number of credits offered for each course shall be discussed and recommended by the Board of studies and Academic council and approved by Head of the Institution as per the Regulations.

For the offer of each course under 4.8.3, a course coordinator shall be nominated from the Department who shall also attend such course and shall coordinate the question paper setting and answer script evaluation with the course instructor from research institution/laboratories/industry/company for the continuous assessment and end semester examination conducted by the Institute. The passing requirements are as per regulations.

The details regarding Off campus courses taken up by the student and marks/credits earned and the approval for the course from the Head of the Institution shall be sent to the Controller of Examinations, in the subsequent semester(s) along with the details of the elective(s) to be dropped.

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4.9 Mandatory Courses

The student must study **mandatory courses** prescribed by the college and it will be mentioned in the grade sheet. However, it will not be considered for computation of CGPA.

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4.10 Medium of Instruction

The medium of instruction is English language for all courses, examinations, seminar presentations and project work reports.

4.11 Induction Programme

 The students, immediately after admission, should 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 and innovations.

- List of students who have successfully completed the Induction Programme shall be certified by the Head of Institution.
- The completion of the Induction Programme shall be printed in the Grade sheet as "COMPLETED".
- In the case of students who have got admitted later and those who have not attended the Induction Programme at the time of joining the degree programme, it shall be conducted later and on completion, it shall be recorded in the Grade sheet.
- No fee will be charged towards the conduct of the Induction Programme and for including in the STATEMENT OF GRADES for the successful completion of the Induction Programme.

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4.12 B.E. / B. Tech. (Hons) and B.E. / B. Tech. Minor with Specialization in Another Discipline.

(i) **B.E / B.Tech.** (**Hons.**)

- a. The students should have taken additional courses from a specified group of Professional Electives (vertical) or from any of the verticals of the same programme and earned a minimum of 18 credits.
- b. Should have passed all the courses prescribed in the curriculum and additional courses in the first attempt.
- c. Should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses.

(ii) B.E./B.Tech. Minor with specialization in another discipline

The student should have earned additionally a minimum of 18 credits in any one of the verticals offered from Engineering Disciplines / Science and Humanities / Management

- 1. For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM- NPTEL platform (in addition to the three online courses permitted for courses of curriculum), as approved by the Head of the institution.
- 2. B.E / B.Tech. (Hons.) and B.E./B.Tech. minor with specialisation in another discipline will be optional for students and the students shall be permitted to select any one of them only.

- 3. For the categories 4.12 (i), the students, including Lateral Entry, shall be permitted to register for the courses from Semester V onwards provided the students have earned a minimum CGPA of 7.50 until Semester III and have cleared all the courses in the first attempt.
- 4. For the category 4.12 (ii), the students, including Lateral Entry, will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above.
- 5. B.E/B.Tech. (Hons.) or B.E./ B.Tech. Minor shall be offered by the Department irrespective of the number of students enrolled.
- 6. If a student decides not to opt for Honours, after completing certain number of additional courses, such additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum.

If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.

If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.

7. If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum.

If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA.

Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.

If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.

The student has to enroll for these additional courses separately and pay a tuition fee for studying these six additional courses and pay additional exam fee.

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5. DURATION OF THE PROGRAMME

- 5.1 A student is ordinarily expected to complete the B.E. / B.Tech. programme in 8 semesters (for HSC students) and six semesters (for LES students) but in any case, not more than 14 semesters for HSC (or equivalent) students and not more than 12 semesters for LES students.
- 5.2 Each semester normally consists of 75 working days or 540 periods of 50 minutes each. The Head of the Institution 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.
- 5.3 The course instructor may conduct additional classes for improvement, special coaching, model test etc., over and above the specified periods with prior permission from the Head of the Institution. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, the following method shall be used.
 - ★ Percentage of overall attendance = ((Total no. of periods attended in all the courses per semester) / ((No. of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester)) x 100

The end semester examination will normally follow immediately after the last working day of the semester as per the academic schedule prescribed from time to time.

5.4 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 (vide clause 17) in order that he/she may be eligible for the award of the degree (vide clause 16).

6. COURSE REGISTRATION

6.1 The Head of the Department 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 (with the facility to drop courses to a maximum of 6 credits (vid clause 6.3)). The courses dropped in earlier semesters can be registered

in the subsequent semesters when offered.

