

**KGiSL INSTITUTE OF TECHNOLOGY : COIMBATORE – 641 035****REGULATIONS 2024****CHOICE BASED CREDIT SYSTEM****Common to all B.E. / B. Tech. Full-Time Programmes**

**(For the students admitted to B.E. / B.Tech. Full-Time Programmes  
from the Academic year 2024 - 2025 onwards)**

**1. PRELIMINARY DEFINITIONS AND NOMENCLATURE**

In this Regulation, unless the context otherwise specifies:

- I. “Programme” means Degree Programme that is B.E./B.Tech. Degree Programme.
- II. “Discipline” means specialization or branch of B.E./B.Tech. Degree Programme, like Computer Science and Engineering, Mechanical Engineering, etc.
- III. “Course” means a theory or theory with practical or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.
- VI. “Head of the Institution” means the Principal of the College.
- VII. “Head of the Department (HoD)” means the Head of the Department concerned.
- VIII. “Controller of Examinations (CoE)” means the authority of the College who is responsible for all activities of the Examinations process.
- IX. “University” means ANNA UNIVERSITY, CHENNAI.

**2. ADMISSION**

**2.1** Candidates applying for admission to the first semester of the eight-semester B.E./B.Tech. Degree program must meet one of the following eligibility criteria:

**(i) Academic Stream**

They should have successfully completed the Higher Secondary Examination (10+2 curriculum) as prescribed by the Government of Tamil Nadu, with Mathematics, Physics, and Chemistry as three of the four subjects studied under Part-III.

Alternatively, they should have passed an equivalent examination recognized by the Syndicate of Anna University.

**(ii)Vocational Stream**

They should have completed the Higher Secondary Examination in the Vocational Stream (Engineering/Technology groups) as prescribed by the Government of Tamil Nadu.

**2.2 Lateral Entry Admission****(i) Diploma Holders**

Candidates who hold a Diploma in Engineering/Technology awarded by the State Board of Technical Education, Tamil Nadu, or an equivalent qualification are eligible to apply, following the rules set by the Government of Tamil Nadu.

**(ii) Science Graduates**

Candidates with a B.Sc. Degree (10+2+3 stream) in Science, with Mathematics as a subject at the B.Sc. level, are also eligible to apply to the III Semester of B.E./B.Tech. Programmes. Such candidates must complete two additional Engineering courses during the third and fourth semesters as prescribed by the University.

**3. PROGRAMMES OFFERED**

The following are the discipline of study under B.E. / B.Tech. Programme.

**Bachelor of Engineering**

- Computer Science and Engineering
- Computer Science and Engineering (Artificial Intelligence and Machine Learning)
- Computer Science and Engineering (Cyber Security)
- Electronics and Communication Engineering
- Mechanical Engineering

**Bachelor of Technology**

- Artificial Intelligence and Data Science
- Computer Science and Business Systems
- Information Technology

**4. STRUCTURE OF THE PROGRAMME****4.1 Categorization of Courses**

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

**Humanities, Social Sciences and Management Courses (HSMC)**

include Professional English, Communication skills etc.

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

**Engineering Sciences Courses (ESC)** include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc.

**Professional Core Courses (PCC)** include the core courses relevant to the chosen discipline including Fractal Courses.

**Professional Elective Courses (PEC)** include the elective courses relevant to the chosen discipline. Professional Elective courses are offered under different verticals (specialization groups).

**Open Elective Courses (OEC)** include the courses offered from other disciplines, from the list specified in the respective curriculum of B.E./B.Tech. Programme.

**Employability Enhancement Courses (EEC)** include Mini Project, Project Work, Industrial Training / Internship, NCC, Comprehension Courses, Value Added Courses, One Credit Courses, Career Progression Courses, Skill Development Courses, Personality and Character Development, etc.

**Mandatory courses (MC)** include the courses such as Meditation & Yoga, Human Values, Wellbeing, Professional ethics, Disaster management, Indian Constitution and Knowledge System, etc.

**Credit Allocation Frame Work**

<b>S.No.</b>	<b>Category of Courses</b>	<b>Suggested Breakup of Credits</b>
1	Humanities, Social Sciences and Management Courses (HSMC)	10-13*
2	Basic Science Courses (BSC)	23 - 27*
3	Engineering Science Courses (ESC)	18-22*
4	Professional Core Courses (PCC)	50-62*
5	Professional Elective Courses (PEC)	15-18*
6	Open Elective Courses(OEC)	6*
7	Employability Enhancement Courses (EEC)	31-36*
8	Mandatory Courses (MC)	Non Credit
	<b>Total</b>	<b>165 - 170*</b>

\*Minor Variation is allowed as per the need of the respective disciplines

## 4.2 Personality and Character Development

### 1. Activity Points Requirement

- First-year students are required to earn 120 points in total.
- Second-year students (lateral entry or transfer students) are required to earn 80 points in total.
- In each semester (from the 1<sup>st</sup> to the 6<sup>th</sup> semester), students are required to earn 20 activity points.

### 2. Types of Activities: The activities that count toward earning these points include:

- NSS (National Service Scheme)
- NCC (National Cadet Corps)
- Soft Skill Training (e.g., communication skills, aptitude, quantitative skills, etc.)
- Training and Placement
- Technical Associations
- Sports
- Entrepreneurship
- Approved Extracurricular Activities
- Curricular Activities
- Sansad Adarsh Gram Yojna (SAGY)

### 3. Activity Points Calculation

- 1 hour of participation in an activity equals 1 activity point.
- These points do not count toward CGPA but are essential for fulfilling the graduation requirements.

### 4. Certification: Students may be issued with Certificates for completing the Activities.

### 5. Completion Criteria

A student must accumulate the required number of activity points each semester (20 points per Semester).

If a student does not meet the required points in a Semester, they must earn the remaining points in the subsequent Semesters.

### 6. Specific Activity Guidelines

**NCC:** Students must undergo 60 hours of parade, theory, and drills during 2<sup>nd</sup>, 4<sup>th</sup>, and 6<sup>th</sup> semesters. Each parade will earn 2 points. However, these points do not contribute to CGPA.

**Soft Skill Training:** Students are required to undergo 2 hours of soft skills training every week, earning 1 activity point for every 2 hours of training, with a maximum of 10 points allowed for this activity.

This approach is designed to encourage a broad range of activities, combining technical, societal, and personal development, and ensures that students engage with different aspects of extracurricular and social initiatives.

### **4.3 Induction Programme**

The students are expected to undergo a mandatory 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 immediately after admission.

List of students who have successfully completed the Induction Programme shall be certified by the Head of the Department and approved by the Head of the Institution and to be forwarded to Controller of Examinations.

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.