The registration details of the student shall be approved by the Head of the Institution and sent 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.

ii. Courses dropped in the lower semesters.

iii. Courses registered for Honours and Minor.

The maximum number of credits that can be registered in a semester is 36. However, this does not include the number of Re-appearance (U) courses and Withdrawal (WD) courses registered by the

student for the appearance of Examination.

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6.2 Choice of Professional Elective Courses

The professional Elective Courses are listed in the Curriculum in Table format as verticals (Specialisation groups). A student can choose all the Professional Elective Courses either from

one of the verticals or a combination of courses from all verticals in a semester.

For a professional elective course and open elective course, minimum number of students

enrolment permitted shall be 10. However, the minimum number is not applicable for students

enrolling B.E. / B. Tech. (Hons) and B.E. / B. Tech. Minor. For the offer of each professional

elective at least two choices shall be offered.

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6.3 Flexibility to Add or Drop courses

6.3.1 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.

6.3.2 From the second to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses shall not exceed 6 per semester. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule.

6.3.3 From the V to VIII semesters, the student has the option of registering for additional courses in a semester. With regard to enrolling for B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor

6.3.4 The total number of credits that a student can add in a semester is limited to 6, subject to a maximum of 2 courses.

Maximum number of credits enrolled in a semester (including Honours and Minor) shall not exceed 36. The online courses registered for B.E. / B. Tech. (Hons.) and B.E. / B. Tech. minor shall be over and above this 36 credits.

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7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1 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 make provision for certain unavoidable reasons such as medical / participation in sports, the student is expected to attend at least 75% of the overall classes.

Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

7.2 However, a student who secures overall attendance between 65% and 74% 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 or sports participation certificate attested by the Head of the Institution. The same shall be sent to the Controller of Examinations for record purposes.

7.3 Students who secure less than 65% overall attendance shall not be permitted to write the examination at the end of the semester 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.

8. MENTOR

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department will attach a certain number of students to a faculty member of the department who shall function as the mentor for those students throughout their degree programme.

The responsibilities for the mentor are to:

- ★ regularly meet the students under their care, develop a quality professional rapport, get to know their strengths and weaknesses with regard to their studies and personality, understand their family and cultural backgrounds and to assist them for their optimal development.
- ★ take keen interest to meet the students under their care to understand whether they are comfortable with the teaching in the beginning of the semester, encourage them before the examinations, assess their achievements after the internal exams and plan strategies for improvement, etc.
- ★ identify the problems as regards to the students' learning and their personality development; and counsel them and suggest strategies appropriately so that they can get over the problems easily.
- ★ have to refer students for professional counseling and healthcare when they deem it necessary and bring to the notice of the Head of the Institution if they come across serious issues that need special attention.
- ★ be faithful to the best practices of mentorship, keep up the ethical and professional standards of a mentor like keeping confidentiality, respecting privacy, practice of getting consent, decent professional relationship, unprejudiced approach, non-manipulation of the relationship and privileged information they come across for their advantage.
- ★ collect leave letters and monitor attendance in the class.

- ★ monitor the progress of the students by making note of the marks scored in the internal tests and end semester exams and help the HoD to communicate the marks to the parents of the students.
- ★ submit or upload regular reports in the college automation about their service in the proper format given without divulging any privileged information.
- ★ maintain the students' records with necessary provisions for confidentiality.
- ★ attend the students' welfare activities like awards, medals, scholarships, industrial visits and educational tours.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of course instructors of the class concerned, student representatives and a **chairperson**, who is not teaching the class who will act as the channel of communication between the HOD and the students of the respective class.

The functions of the class committee include:

- ★ solving problems experienced by students in the classroom and in the laboratories.
- ★ clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7).
- ★ informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- ★ informing the student representatives the details of regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.), the breakup of marks for each experiment / exercise / module of work should be clearly discussed in the class committee meeting and informed to the students.
- ★ analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- ★ identifying the slow-learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

- 9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department.
- 9.3 The class committee shall be constituted within the first week of each semester.
- 9.4 At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee, from all the elective courses.
- 9.5 The chairperson of the class committee may invite the mentors and the Head of the Department to the class committee meeting.
- 9.6 The Head of the Institution may participate in any class committee meeting of the institution.
- 9.7 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.
- 9.8 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 with 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 clause 7 of this 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.

10. COURSE COMMITTEE FOR COMMON COURSES

Any common theory course offered to more than one discipline or group, shall have a "Course

Committee" comprising all the teachers teaching the common course with one of them nominated

as the course coordinator.

The nomination of the course coordinator shall be made by the Head of the Department / Head of

the Institution after confirming whether all the teachers teaching the common course belong to a

single department or to several departments.

The 'Course Committee' shall meet and decide a common scheme of evaluation for the test.

thereby ensuring a uniform evaluation of the tests. Wherever feasible, the Course Committee may

also prepare a common question paper for the internal assessment test(s).

11.SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal

assessment throughout the semester and (ii) end semester examination.

11.2 Each course, both theory and practical (including project work & viva voce examinations)

shall be evaluated for a maximum of 100 marks.

11.2.1 For all theory courses, the continuous internal assessment will carry 40 marks while the end

semester examination will carry 60 marks.

11.2.2 For all theory courses with laboratory components, the continuous internal assessment will

carry 50 marks while the end semester examination will carry 50 marks.

11.2.3 For all laboratory courses, the continuous internal assessment will carry 60 marks while the

end semester examination will carry 40 marks.

11.2.4 The continuous internal assessment for the project work will carry 60 marks while the end

semester examination will carry 40 marks.

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- 11.3 Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.
- 11.4 The end semester examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.
- 11.5 The end semester examination for project work shall be conducted with the evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.
- 11.6 For the end semester examination of practical courses including project work, the internal and external examiners shall be appointed by the Controller of Examinations.

12.PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory courses, laboratory courses, theory courses with laboratory components and project work the continuous assessment shall be carried out according to the procedure given below.

12.1 Theory Courses

Two assessments each carrying 100 marks shall be conducted during the semester. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to both the assessments).

Assessment I (1	00 Marks)	Assessment II (100 Marks)		Total Internal	
Individual Assignment / Case Study / Seminar / Course specific Mini Project	Written Test	Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Assessment	
40	60	40	60	200*	

^{*} The weighted average shall be converted into 40 marks for internal Assessment.

Two internal assessments will be conducted as the part of continuous assessment. Each internal assessment is to be conducted for 100 marks and will have to be distributed in two parts viz., individual assignment/case study/seminar/course specific mini project and test with each having a weightage of 40% and 60% respectively. The tests shall be in written mode. The total internal assessment marks of 200 shall be converted into a maximum of 40 marks and rounded to the nearest integer.

12.2 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: 75% marks shall be awarded for successful completion of all the prescribed experiments done in the laboratory and 25% marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer.

Internal Assessment (100 Marks) *						
Evaluation of Laboratory Observation, Record Test						
75	25					

^{*} Internal assessment marks shall be converted into 60 marks.

12.3 Theory Courses with Laboratory Components

Weightage of internal assessment and end semester examination marks will be 50% each. The distribution of marks for the theory and laboratory components in the internal assessments and end semester examination for different types of courses are provided in the table.

_	Т	Internal		D	End Semester Examination	
L	1	Ρ		Assessment 1	Assessment 2	
1	0	4	3	Laboratory (25%) Theory (25%)		Laboratory only (50%)
1	0	2	2	Laboratory (25%)	Theory (25%)	Laboratory only (50%)

2	0	2	3	Theory (25%)	Laboratory (25%)	Theory (25%) Laboratory (25%)
3	0	2	4	Theory (25%)	Laboratory (25%)	Theory (35%) Laboratory (15%)
2	0	4	4	Theory (25%)	Laboratory (25%)	Theory (15%) Laboratory (35%)

The procedure for the conduct of internal assessments for theory and laboratory components shall be as per the clause 12.1 and 12.2 respectively. The weighted average shall be converted into 50 marks for internal Assessment.

12.4 Project Work / Internship

The student shall register for Project work / Internship in final semester. Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The student is also permitted to undergo a semester long internship in an industry/ academic / research institution.

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- 12.4.1 Project work shall be carried out under the supervision of a faculty member in the department concerned.
- 12.4.2 The project work/ internship carried out in industry/academic/research institutions shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization. The student shall be instructed to meet the supervisor periodically and to attend the review meetings for monitoring and evaluating the progress. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the Institution and a suitable record of the meetings shall be maintained.
- 12.4.3 The Head of the Institution shall constitute a review committee for project work/ internship for each programme. The review committee consists of a supervisor, an 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 industrial projects

/ internship, the review committee shall consist of the supervisor, the coordinator from the industry and the project coordinator from the department.