### **4.4 Number of credits per semester**

Each semester curriculum shall normally have a blend of Courses may be classified as Theory courses, Laboratory Courses and Theory with laboratory courses including Honors and Minors. The total number of credits per semester generally shall not exceed 33\* including Employability Enhancement Course(s). Each Course shall have credits assigned as per clause 4.5

Any credits over this will be decided based on the recommendation from the Department Academic Committee

### **4.5 Credit Assignment**

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

<b>Contact period per week</b>	<b>CREDITS</b>
1 Lecture Period	1
1 Tutorial Period	1
1 Laboratory Period	0.5

#### **4.6 Community Outreach and Intervention through Technical Activities**

A Community Outreach Project is a project carried out by an individual or group of students to apply their knowledge and skills for the benefit of a deprived or underdeveloped community.

Students may earn academic credits for their involvement in Community Outreach and Intervention activities, which focus on innovative technical solutions. It is recommended that these teams be interdisciplinary, drawing students from multiple disciplines, rather than being composed of a single discipline.

Students are encouraged to allocate time outside their regular academic hours to identify problems, preferably in rural communities or those faced by common individuals, and provide solutions. A report documenting their findings and work should be submitted by the end of the 4<sup>th</sup> Semester. The report can be evaluated by a team of senior faculty members (preferably three) nominated by the Head of the Department.

During the 5<sup>th</sup> and 6<sup>th</sup> Semesters, students are required to create a prototype to address a community-related problem. A final project report, detailing the design, development, and outcomes of the prototype, must be submitted by the end of the 6<sup>th</sup> semester. This report can be evaluated by a team of senior faculty members (preferably three) nominated by the Head of the Department and approved by the Head of the Institution.

#### **4.7 Industrial Training/ Internship**

Students are required to complete a minimum of 6 weeks of Industrial Training/Internship, as specified in the curriculum, typically during the summer vacation. The training must be undertaken continuously for a period of at least two weeks at a time.

Students must earn 3 credits for the successful completion of the Industrial Training/Internship, which is mandatory to complete the program. The Industrial Training/Internship shall be carried out in two separate spells:

- 2 weeks at the end of the 4<sup>th</sup> semester (relevant to the student's department)
- 4 weeks at the end of the 6<sup>th</sup> semester (relevant to the student's department)

The training may be undertaken at research organizations, reputed academic institutions, or industries with the approval from both the Head of the Department and the Head of the Institution.

After completing the 2-week Industrial Training/Internship at the end of the 4<sup>th</sup> semester, students must submit a report within 5 working days from the commencement of the 5<sup>th</sup> semester or from rejoining. The report will be evaluated by a team of senior faculty members (preferably three) nominated by the Head of the Department.

After completing the 4-week Industrial Training/Internship at the end of the 6<sup>th</sup> semester, students must submit a report within 15 working days from the commencement of the 7<sup>th</sup> semester or within 5 days of rejoining. The report will again be evaluated by a team of senior faculty members (preferably three) nominated by the Head of the Department.

An attendance certificate mentioning the period of Industrial Training/Internship signed by the competent authority shall be submitted to the Head of the Department. The attendance / completion certificate shall be submitted to the Controller of Examinations by the Head of the Department for processing results within 30 working days from the commencement of 5<sup>th</sup> semester (for 2 weeks) and 7<sup>th</sup> semester (for 4 weeks) respectively.

<b>DURATION OF TRAINING/INTERNSHIP</b>	<b>CREDITS</b>
2 Weeks*	1
4 Weeks*	1

\*1 Week = 40 Internship Hours

#### **4.8 Industrial Visit**

Every student is required to participate in at least one Industrial Visit every year, starting from the second year of the program. The Heads of Departments are responsible for facilitating these visits.

#### **4.9 One Credit Courses**

Students may opt for one-credit course of 15 hours duration which will be offered by industry experts on specialized topics. These courses can be completed during the semesters 3 to 7 as and when it is offered by the respective departments. The number of credits earned will be considered as additional credits and will not be included in the GPA/CGPA calculation.

#### 4.10 Value Added Courses

Students are required to undergo Value Added Courses and the credits earned from these Courses will in addition to the total credit requirement prescribed in the curriculum for the award of the degree.

Courses with two credits shall be offered by Departments during semesters 3 to 7, subject to prior approval from the Head of the institution. Students should have passed a minimum of three value added courses out of five during his/her course of study.

All the Value Added Course offered to the students should have been recommended by the Department Advisory Committee (DAC) and approved by the Head of the Institution prior to offering the courses. The syllabus, timetable and resource person details should be submitted to the Controller of Examinations after receiving approval from the Head of the Institution.

Students are allowed to take Value Added Courses offered by other Departments as well. However, this requires the prior permission of both the Head of the Department of the student and the Head of the Department offering the course, with final approval from the Head of the Institution.

<b>DURATION OF VALUE ADDED COURSES</b>	<b>CREDITS</b>
45 Hours (Inclusive of theory and Practical session)	2

#### 4.11 MOOC courses offered through SWAYAM Platform

Students are permitted to optionally enroll in and study MOOC courses (offered by NPTEL, AICTE, CEC, IIMB, UGC etc.,) through SWAYAM platform from 4<sup>th</sup> to 7<sup>th</sup> semester with the approval of the Head of the Department.

Students may be permitted to complete a maximum of four MOOC courses (subject to a maximum of twelve credits) throughout their course of study. These can replace Professional/Open Elective Courses. For students pursuing an Honors / Minor degree, additional two MOOC courses (3 credits each) are permitted for credit waiver. A Department level committee must approve the courses for credit waiver. The Committee consists of the Head of the Department, Programme Coordinator, Senior Faculty member and the department SWAYAM coordinator. The committee finalizes the courses to be permitted for credit waiver. The Committee also inform students about the



selected MOOC courses before the semester begins and designates a Course Coordinator for the MOOC courses to guide the students throughout the course, submit the certificates and marks earned by the students to the office of the Controller of Examinations when students request for credit waiver. A MOOC course with a minimum of 3 credits can replace one Professional / Open Elective course.

Credits earned through MOOC courses are eligible for waiver of a Professional/ Open Elective, provided if these credits have not been claimed elsewhere. However, it is limited to one such course per semester. The waiver is considered for every three credits earned through MOOC course. The courses selected may not necessarily be part of the list of Professional/Open Elective courses in the curriculum.

If the credits earned through MOOC courses exceed the curriculum's specified credits, only the credits mentioned in the curriculum will be considered for waiver.

If the credits earned are less than the required credits for a waiver, they will not be considered for a waiver but will be treated as additional credits.

The mapping of marks to grades will be based on the procedure explained in the table below (if applicable). The grade mapping applies only if the student passes the course according to the SWAYAM guidelines.