There shall be three reviews conducted by the review committee. The student shall make a presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced for **60 marks** and rounded to the nearest integer (as per the scheme given in 12.4.4).

Amendment - Lr.No.: Regul.Amend./2023//01 Dated 15.07.2023

12.4.4 The project / internship report shall carry a maximum of **10 marks**. The project/internship report shall be submitted as per the approved guidelines as given by the Dean-Academics. Same marks shall be awarded to every student within the project group for the project report. The vivavoce examination shall carry **30 marks**. Marks awarded to each student of the project group is based on the individual performance in the vivavoce examination.

Conti	nuous Asses	ssment	End semester Examinations			
	(60 Marks)			(40 N	Marks)	
Review I	Review II	Review III	Project Report	Viva-Voce	Examinatio	on
20	20	20	External	Internal	External	Supervisor
			10	10	10	10

In the case of industrial projects the marks allotted for supervisor will be shared equally by the supervisor from the Department and coordinator from industry.

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12.4.5 The last date for submission of the project / internship report is on the last working day of the semester. If a student fails to submit the project / internship report on or before the specified

deadline, it will be considered as fail in the Project Work / Internship and the student shall reregister for the same in the subsequent semester.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

12.4.6 Students shall also undertake a start-up activity for the development of products as part of project work. If the outcome of a start-up is a fully developed product and whose concept is tested and validated then it shall be considered in lieu of the project work. Such student shall submit a start-up report, which includes the concepts and process flow of the developed product, publications and patents, if any. The evaluation of the start-up report is as per the clause 12.4.4

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12.5 Other Employability Enhancement Courses

(a) The Seminar / case study / course specific mini project is to be considered as purely INTERNAL (with 100% internal marks only).

Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and marks can be equally apportioned.

The three-member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the department will evaluate the seminar. At the end of the semester, the marks shall be consolidated for final. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The industrial training or internship shall carry 100 marks and shall be evaluated through internal assessment only.

At the end of industrial training / Internship, the student shall submit an attendance certificate from the organization where he / she has undergone training and a brief report.

The evaluation will be made based on this report and a viva-voce examination, conducted internally by a three-member departmental committee constituted by the Head of the Institution consisting of the course coordinator and two experts from the department.

The certificates (issued by the organization) submitted by the students shall be attached to the mark

list sent by the Head of the Institution to the Controller of Examinations.

(c) For all the courses under employability enhancement courses category, except the project work/

internship, the evaluation shall be done with 100% internal marks and as per the procedure

described in clause 12.5 (a) / (b).

12.6 Assessment for Value Added Courses

The value-added course shall carry 100 marks and shall be evaluated through continuous

assessments only.

Two Assessments shall be conducted during the semester by the Department concerned. The total

marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer.

A committee consisting of the Head of the Department, staff handling the course and a senior

faculty member nominated by the Head of the Institution shall do the evaluation process. The list

of students along with the marks and the grades earned shall be forwarded to the Controller of

Examinations for appropriate action at least one month before the commencement of End Semester

Examinations.

The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet,

however the same shall not be considered for the computation of CGPA.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

12.7 Omitted

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

12.8. Internal marks

Internal marks approved by the Head of the Institution shall be displayed by the respective HODs

within 5 days from the last working day.

12.9 Attendance and Assessment Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD', which

consists of attendance marked in each lecture/ practical/project work class, the test marks and the

record of class work (topic covered), separately for each course. 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 test marks and attendance. The Head of the Department will verify and sign the records. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years).

12.10 Conduct of Academic Audit

In order to ensure the better quality of teaching and learning process, academic audit is to be done for every course taught during the semester. For the internal assessments conducted for each course as per details provided in Clause 12, the academic records shall be maintained in the form of documentation (Softcopy) for the individual assignments / case study report / report of mini project submitted by each student and assessment test question paper and answer script. Report of industrial training / internship shall also be maintained, if applicable. For laboratory courses students' record shall be maintained. Further, the attendance of all students shall be maintained as a record.

The Dean - Academics shall arrange to conduct the academic audit for every course in a semester by forming the respective committees with an external expert as one of the members drawn from a technical institution of repute near the institute.

13. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATIONS

A student shall normally be permitted to appear for the end semester examinations for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (as per clause 7). 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. A student who has already appeared for any course in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

14. PASSING REQUIREMENTS

14.1 A student who secures not less than 50% of total marks prescribed for the course [internal assessment + 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 theory, theory with laboratory components and laboratory courses (including project work).

14.2 If a student fails to secure a pass in a theory course / theory course with laboratory components/ laboratory course (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such cases, 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 third attempt onwards if a student fails to obtain pass marks (IA + end semester examination) as per clause 14.1, 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 the course, in which the student has failed, is a professional elective or an open elective course, the student may be permitted to complete the same course in the subsequent semesters. 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 candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA + end semester examination) as per clause 14.1, then the candidate shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone.

If any other professional elective or open elective course is opted by the student, the previous registration is canceled and henceforth it is to be considered as a new professional elective or open elective course. The student has to register and attend the classes, earn the continuous assessment marks, fulfill the attendance requirements as per clause 7 and appear for the end semester examination.

14.4 If a student has submitted the project report but absent in the end semester examination of project work, the student is deemed to be failed. In this case and also if a student attends and fails

in the End semester examination of Project work of B.E./B.Tech, he/she shall attend end semester examination again within 60 days from the date of declaration of the results. The subsequent vivavoce examination will be considered as reappearance with payment of exam fee. In case, the student fails in the subsequent viva-voce examination also, the student shall redo the course again, when offered next.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

14.5 The passing requirement for the courses which are assessed only through purely internal assessments (EEC except Project Work and laboratory) and Mandatory courses is 50% of the internal assessment (continuous assessment) marks only.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

14.6 A student can apply for revaluation of the student's semester examination answer paper in a theory course, as per the guidelines of the Controller of Examinations on payment of a prescribed fee along with prescribed application to the Controller of Examinations through the Head of the Institution. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory courses and EEC courses.

15. AWARD OF LETTER GRADES

15.1 The award of letter grades will be decided using relative grading principle except Laboratory Courses and Project Work. The performance of a student will be reported using letter grades each carrying certain points as detailed below:

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	56-60
C (Satisfactory)	5	50-55
U (Re-appearance)	0	<50

SA (Shortage of Attendance)	0	-
WD (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".

'SA' denotes shortage of attendance (as per clause 7.3) and hence prevents students from writing the end semester examinations. 'SA' will appear only in the result sheet.

"U" denotes that the student has failed to pass in that course. "WD" denotes withdrawal from the exam for the particular course. The grade 'U' and 'WD' will figure both in the grade sheet as well as in the result sheet. In both cases, the student has to appear for the end semester examinations as per the regulations.

If the grade U is given to theory courses/ laboratory courses, it is not required to satisfy the attendance requirements (vide clause 7), but the candidate has to appear for the end semester examination and fulfill the norms specified in clause 14 to earn a pass in the respective courses.

If the grade U is given to EEC courses (except project work), which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester, fulfill the norms as specified in clause 14 to earn pass in the course. However, attendance requirements need not be satisfied.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

15.1.1 Relative Grading

For those students who have passed the course (theory course / laboratory integrated courses / theory integrated courses / all other EEC except laboratory course / Project Work Courses), the relative grading shall be done. The marks of those students who have passed only shall be inputted in the software developed for relative grading. The evolved relative grading method normalizes the results data using the BOX-COX transformation method and computes the grade range for each course separately and awards the grade to each student. If the students' strength is greater than 30, the relative grading method shall be adopted.

Amendment - Lr.No.: Regul.Amend./2023//01 Dated 15.07.2023

15.1.2 Absolute Grading

- ❖ In all the courses, if the number of students who have passed the course is less than or equal to 30 then absolute grading shall be followed with the grade range as specified in the Table.
- ❖ For the Project Work / Internship and Laboratory Courses, absolute grading procedure shall be followed as given in the Table below irrespective of the number of students who have passed the course.

Table - Grade range for absolute grading

0	A +	A	B+	В	C	U
91-100	81-90	71-80	61-70	26-60	50-55	<50

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15.2 For the co-curricular activities such as NCC / NSS / NSO / YRC / Science club / Literary Club / Fine Arts Club, a 'completed' remark will appear in the Grade Sheet on successful completion of the same. Every student shall put in a minimum of 75% attendance in the training and attend the camp or events of the clubs compulsorily. The training and camp or club events shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the subsequent years. Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.