#### **Duration of the course and Number of credits**

<b>Sl. No.</b>	<b>No. of Weeks</b>	<b>No. of Credits</b>
<b>1</b>	4	1
<b>2</b>	8	2
<b>3</b>	12	3

#### **Mapping of Marks scored in MOOC course and Credits earned**

<b>Letter Grade</b>	<b>Marks</b>
<b>O</b>	90-100
<b>A+</b>	80-89
<b>A</b>	70-79
<b>B+</b>	60-69
<b>B</b>	50-59
<b>C</b>	40-49

#### 4.12 Guided Self Study Courses

Students who are in the 7th semester, have no history of arrears, and maintain a CGPA greater than 8.0 are eligible to register for one Professional Core Course as a guided self-study course, subject to the approval of the Department Academic Committee (DAC).

#### 4.13 Comprehension Courses:

Students are required to recollect and review the technical knowledge acquired during the course of their study. This course is mandatory and serves as a review of the courses taken in earlier semesters. Evaluation for this course will be conducted through internal assessment only. Students will earn credits for this course, which will be considered in the calculation of their GPA/CGPA.

#### 4.14 Mandatory Non-credit Courses

The student shall study the mandatory non-credit courses as specified in the curriculum. These courses will be shown in the grade sheet. However, they will not be considered in the computation of the GPA/CGPA .

#### 4.15 Skill Development Course/Elective

Skill based experiential learning courses will be offered under two categories:

(i) Laboratory Courses and (ii) Theory with Laboratory Courses. One such course will be offered in every semester, from 2<sup>nd</sup> to 6<sup>th</sup> with the following credits.

Category	L	T	P	C
Laboratory Courses	0	0	4	2
	0	0	2	1
Theory with Laboratory Course	2	0	2	3

These courses may be offered with the support of identified industries, and will have one course coordinator from the institution and a mentor from the industry to ensure effective conduct of the course.

#### 4.16 Career Progression Course

Students will study a 'Career Progression Elective course' during the 4<sup>th</sup> semester, designed to help them pursue Research, Entrepreneurship, and Higher Education in their careers.

#### **4.17 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 completed additional courses from a specified group of Professional Electives (vertical) or from any of the verticals of the same programme, earning a minimum of 18 credits.
- b)** The student should have passed all the prescribed courses in the curriculum and additional courses in the first attempt.
- c)** The student should have earned a minimum CGPA of 8.0 taking into account all the prescribed courses in the curriculum and additional courses.

##### **(ii) B.E./B.Tech. Minor with specialisation in another discipline**

The student should have earned an additional minimum of 18 credits in any one of the verticals offered from Engineering Disciplines.

- 1.** For these 18 credits, students can optionally enroll and complete two MOOC courses earning a maximum of 6 credits through SWAYAM platform (in addition to the four MOOC courses permitted), with the approval of the Head of the Department and Head of the Institution.
- 2.** B.E / B.Tech. (Hons.) and B.E./B.Tech. (Minor) are optional for students, and students may choose only one of them.
- 3.** For the categories 4.17 (i), the students, including Lateral Entry, will be permitted to register for the courses from the 5<sup>th</sup> Semester onwards, provided they have earned a minimum CGPA of 8.0 until the 3<sup>rd</sup> Semester and have cleared all the courses in the first attempt.
- 4.** For the category 4.17 (ii), students, including Lateral Entry, will be permitted to register for courses from the 5<sup>th</sup> Semester onwards, provided they have earned a CGPA of 7.0 or above until the 3<sup>rd</sup> Semester.
- 5.** B.E/B.Tech. (Hons.) or B.E./ B.Tech. Minor will be offered by the Department irrespective of the number of students enrolled.
- 6.** If a student decides not to opt for Honours, after completing a certain number of additional courses, such additional courses completed shall be considered instead of the Professional Elective courses which are part of the curriculum.

If the student has completed more than the required number of Professional Elective courses, the extra courses will be considered for the calculation of CGPA. The remaining courses will be printed in the grade sheet as additional credits and they will not be included in the CGPA calculation.

If the student fails in additional courses or faces a shortage of attendance, these courses will not appear on the grade sheet and will not be considered for CGPA calculation or degree classification.

**7.** If a student decides not to opt for the Minor degree after completing a certain number of courses, those additional courses will be considered in place of Open Elective courses in the curriculum.

If the student has studied more than the required number of Open Elective courses, the extra courses will be considered for CGPA calculation. The remaining courses will be printed on the grade sheet as additional credits, which will not be included in the CGPA calculation.

If the student fails in additional courses or faces a shortage of attendance, these courses will not appear on the grade sheet and will not be considered for CGPA calculation or degree classification.

The student must enroll for these additional courses separately and has to pay an additional examination fee.

**8.** The credits earned for the additional 6 courses from the 5<sup>th</sup> to the 8<sup>th</sup> semester for the Honors/Minor degree will be accounted for calculating CGPA only at the end of the 8<sup>th</sup> semester.

#### **4.18 Additional credits**

A student must earn the total number of credits specified in the curriculum of the respective programme of study to be eligible for the degree. However, if the student wishes, they may earn additional credits beyond the required total. These additional credits will not be considered in the calculation of the GPA/CGPA. Following table gives details about such activities.

<b>1</b>	Each Publication (Scopus/SCI only)	Two credit
<b>2</b>	MOOC courses through SWAYAM portal	as recommended by the clause 4.11
<b>3</b>	Industrial Training / Internship (Over and above the requirement)	as per clause 4.7
<b>4</b>	One Credit /Value added courses	as per clause 4.9, 4.10
<b>5</b>	Winners in National / International level hardware / Software contest organized by Government Organization or Reputed Companies or Institutions like IITs, IIITs, NITs, Deemed Universities or other reputed institution.	One credit

#### **4.19 Medium of Instruction**

The medium of instruction for all courses, examinations, seminar presentations, and project work reports is English, except for courses offered in Tamil. Students if willing, can write their examination in English for such courses offered in Tamil.

### **5 DURATION OF THE PROGRAMME**

**5.1** A student is expected to complete the B.E./B.Tech. programme in 8 semesters (for HSC students) and 6 semesters (for Lateral Entry students). However, in no case shall the duration exceed 14 semesters for HSC (or equivalent) students and 12 semesters for Lateral Entry students.

**5.2** Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Department shall ensure that every teacher imparts instruction according to the number of periods specified in the syllabus and teaches the full content of the syllabus for the course being taught.

**5.3** The Head of the Institution may conduct additional classes for improvement, special coaching, model tests, etc., beyond the specified periods. However, for the purpose of calculating attendance requirements for writing the end-semester examinations (as per Clause 6), the following method shall be used.

$$\text{Percentage of attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{[\text{No. of periods per week as prescribed in the curriculum}] \times 15} \times 100$$

*taken together for all courses of the semester*

The End Semester Examination will normally take place immediately after the last working day of the semester, as per the academic schedule prescribed by the institution 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), for the student to be eligible for the award of the degree (vide clause 16).

## **6. COURSE REGISTRATION**

**6.1** Upon admission, each student will be assigned a Class Advisor (as per Clause 8), who will guide and counsel the student regarding the academic program details and course selection, taking into account the student's academic background and career goals.

**6.2** After registering for courses, students must attend classes, meet attendance requirements, earn continuous assessment marks, and sit for end-of-semester examinations.

**6.3** In their first semester, all students must register for the courses specified in the curriculum.

**6.4** Enrollment for courses from the 2nd to the 8th semesters, including additional Honors and Minor courses from the 5th to the 8th semesters, will open 5 working days before the start of the next semester and must be completed with the approval of both the Head of the Department and the Head of the Institution. Students may choose to discontinue their Honours or Minor courses within 30 days of the semester's start.

The list of students approved by the Head of the Institution is final and will be used for attendance, grading, and GPA/CGPA calculations. No changes will be allowed afterward.

For professional elective or open elective courses, a minimum of 15 students must enroll. However, this requirement does not apply to students enrolled in B.E./B.Tech. (Honors) or B.E./B.Tech. (Minor) programs.

**6.5** Students rejoining after a permitted break of study, those readmitted by DOTE/University, transfer students, and lateral entry students must submit their course registration form within 5 working days from their date of joining.

## **6.6 Flexible to Add and Drop Courses**

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.

From the semesters 5<sup>th</sup> to 7<sup>th</sup>, the student has the option of dropping existing professional/open elective 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.

From the semesters 5<sup>th</sup> to 7<sup>th</sup>, 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) 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 Honors and Minor) shall not exceed 33.

## **6.7 Choice of Professional Elective Courses**

The Professional Elective Courses are listed in the curriculum in a table format, organized by specialization groups (verticals). Students may choose all their Professional Elective Courses from one vertical or select a combination of courses from different verticals within a semester. Students are allowed to enroll in more than one elective course from the same vertical in a semester.

For both Professional and Open Elective Courses, a minimum of 15 students must be enrolled. However, this requirement does not apply to B.E./B.Tech. (Hons) or B.E./B.Tech. (Minor) programs. Additionally, for each professional elective, at least two course options must be available for students to choose from.

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

**7.1** A student will be considered to have fulfilled the requirements for completing a semester if the following conditions are met. While it is ideally expected that every student attends all classes and achieves 100% attendance, a minimum attendance of 75% is required to accommodate unavoidable circumstances such as medical issues or participation in sports.

Therefore, the student must secure at least 75% attendance (rounded to the nearest integer) as calculated according to Clause 5.3.

**7.2** A student who attains an overall attendance between 65% and 74% in the current semester due to medical reasons (such as prolonged hospitalization, accident, or specific illness) or participation in sports events may be allowed to appear for the semester examinations. However, this is contingent upon the student submitting a medical certificate or a sports participation certificate, duly attested by the Head of the Institution. The certificate shall then be forwarded to the Controller of Examinations for record-keeping purposes.

**7.3** Students who secure less than 65% overall attendance will not be allowed to sit for the End Semester Examination and will not be permitted to advance to the next semester. They will be required to repeat the incomplete semester in the following academic year, in accordance with the prescribed norms.

## **8. CLASS ADVISOR**

To assist students in planning their courses of study and to provide general academic guidance, the Head of the Department will assign a certain number of students to a faculty member within the department, who will serve as their Faculty Advisor throughout their academic journey. The Faculty Advisor will offer advice on course registration and reappearance (Arrear) registration, monitor attendance and academic progress, and provide periodic counseling. If necessary, the Faculty Advisor may also discuss the student's progress or performance with the parents. The number of students assigned to each Faculty Advisor will be determined by the Head of the Department, but it will not exceed 30 students per advisor.

The responsibilities of the Faculty Advisor include:

- Explaining the interpretation of regulations, students' rights and duties.
- Informing students about the code of conduct on campus and disciplinary actions.
- Providing information on available facilities and activities to enhance curricular and co-curricular engagement.
- Guiding students in the enrollment and registration process for courses.
- Monitoring the academic performance and attendance of students and providing counseling as needed.
- Maintaining records of students' academic and co-curricular achievements.



- Facilitating the collection of student feedback on courses, instructors, and conducting exit surveys for the program.
- Communicating details related to academics, including feedback, training, scholarships, placement, and co-curricular and extra-curricular activities, to the University through the Head of the Department.

## **9 CLASS COMMITTEE**

**9.1** Each class will have a class committee, which consists of the class's teachers, student representatives, and a chairperson who does not teach the class. The overall aim of the committee is to enhance the teaching-learning process. The responsibilities of the class committee include:

- Addressing problems faced by students in the classroom and laboratories.
- Clarifying the regulations of the degree program, particularly clauses 5, 6, and 7.
- Sharing the academic schedule with student representatives, including assessment dates and syllabus coverage for each assessment.
- Informing student representatives about the weightage assigned to each assessment. For practical courses (such as laboratory work, drawing, project work, seminar, etc.), the breakdown of marks (rubrics) for each experiment, exercise, or module should be clearly discussed and communicated to students during the class committee meeting.
- Analyzing student performance after each test, reviewing outcomes, and finding ways to address any issues.
- Identifying slow learners and requesting additional help, guidance, or coaching from the course coordinators.

## **10 COURSE COMMITTEE FOR COMMON COURSES**

Each common theory course offered to multiple disciplines or groups will have a "Course Committee" consisting of all the teachers who teach the course, with one of them designated as the course coordinator. The course coordinator will be nominated by the Head of the Department or Head of the Institution, depending on whether all the instructors for the common course belong to a single department or multiple departments.

The first meeting of the Course Committee must be held within five days of its formation. During this meeting, the nature and weightage of continuous assessments will be decided, establishing a uniform evaluation scheme for the course. The committee will ensure consistent assessment practices. Whenever possible, the course committee may also develop a common question paper for internal assessments, in accordance with the regulations. Two or three additional meetings may be held during the semester at appropriate intervals.

### **11 Programme Advisory Committee**

The Programme Advisory Committee consists of the Head of the Department, Programme Coordinator, one Senior Faculty Member (rotating), an external subject expert, a representative from industry, and an alumni representative. The roles of the committee members include:

- Recommending methodologies for preparing the syllabi.
- Suggesting innovative teaching, learning, and evaluation techniques.
- Coordinating research, teaching, extension, and other academic activities related to the programme.
- Approving the Vision, Mission, Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs), Course Objectives, and Course Outcomes.
- Recommending methodologies and tools for assessing Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs).
- Reviewing the attainment of Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs).

## **12 PROCEDURE FOR AWARDING MARKS FOR CONTINUOUS ASSESSMENT**

All B.E./B.Tech. Programmes consist of various categories of courses, as outlined in the table below. Students are required to appear for the End Semester Examination for all courses, except for those that are assessed solely through continuous evaluation, as specified in the table.

The performance in each course will be evaluated based on (i) continuous assessments throughout the semester and (ii) the End Semester Examination at the end of the semester.