15.3 The grades O, A+, A, B+, B obtained for the one/two credit course (not the part of curriculum) shall be shown in the grade sheet under the title 'value added courses/internship/industrial training'. The courses for which the grades obtained are RA and SA will not figure in the grade sheet.

15.4 Omitted

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

15.5 GRADE SHEET

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

- ❖ The college in which the student has studied
- List of courses studied including for Hons., minor and any other additional courses in which the student has passed with the grades under the title additional courses.
- The Grade Point Average (GPA) for the semester considering only the courses of curriculum (not the additional courses) and
- ❖ The Cumulative Grade Point Average (CGPA) of all courses registered from first semester onwards considering only the courses of curriculum (not the additional courses). However, for the students who have successfully completed the requirements of B.E. / B. Tech. (Hons) and B.E. / B.Tech. Minor vide Clause 4.12, grades scored in the six additional courses shall be taken into account for the computation of CGPA.

During each semester, the list of curricular courses (not the additional courses) registered and the grades scored in each course are used to compute the Grade Point Average (GPA).

GPA is the ratio of the sum of the products of the number of credits of curricular courses (not the additional courses) registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.

U grades will be excluded for calculating GPA and CGPA.

$$\begin{array}{c} N \\ \sum \text{Ci GPi} \\ i=1 \\ \\ \text{GPA/CGPA} = & \\ N \\ \sum \text{Ci} \\ i=1 \\ \end{array}$$

where

Ci is the number of credits assigned to the course.

GPi is the point corresponding to the grade obtained for each course.

N is the 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.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

15.5.1 If a student studies more number of professional and open electives than required as per the student's programme curriculum, the calculation of final CGPA shall be as per 4.12.6 and 4.12.7.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

15.5.2 If a student successfully completes all the requirements of the programme and also meets the requirements of B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor but desires not to opt for the additional qualification, then he/she has to submit a declaration with regard to the same 30 days before the completion of semester VIII.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

15.5.3 In the consolidated grade sheet the CGPA earned shall be converted into percentage of marks as follows:

Percentage of Marks = $CGPA \times 10$.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

16.1 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 within the period as prescribed in clause 5.

- III. successfully passed any additional courses prescribed by Dean-Academics whenever the student is re-admitted under regulations R-2022 from the earlier regulations.
- IV. successfully completed the NCC / NSS / NSO / YRC / science club / literature club / fine arts club requirements.
- V. no disciplinary action pending against the student.
- VI. successfully passed all the prescribed mandatory non-credit courses.
- VII. the award of degree must have been approved by the syndicate of the university.

16.2 CLASSIFICATION OF THE DEGREE AWARDED

16.2.1 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 (6 semesters in the case of Lateral Entry) in the student's First Appearance within five years (Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 22) will not be considered as an appearance.
- Should have secured a CGPA of not less than 8.50.
- One year authorized break of study (if availed of) is included in the five years (four years in the case of lateral entry) for award of First class with Distinction.
- Should not have been prevented from writing end semester examination in any of the courses of the Curriculum making up the total credit requirement.
- A student who satisfies norms given in clause 4.12 becomes eligible for classification of the degree with B.E./B.Tech. (Hons) and B.E./B.Tech. minor.

Details are provided in the following Table: 16.2.1 First Class with Distinction

Degree (i)	Duration of program me (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CG PA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance	Withdrawa I from writing end semester examinatio n (viii)
B.E. / B.Tech (Regular)	4 Years	5 Years	-	8.5	First attem pt	One-year authorized Break of study included in the duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E. / B.Tech (Lateral Entry)	3 Years	4 Years		8.5	First attem pt	One-year authorized Break of study included in the duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./B.Tec h. (Honours)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	8.5	First attem pt	One-year authorized Break of study included in the duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./B.Tec h. Minor	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	8.5	First attem pt	One year authorized Break of study included in the duration permitted (iii)	Not permitted	Will not be considered as an attempt

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16.2.2 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 (6 semesters in the case of Lateral Entry) within five years (within Four years in the case of Lateral Entry).
- One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First class.
- Should have secured a CGPA of not less than 6.50.