Each course will be graded out of a total of 100 marks, with the distribution detailed below. End Semester Examinations are typically held for a duration of 3 hours, usually between October and December for odd semesters, and between April and June for even semesters.

<b>S.No</b>	<b>Category of Course</b>	<b>Continuous Assessment marks</b>	<b>End-Semester Examination marks</b>
<b>1.</b>	Theory Courses	40	60
<b>2.</b>	Theory Courses with Practical Component	50	50
<b>3.</b>	Practical Courses	60	40
<b>4.</b>	Mini Project & Project Work	60	40
<b>5.</b>	MOOC Courses (Optional)	Marks obtained will be considered in accordance with the equivalence letter as specified in 4.11	
<b>6.</b>	All EEC Courses (Except Skill Development Course, Career Progression Course Mini Project and Project Work )	100	
<b>7.</b>	Mandatory Courses (Including Induction Program#)	100	
<b>8.</b>	One Credit/Value Added Course	100	

\*One Credit Course /Value Added Course (coming under EEC) – not included for GPA and CGPA calculation.

# No assessment for Induction program

Each course coordinator is responsible for maintaining an "Attendance and Assessment Record" for every semester. This record should include details of attendance for each Theory/Practical/EEC class, assessment marks, and a log of class work (topics covered) for each course taught. The coordinator must submit this record to the Head of the Department at the end of each week for verification of syllabus coverage, assessment marks, and attendance. The Head of the Department will verify the records, sign, and date them. The records should then be submitted to the Principal every two weeks.

At the end of the semester, the Head of the Department will verify the final record, which will be retained for five years after receiving approval from the Principal. Attendance and assessment records for both current and previous semesters must be available for inspection upon request.

### 12.1. CONTINUOUS ASSESSMENT FOR THEORY COURSES

Continuous assessment for theory courses is conducted through Internal Assessments, which generally consist of an Assignment Component and a Written Test, with a weightage distribution of 40:60. The details of the Internal Assessments are provided in the table below.

<b>Internal Assessment I (IA- I: 100 Marks)</b>		<b>Internal Assessment II (IA- II: 100 Marks)</b>		<b>Internal Assessment III  (IA- III: 60 Marks)</b>	<b>Total</b>
Individual Assignment/ Case Study/ Mini Project/Capstone Project/any other experiential Learning	Written Test	Individual Assignment/ Case Study/ Mini Project/Capstone Project/any other experiential Learning	Written Test	Written Test / Coursera Guided Project	Continuous Assessment
40	60	40	60	60	Total 200*

\*The weighted average shall be converted into 40 marks for Continuous Assessment

The Assignment Component and Written Test for IA I and IA II are mandatory. However, if a student is unable to attend the written test for IA I or IA II due to valid reasons, approved by the Head of the Institution, they may be allowed to appear for IA III. This option is not applicable for the Assignment Component. A student has the option to either take the written test or complete a Coursera Guided Project, which will be evaluated for 60 marks. The combined total marks from two internal assessments will then be scaled down to 40 marks and rounded to the nearest integer

### 12.2 ASSESSMENT FOR PRACTICAL COURSES

The maximum marks for Internal Assessment in practical courses shall be 60. Each practical exercise or experiment will be evaluated based on the execution of the experiment/exercise and the records maintained. A minimum of one test will be conducted. The breakdown for determining the Internal Assessment marks out of 60 is as follows: 75 marks will be awarded for

successfully completing all the prescribed experiments in the laboratory, and 25 marks will be allocated for the test. The total marks will then be converted to a maximum of 60 and rounded to the nearest integer.

Each practical exercise/experiment will be evaluated according to the rubrics, considering both the conduct of the experiment and the records. Additionally, at least one model test will be conducted.

The criteria for arriving at the Continuous Assessment marks of 60 is as follows:

<b>Continuous Assessment (100 Marks)*</b>	
<b>Evaluation of Laboratory Observation, Record</b>	<b>Test</b>
<b>75</b>	<b>25</b>

*\*Continuous Assessment marks shall be converted into 60 marks*

The End Semester examinations for practical courses will have a duration of 3 hours and are typically conducted for a maximum of 100 marks during the End Semester Examination.

### **12.3 ASSESSMENT FOR THEORY COURSES WITH PRACTICAL COMPONENT**

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 continuous assessments and end semester examination for different types of courses are provided in the table.

<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Continuous Assessment I (IA-I)</b>	<b>Continuous Assessment II (IA-II)</b>	<b>Continuous Assessment III (IA-III)</b>	<b>End Semester Examination</b>
1	0	4	3	Theory (25%)	Laboratory (25%)	Written Test / Coursera Guided Project	Lab only (50%)
2	0	2	3	Theory (25%)	Laboratory (25%)	Written Test / Coursera Guided Project	Theory (25%) Lab (25%)
3	0	2	4	Theory (25%)	Laboratory (25%)	Written Test / Coursera Guided Project	Theory (35%) Lab (15%)
2	0	4	4	Theory (25%)	Laboratory (25%)	Written Test / Coursera Guided Project	Theory (15%) Lab (35%)

The procedure for conducting internal assessments for theory and laboratory components will follow the guidelines specified in clauses 12.1 and 12.2 respectively. If a student is unable to attend the written test for IA I due to valid reasons, approved by the Head of the Institution, they will be allowed to appear for IA III. The student may choose to either take the written test or complete a Coursera Guided Project.

The weighted average shall be converted into 50 marks for internal Assessment.

All laboratory courses, including 'Theory with Laboratory courses,' will include one 'open-ended experiment,' where students are encouraged to design their own experiment with the guidance of the course coordinator.

The open-ended experiment can be either horizontally or vertically integrated.

**Horizontal Integration:** Students may consider experiments from other laboratory courses within the same semester and develop a new experiment.

**Vertical Integration:** Students may consider experiments from laboratory courses of previous semesters, along with emerging topics, to develop a new experiment.

All laboratory courses, including 'Theory with Laboratory courses,' will include 20% of experiments sourced from respective 'Virtual Labs' (if available)

#### **12.4 ASSESSMENT FOR MINI PROJECT/PROJECT WORK**

The student must register for the Mini Project/Project Work in the final semester. The Mini Project/Project Work may be assigned to an individual student or a group of up to 4 students. Additionally, students are allowed to undertake a semester-long internship at an industry, academic institution, or research organization. Approval for such internships will be granted jointly by the head of the department and the head of the institution.

**12.4.1** The Project Work undertaken by students in industry, academic, or research institutions shall be supervised jointly. The project will have a supervisor from the department and a joint supervisor from the respective organization. Students are required to meet regularly with their supervisors and attend review committee meetings to assess their progress. If needed, review meetings may be conducted online, subject to prior approval from the Head of the Institution. A proper record of all meetings shall be maintained

**12.4.2** The Project Work carried out by students in industry, academic, or research institutions will be jointly supervised by a department supervisor and a co-supervisor from the respective organization. Students must regularly meet their supervisors and participate in review committee meetings to evaluate their progress. If necessary, review meetings may be held online with prior approval from the Head of the Institution. A detailed record of all meetings must be maintained.

**12.4.3** Three review meetings will be conducted by the review committee. During each review, the student will present the progress made on the project. The total marks earned across all three reviews will be scaled down to 60 marks and rounded to the nearest integer, as per the guidelines outlined in section 12.4.4.

**12.4.4** The Mini Project/Project report will be awarded a maximum of 10 marks and must be submitted according to the approved guidelines set by the Controller of Examinations. All students within the same Mini Project/Project group will receive the same marks for the Mini Project/Project report. The viva-voce examination will be worth 30 marks, and the marks assigned to each student in the group will be based on their individual performance during the viva-voce.

<b>Continuous Assessment (60 Marks)</b>			<b>End Semester Examinations (40 Marks)</b>			
Review I	Review II	Review III	Mini Project	Project Report	Viva-Voce Examination	
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 between the supervisor from the Department and coordinator from Industry.

**12.4.5** The last date for submission of the Mini Project/Project report is the last working day of the semester. If a student fails to submit the Mini Project/Project report by the specified deadline, or if the student submits the report but does not appear for the viva-voce examination, it will be considered a failure in the Mini Project/Project Work. In such cases, the student must re-register for the Mini Project/Project Work in the subsequent semester.

**12.4.6** Students who have published at least one international journal article in a reputed journal (SCI, WoS, or Scopus indexed with an Impact Factor greater than 1.0) before the start of the 8<sup>th</sup> semester are eligible to submit their work as Project Work in the eighth semester. The publication will be considered valid only if the student's name appears among the first four authors

## **12.5 ASSESSMENT FOR OTHER EMPLOYABILITY ENHANCEMENT COURSES**

**a)** The assessment for the Case Study / Mini Project courses will be based entirely on internal evaluation. Each student is required to present a minimum of 2 seminars per semester before the evaluation committee, with marks being equally distributed across the seminars. A three-member committee, appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate each seminar. At the end of the semester, the marks will be consolidated to determine the final grade. The evaluation will be based on the rubrics established by the Department Academic Committee for this purpose.

**b)** The Industrial Training / Internship will be evaluated for 100 marks through internal assessment only. At the end of the training or internship, the student must submit an attendance certificate from the organization where the training was completed, along with a brief report. The evaluation will be based on the report and a viva-voce examination, conducted internally by a three-member committee appointed by the Head of the Department and approved by the Head of the Institution. The certificates submitted by the students will be attached to the mark list, which will be sent by the Head of the Department, approved by the Head of the Institution, to the Controller of Examinations.

**c)** One Credit Courses will carry 100 marks and will be evaluated through internal assessment only. The assessments will be conducted by industry experts. A committee consisting of the Head of the Department, the course coordinator, and a senior faculty member nominated by the Head of the Institution will oversee the evaluation process.

**d)** Value Added Courses will carry 100 marks and will be evaluated through internal assessment only. The assessments will be conducted by the concerned department. A committee consisting of the Head of the Department, the staff handling the course, and a senior faculty member nominated by the Head of the Institution will oversee the evaluation process. The list of students (who



have at least 75% attendance), along with the marks and grades earned, shall be forwarded to the Controller of Examinations for appropriate action within 10 days of the completion of the course. The grades earned for Value Added Courses will be recorded on the grade sheet as per the grading policy, but these grades will not be included in the computation of GPA/CGPA.

**e)** The Comprehension Course will carry 100 marks and will be evaluated through internal assessment only. At the beginning of the seventh semester, a comprehension exam (including both a test and viva voce) will be conducted. The marks obtained will be recorded on the grade sheet as per the grading policy and will be considered in the computation of GPA/CGPA.

**f)** Skill Development Course & Career Progression Course: The evaluation procedure for the above courses are as per the clause 12.2 and 12.3.

## **12.6 ASSESSMENT FOR MOOC COURSES**

The MOOC courses shall be chosen from the SWAYAM platform with proctored examination. The grades earned shall be converted into equivalent grades as per the clause 4.11, the details regarding the MOOC courses completed by the students and marks/credits earned should be sent to the Controller of Examinations in the subsequent semester(s) along with the details of the professional elective course to be dropped. This is the responsibility of the respective department.

**12.7** Internal marks, approved by the Head of the Institution, shall be displayed by the respective Heads of Departments within 5 days of the last working day.

## **12.8 Attendance Record**

Every teacher is required to maintain an 'Attendance and Assessment Record,' which includes attendance for each lecture, practical, or project work class, test marks, and a record of class work (topics covered) for each course. This record should be submitted to the Head of the Department periodically (at least three times per semester) to verify syllabus coverage, test marks, and attendance. The Head of the Department will authenticate the records after due verification. At the end of the semester, the record must be verified by the Head of the Institution. The department will retain this document for five years.

### **12.9 Conduct of Academic Audit**

An Academic Audit shall be conducted for every course taught during the semester. For the internal assessments conducted for each course, as outlined in Clause 12, academic records must be maintained in the form of documentation for individual assignments, case study reports, project reports submitted by each student, as well as assessment test question papers and answer scripts. Reports of industrial training/internship must also be maintained. For laboratory courses, students' records should be kept. The Head of the Institution shall arrange for the Academic Audit of every course each semester by forming respective committees, which will include an external course expert from a reputed technical institution near the institute.

### **13. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATIONS**

A student will generally be allowed to appear for the End Semester Examinations for all courses registered in the current semester (as per Clause 6), provided they have met the semester completion requirements (as outlined in Clause 7).

Additionally, it is mandatory for students to register for examinations in all courses of the current semester, as well as for any arrear courses, for the end semester examinations. Failure to do so will result in the student being ineligible to progress to the next semester.

A student who has already appeared for and passed an examination in a course is not permitted to reappear for that course to improve their grades.

### **14. PASSING REQUIREMENTS**

**14.1** A student will be considered to have passed the course and earned the relevant credits if they secure at least 50% of the total marks prescribed for the course (combining Continuous Assessment and End Semester Examinations), with a minimum of 45% of the marks specified for the End Semester Examination. This applies to theory courses, theory with practical courses, and practical courses (including project work).

**14.2** If a student fails to pass a theory, theory with practical, or practical course, they must register and appear only for the End Semester Examination in the subsequent semester. In this case, the internal assessment marks

obtained in the first attempt will be retained and considered valid for all subsequent arrear appearances until the student passes. However, from the second arrear attempt onwards, if the student fails to obtain the required pass marks (IA + ESE) as per Clause 14.1, they will be considered to have passed the examination if they secure a minimum of 50% of the marks prescribed for the End Semester Examination alone.