• A student who satisfies norms given in clause 4.12 becomes eligible for classification of the degree with B.E./B.Tech. (Honours) and B.E./B.Tech. minor.

Details are provided in the following Table: 16.2.2 First Class

Degree (i)	Duration of program me (ii)	Duration permitted (iii)	Additional credits above the requireme nt of curriculum (iv)	CG PA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance	Withdrawal from writing end semester examination (viii)
B.E. / B.Tech (Regul ar)	4 Years	5 Years	-	6.5		One-year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)	-
B.E. / B.Tech (Latera 1 Entry)	3 Years	4 Years		6.5	-	One-year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)	-
B.E./B. Tech. (Honou rs)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	7.5	First attem pt	One-year authorized Break of study included in the duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./B. Tech. minor	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	6.5	-	One-year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)	-

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16.2.3 Second Class

Students who pursue B.E./B.Tech. in Regular mode or lateral entry mode or B.E./B.Tech. minor in specialisation of another discipline and who are not covered in clauses 16.2.1 and 16.2.2 and who qualify for the award of the degree (vide Clause 16.1) shall be declared to have passed the examination in Second Class.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

16.2.4 A student who is absent in the 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 22) for the purpose of classification.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

16.2.5 Student earned additional 18 credits as per Clause 4.12 (i) and (ii) but does not satisfy the conditions mentioned in 16.2.1 or 16.2.2 shall not be awarded B.E./B.Tech. (Hons.) In such case if the student becomes eligible for First Class, while computing CGPA with the Professional Elective / Open Elective courses with higher grades the student shall be awarded B.E. / B.Tech. in First Class only.

Amendment - Lr.No.: Regul.Amend./2024//01 Dated 20.01.2024

16.3 A student who is absent in the end semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification. (subject to clause 17).

16.4 Photocopy / Revaluation

A student can apply for a photocopy of his/her semester examination answer paper in a theory course and theory course with laboratory components, as per the guidelines of the Controller of Examinations, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institution. The answer script is to be valued and justified by a faculty member who has handled the subject and he/she shall 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 Institution. Revaluation is not permitted for practical courses and EEC courses.

16.5 Review

Students not satisfied with revaluation can apply for review of his/ her examination answer paper in a theory course and theory course with laboratory components, within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institution.

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

17. PROVISION FOR AUTHORIZED BREAK OF STUDY

17.1 A student is permitted to go on authorized break of study for a maximum period of one year as a single spell.

17.2 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 an additional break of study not exceeding another year. If a student intends to temporarily discontinue the programme in the middle of the semester for valid reasons and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case, provided he / she applies to the Dean, Student Affairs 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 and the probable date of re-joining the programme.

17.3 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 rejoining. The students re-joining in new regulations shall register for additional courses, if any, as notified by the Dean, Academics 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.

17.4 The authorized break of study is included in the duration specified for passing all the courses for the purpose of classification (vide Clause 16.2).

17.5 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 in clause 5.1, irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

17.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'break of study' (Clause 17.1).

17.7 If a student wants to take up a job / start-up / entrepreneurship during the period of study, he/she shall apply for an authorized break of study for one year. The student shall join the job / start-up / entrepreneurship only after getting approval of the same by the Dean, Academics with due proof to that effect.

17.8 No fee is applicable to students during the break of study period.

18. DISCIPLINE

18.1 Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the College.

The Head of the Institution shall constitute a disciplinary committee consisting of the deanstudents affairs, two heads of departments 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.

18.2 If a student indulges in malpractice in any of the end semester / internal examinations, he / she shall be liable for punitive action as prescribed by the college from time to time.

19. VALUE EDUCATION

In order to make the students understand the importance of social values and ethics, value education is made mandatory for all students. The students have to attend VALUE EDUCATION classes at our college conducted by faculty members.

20. EXTRA ACTIVITY CREDITS

It is suggested for all the UG students to earn a minimum of 20 extra activity credits in addition to regular academic credits prescribed in the curriculum for the holistic development.

The list of programmes, courses and other activities coming under EAC are given in the programme curriculum. The students are free to choose any activity/course under EAC of their option and shall complete the same within the stipulated period.