**14.3** If a student submits the project report but is absent for the End Semester Viva-Voce examination, they will be considered to have failed. In such cases, as well as if a student attends the viva-voce examination and fails the End Semester Viva-Voce examination for the Project Work in B.E. /B.Tech, the student must reappear for the viva-voce examination within 60 days from the declaration of the results. However, this does not apply to the Mini Project. The subsequent viva-voce examination will be treated as a reappearance, subject to the payment of the exam fee. If the student fails the subsequent viva-voce examination as well, they will be required to redo the course when it is offered next.

**14.4** The passing requirement for courses assessed through 100% internal assessment (EEC courses, except Project Work, Skill-Based Courses, and Career Progression Courses) is 50% of the internal assessment (continuous assessment) marks only.

### **14.5 TRANSPARENCY AND REVALUATION**

When the semester results are published, if a student feels aggrieved, they can request a rechecking of the answer scripts for the respective semester examinations by paying a nominal fee, as prescribed by the Controller of Examinations. The request must be submitted to the Head of the Institution within a week of the result publication. After the rechecking, students may opt for retotaling or revaluation by paying the prescribed fee. Students are entitled to a 50% refund if (i) the retotaling results in a change of marks, or (ii) there is a change in the grade. The revised result will be published once the revaluation is completed. Revaluation is allowed only for theory courses and the theory component of "theory with practical courses." Revaluation is not permitted for practical courses, Industrial Training/Internship, additional credit courses, or project work.

## 15 AWARD OF LETTER GRADES

**15.1** The award of letter grades will be determined using the relative grading principle. This principle applies only to those students who have met the passing requirements. For students who have not passed the examinations, a Reappearance (RA) grade will be assigned, as indicated in the table below. The performance of each student will be reported using letter grades, with each grade carrying specific points, as detailed below:

<b>Letter Grade</b>	<b>Grade Points*</b>
O(Outstanding)	10
A + (Excellent)	9
A(Very Good)	8
B + (Good)	7
B(Average)	6
C(Satisfactory)	5
RA(Re-appearance)	0
SA (Shortage of Attendance)	0
WD (Withdrawal)	0

A student is considered to have passed and earned the corresponding credits for a particular course if they obtain any of the following grades: "O", "A+", "A", "B+", "B", or "C".

The grade "SA" indicates a shortage of attendance (as per Clause 7.3), which prevents the student from appearing for the end-semester examinations. The "SA" grade will appear only on the result sheet.

The grade "RA" signifies that the student has failed the course. The grade "WD" indicates withdrawal from the exam for the particular course. Both "RA" and "WD" will appear on both the Grade Sheet and the Result Sheet. In both cases, the student is required to appear for the End Semester Examinations according to the regulations.

When the grade "RA" is assigned to Theory or Laboratory courses, attendance requirements (as specified in Clause 7) do not apply. However, the student must still appear for the end-semester examination and fulfill the norms outlined in Clause 13 in order to pass the course.

For EEC courses (except for Project Work, Skill-Based Courses, and Career Progression Courses), which are evaluated entirely through internal assessment, a student who receives the grade "RA" must re-register for the course in the following semester. The student must meet the norms specified in Clause 13 to pass the course, although attendance requirements are not necessary.

A table outlining the categories of courses successfully completed by students and the corresponding credits earned will be provided in the consolidated grade sheet.

### **15.1.1 Relative Grading and Absolute Grading**

For students who have passed the course (including theory courses, theory-integrated courses, and all other EEC courses except Industrial Training, Internship, and Project Work courses), relative grading will be applied. The marks of only those students who have passed the course will be entered into the software developed for relative grading. If the number of students is greater than 30, the relative grading method shall be used.

In all courses, if the number of students who have passed the course is less than or equal to 30, absolute grading will be followed, with the grade range specified in the table below.

For Project Work, Industrial Training, Internship, and Laboratory Courses, the absolute grading procedure will be followed as outlined in the table below, regardless of the number of students who have passed the course.

Table – Grade range for absolute grading

O	A+	A	B+	B	C	RA
91-100	81-90	71-80	61-70	56-60	50-55	<50

**15.2** Students are required to participate in co-curricular activities such as NSS, NCC\*, Training & Placement, Technical Associations, Sports, Entrepreneurship, Approved Extra-Curricular Activities, Curricular Activities, and Sansad Adarsh Gram Yojna (SAGY), and earn activity points as per Clause 4.2. A "Completed" remark will appear on the Grade Sheet upon successful completion of these activities.

**15.3** The grades "O", "A+", "A", "B+", "B", and "C" obtained for "One Credit Courses/Value Added Courses" (which are not part of the curriculum) will appear on the Grade Sheet. However, the courses for which the grades "RA" or "SA" are awarded will not appear on the Grade Sheet.

**15.4** For students who complete the Mandatory Course and satisfy the attendance requirements, the title of the Mandatory Course will be mentioned on the Grade Sheet.

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

- (a) The list of courses registered during the semester and the grade scored.
- (b) The Grade Point Average (GPA) for the semester
- (c) The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

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

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

where,

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

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

$n$  is 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.

**15.5.1** If a student successfully completes all the requirements of the program and also meets the requirements for B.E. / B.Tech. (Hons) or B.E. / B.Tech. (Minor) but chooses not to opt for the additional qualification, he/she must submit a declaration to that effect at least 30 days before the completion of the 8<sup>th</sup> semester.

**15.5.2** In the consolidated grade sheet, the CGPA earned shall be converted into a percentage of marks as follows: Percentage of Marks = CGPA × 10.

## **16 ELIGIBILITY FOR THE AWARD OF THE DEGREE**

**16.1** A student shall be declared 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 program within the stipulated time.
- ii)** Successfully completed the course requirements, appeared for the End-Semester examinations, and passed all the courses within the period prescribed in Clause 5.1.
- iii)** Successfully passed any additional courses prescribed by the Board of Studies / Academic Council whenever the student is readmitted under the regulations R-2024.
- iv)** Successfully completed the requirements of NCC / NSS / UBA / Sports & Games / YRC / Technical Clubs / Cultural Clubs.
- v)** Successfully completed all Mandatory Courses.
- vi)** No disciplinary action is pending against the student.
- 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:

- The student should have passed the examination in all the courses of all eight semesters (six 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 the examination (as per Clause 17) will not be considered an appearance.
- The Student should have secured a CGPA of not less than 8.0.
- Any authorized break of study (if availed) is included in the five years (four years in the case of Lateral Entry) for the award of First Class with Distinction.
- The student should not have been prevented from writing the end-semester examination in any of the courses that make up the total credit requirement of the curriculum.

A student who satisfies the norms given in Clause 4.15 becomes eligible for classification of the degree as B.E./B.Tech. (Hons) or B.E./B.Tech. (Minor).