The students should have earned a total of 20 credits (15 credits for LES students) under EAC for the award of the degree. Faculty Mentor shall see that each student under them complete a minimum of 5 credits in each year so that they can earn a total of 20 credits (15 credits for LES students) at the end of the programme in a comfortable way.

21. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

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

22. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

22.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by the Chairman, Sports Board / Centrally Organized NCC / NSS Camps approved by the concerned authority / Any other such valid genuine matters approved by the competent authorities 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 Principal through the Head of the Department with required documents.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

22.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) and if it is made within TEN days after the date of the examination(s) in that course or courses and recommended by the Head of the Department and approved by the Principal. For a

student to withdraw from a course / course, he/she should have registered for the course, fulfilled the attendance requirements (vide clause 7) and earned continuous assessment marks.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

22.2.1 Notwithstanding the requirement of mandatory 10 days, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

22.3 In case of withdrawal from a course / courses, the courses will figure both in the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

22.4 If a student withdraws from writing end semester examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the end semester examination(s). *Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024*

22.5 If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only if the student has submitted the project report before the deadline. However, the student may appear for the viva-voce examination within 60 days after the declaration of results for Project Work and the same shall not be considered as reappearance.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

22.6 Withdrawal is permitted for the end semester examinations in the final semester, as per clause 16.2.1.

Amendment - Lr.No.: Regul.Amend./2024//02 Dated 29.07.2024

Annexure 1: Extra Activities with Credits

Sl.No	Activity	Credits
1.	National Service Scheme (NSS) / National Cadet Corps (NCC)/ Youth Red Cross (YRC) / National Sports Organization (NSO)	2 Credits for whole program duration
2.	Department Association	1 Credit per Semester
3.	Technical Association	1 Credit Per year
4.	College Clubs activities	1 Credit for 2 years
5.	Value added training	1 credit course 2 numbers / 2 credit course 1 number
6.	Industry recognized Certification training	2 Credits / Certificate
7.	Presentation in Symposia	0.5 Credit
8.	Presentation in Conference	1 Credit
9.	Publication in magazine	0.5 Credit
10.	Publication in google scholar journal	1 Credit
11.	Publication in Scopus Journal	2 Credits
12.	Publication SCI Journal	4 Credits
13.	Patent Filed	1 Credit
14.	Patent Published	2 Credits
15.	Patent Granted	4 Credits
16.	Sponsored Projects - Grant from Private Agency	2 Credits
17.	Sponsored Projects - Grant from Government Agency	4 Credits
18.	Innovation & Start-up - Participation in competitions	1 Credit
19.	Innovation & Start-up - Participation in MSME Projects	1 Credit
20.	Clearing Proficiency examination like GRE /TOEFL /IELTS GATE /GMAT / CAT	4 Credits

21.	Appearing Proficiency examination like GRE /TOEFL /IELTS GATE /GMAT / CAT	1 Credit
22.	Obtain prize for district level sports meet	1 Credit
23.	Participation in state level sports meet	1 Credit
24.	Obtain prize for state level sports meet	2 Credits
25.	Participation in national level sports meet	2 Credits
26.	Obtain prize for national level sports meet	3 Credits
27.	Participation in inter-national level sports meet	3 Credits
28.	Obtain prize for Inter-national level sports meet	4 Credits
29.	Obtain prize for district level technical meet	1 Credit
30.	Participation in state level technical meet	1 Credit
31.	Obtain prize for state level technical meet	2 Credits
32.	Participation in national level technical meet	2 Credits
33.	Obtain prize for national level technical meet	3 Credits
34.	Participation in inter-national level technical meet	3 Credits
35.	Obtain prize for Inter-national level technical meet	4 Credits
36.	Obtain prize for district level cultural meet	0.5 Credit
37.	Participation in state level cultural meet	0.5 Credit
38.	Obtain prize for state level cultural meet	1 Credits
39.	Participation in national level cultural meet	1 Credits
40.	Obtain prize for national level cultural meet	2 Credits
41.	Participation in inter-national level cultural meet	2 Credits
42.	Obtain prize for Inter-national level cultural meet	3 Credits
43.	100% attendance	0.5 Credit per Semester
44.	Representatives for college level committees	1 Credit for whole program duration
45.	Bravery award	2 Credits

46.	NPTEL course certification	3 credits if not claimed for the curriculum credit
47.	Special awards	As per the decision taken by AAC meeting when requested