Details are provided in Table

<b>Degree</b>	<b>Duration of programme</b>	<b>Duration permitted</b>	<b>Additional credits above the requirement of curriculum</b>	<b>CGPA</b>	<b>Pass in</b>	<b>Break of study</b>	<b>Prevention to write end semester examination</b>	<b>Withdrawal from writing end semester examination</b>
<b>(i)</b>	<b>(ii)</b>	<b>(iii)</b>	<b>(iv)</b>	<b>(v)</b>	<b>(vi)</b>	<b>(vii)</b>		<b>(viii)</b>
<b>B.E./ B.Tech. (Regular)</b>	4 years	5 years	-	8.00	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
<b>B.E./ B.Tech. Lateral Entry</b>	3 years	4 years	-	8.00	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
<b>B.E./ B.Tech. (Hons)</b>	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from more than one verticals of the same programme	8.00	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
<b>B.E./ B.Tech. minor</b>	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from any one vertical of the other programme	8.00	First attempt	One year authorised break of study Included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt



**16.2.2 FIRST CLASS**

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

- The student should have passed the examination in all the courses of all eight semesters (six semesters in the case of Lateral Entry) within five years (four years in the case of Lateral Entry)
- Any authorized break of study (if availed) 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 the award of First Class.
- Should have secured a CGPA of not less than 6.50.
- A student who satisfies the norms given in Clause 4.15 becomes eligible for classification of the degree as B.E./B.Tech. (Honors) or B.E./B.Tech. (Minor).

Details are provided in the following Table.

<b>Degree</b>	<b>Duration of programme</b>	<b>Duration permitted</b>	<b>Additional credits</b>	<b>CGPA</b>	<b>Pass in (vi)</b>	<b>Break of study</b>	<b>Prevention to write end semester examination</b>	<b>Withdrawal from writing end semester examination</b>
<b>(i)</b>	<b>(ii)</b>	<b>(iii)</b>	<b>(iv)</b>	<b>(v)</b>		<b>(vii)</b>		<b>(viii)</b>
<b>B.E./ B.Tech. (Regular)</b>	4 years	5 years	-	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Included in the Duration permitted (iii)	-
<b>B.E./ B.Tech. Lateral Entry</b>	3 years	4 years	-	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Included in the Duration permitted (iii)	-
<b>B.E./ B.Tech. (Hons)</b>	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from more than one verticals of the same programme	7.50	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
<b>B.E./ B.Tech. minor</b>	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from any one vertical of the other programme	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Included in the Duration permitted (iii)	-

**16.2.3** All other students (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree (as per Clause 16.1) shall be declared to have passed the examination in Second Class.

**16.2.4** A student who is absent from the End Semester Examination in a course/project work after having registered for it shall be considered to have appeared in that examination (except in the case of approved withdrawal from the End Semester Examination as per Clause 15) for the purpose of classification.

**16.2.5** A student who has earned an additional 18 credits as per Clause 4.17 (i) and (ii) but does not satisfy the conditions mentioned in 16.2.1 or 16.2.2 shall not be awarded the B.E./B.Tech. (Hons.). In such a case, if the student becomes eligible for First Class, the CGPA will be computed with the Professional Elective/Open Elective courses with higher grades, and the student shall be awarded the B.E./B.Tech. Degree in First Class only.

**16.3** A student who is absent from 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).

## **17 PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION**

**17.1** A student may, for valid reasons (unfit medically, unexpected family situations or engagement due to sports approved by the Head of the Institution), be granted permission to withdraw from appearing for the End Semester Examination in any course or courses in one of the semester examinations during the entire duration of the degree program. The application, along with the approval of the Head of the Institution, shall be submitted to the CoE with all the required documents.

**17.2** A withdrawal application is considered valid if the student is otherwise eligible to sit for the examination (Clause 7) and submits the application within TEN days after the examination date for the relevant course(s). The application must be recommended by the Head of the Department and approved by the Head of the Institution. To withdraw from a course or courses, the student must have registered for the course(s), met the attendance requirements (as per Clause 7), and earned continuous assessment marks.

Notwithstanding the mandatory 10-day requirement, withdrawal applications may be considered in special cases under extraordinary conditions, based on the merit of the situation.

**17.3** If a student withdraws from a course or courses before the end-semester examinations, he/she must re-register for the same course(s) in the subsequent semester and sit for the end-semester examination(s).

**17.4** If a student applies for withdrawal from Project Work, the withdrawal will only be permitted after the submission of the project report before the deadline. However, the student may appear for the viva voce examination within 60 days after the declaration of the results for Project Work, and this will not be considered as a reappearance. This provision does not apply to Mini Project.

## **18 PROVISION FOR AUTHORISED BREAK OF STUDY**

**18.1** A student is permitted to take an authorized break of study for a maximum period of one year in a single spell.

**18.2** A break of study shall be granted only once for valid reasons, for a maximum duration of one year, during the entire period of the degree programme. However, in extraordinary situations, the student may apply for an additional break of study, not exceeding another one year, by paying the prescribed fee for the break of study. If a student intends to temporarily discontinue the programme in the middle of a semester for valid reasons and rejoin the programme in the subsequent year, permission may be granted based on the merits of the case. The student must apply in advance to the Head of the Institution, 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 rejoining the programme.

**18.3** A student permitted to rejoin the programme after a break of study or due to prevention from lack of attendance shall be governed by the curriculum and regulations in force at the time of rejoining. Students rejoining under new regulations shall register for additional courses, if any, as notified by the Controller of Examinations and approved by the Head of the Institution. These courses may be from any of the semesters of the curriculum in force, in order to bridge the gap between the old and new curricula.

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

**18.5** 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 break of study period, for the student to be eligible for the award of the degree.

**18.6** If a student is prevented from continuing due to insufficient attendance, the period of prevention shall not be considered as an authorized break of study (Clause 18.1).

**18.7** If a student wishes to take up a job, start-up, or entrepreneurship during the period of study, they must apply for an authorized break of study for one year. The student shall join the job, start-up, or entrepreneurship only after obtaining approval from the Head of the Institution, with due proof of the same.

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

## **19 DISCIPLINE**

**19.1** Every student is expected to adhere to the rules and regulations set by the Institute and the affiliating University, as updated periodically. Any violations will be addressed according to the procedures outlined in these regulations.

**19.2** If a student is found guilty of malpractice in any End Semester or Continuous Assessment, they shall be subject to punitive action as prescribed by the Institution.

## **20 SUPPLEMENTARY EXAMINATIONS**

If a student fails to secure a pass in a theory or theory with practical course(s) (including professional elective and open elective courses) of the VII semester examination, he/she is eligible to appear for a one-time Supplementary Examination. This supplementary examination will be conducted at the end of the VIII semester, within 30 days from the date of declaration of the VII semester results, and will be available for the VII semester subjects only.

## **21 REVISION OF REGULATIONS, CURRICULUM AND SYLLABI**

The Institution reserves the right to revise, amend, or change the Regulations, Curriculum, Syllabi, Scheme of Examinations, and the date of implementation through the Academic Council. Additionally, the Institution may introduce new Electives and One-Credit Courses through the respective Boards of Studies.