

**K. S. RANGASAMY COLLEGE OF TECHNOLOGY**  
(Autonomous)  
**TIRUCHENGODE- 637215**



**ACADEMIC REGULATIONS 2026**  
(UNDER GRADUATE PROGRAMMES UG)

**B.E. / B.Tech. Programmes (Full Time)**  
**(R2026)**

(Applicable to the students admitted in B.E. / B.Tech.  
Programmes from the Academic year 2026-2027)

## CONTENTS

	Particulars	Page No.
<b>1</b>	<b>Preamble to Regulations 2026</b>	<b>3</b>
<b>2</b>	<b>Preliminary Definitions and Nomenclature</b>	<b>4</b>
<b>3</b>	<b>Academic System</b>	<b>5</b>
	3.1 Admission Procedure	5
	3.2 Programmes Offered	7
	3.3 Structure of the Programme	8
	3.4 Duration of the Programme	11
	3.5 Assignment of Credits	12
	3.6 B.E./B.Tech. (Honours) and B.E./B.Tech. Minor Degree	15
	3.7 Course Code	18
	3.8 Medium of Instruction	20
	3.9 Academic Calendar	20
<b>4</b>	<b>Course Administration</b>	<b>20</b>
	4.1 Course Registration	20
	4.2 Course Exemption	22
	4.3 Attendance Requirement and Progress	22
	4.4 Readmission Policies	24
	4.5 Faculty Mentor System	25
<b>5.</b>	<b>Committees and Governance</b>	<b>25</b>
	5.1 Class Committee	25
	5.2 Course Committee for Common Courses	27
	5.3 Grievance Cell	27
	5.4 Guidance & Counselling Cell	27
	5.5 Prevention of Sexual Harassment (POSH) Cell	27
	5.6 SC / ST Cell	28
	5.7 Institute Academic Affairs Committee	28
	5.8 Discipline and Code of Conduct	28
<b>6.</b>	<b>Assessment and Examination System</b>	<b>29</b>
	6.1 System of Examination	29
	6.2 Internal Assessment Procedures	30
	6.3 Requirements for End-Semester Examinations	38
	6.4 Passing Requirements	39
	6.5 Award of Letter Grades	40
<b>7.</b>	<b>Student Progression and Flexibility</b>	<b>43</b>
	7.1 Award of Degree	43
	7.2 Classification of Degree Awarded	44
	7.3 Provision for Withdrawal from End-Semester Examination	45
	7.4 Provision for Authorized Break of Study	46
<b>8.</b>	<b>Policy Review and Academic Development</b>	<b>47</b>
	8.1 Revision of Regulations	47
	8.2 Curriculum and Syllabi Updates	47

**B.E. / B.Tech. Degree Programmes (Full Time)**  
**(CHOICE BASED CREDIT SYSTEM - CBCS)**

**1.PREAMBLE TO REGULATION R2026**

K.S.Rangasamy College of Technology (KSRCT), Tiruchengode, established with a vision to impart quality technical education and foster innovation, has been conferred autonomous status by the University Grants Commission (UGC). As an autonomous institution, the College exercises academic freedom to design, implement, and regulate its own curriculum, evaluation methods, and academic policies, while remaining affiliated to Anna University, Chennai, for the purpose of awarding degrees.

Regulation R2026 has been framed to govern the academic programs offered under autonomy, beginning with the academic year 2026–2027. This regulation embodies the principles of academic excellence, flexibility, and inclusivity, ensuring that students are equipped with the knowledge, skills, and values required to meet global challenges and contribute meaningful to society.

The regulations (R2026) have been prepared in accordance with the recommendations, guidelines, and directions issued by key national bodies, namely:

- National Knowledge Commission (NKC)
- University Grants Commission (UGC)
- All India Council for Technical Education (AICTE)

These regulations are aligned with:

- Outcome Based Education (OBE) Framework
- Evaluation Reforms in Higher Education Institutions in India
- Examinations Reform Policy
- National Education Policy (NEP)
- National Internship Policy

In addition to national directives, the regulations incorporate the distinctive academic practices of KSRCT, designed to promote enhanced learning and research capabilities. The curricula emphasize: Critical Thinking, Problem Solving, Analytical Reasoning, Scientific Reasoning, Reflective Thinking, Design Thinking.

## **Vision of the Institution**

To produce the most competent Scientists, Engineers, Technologists, Entrepreneurs, Managers and Researchers through Quality Education.

## **Mission of the Institution**

To achieve academic excellence in Science, Engineering, Technology, Management and Research through objective and innovative teaching methods; dedicated and duty conscious faculty; continual and consistent updation of facilities; welfare and quality improvement of the faculty and a system of continual process improvement.

## **2.PRELIMINARY DEFINITIONS AND NOMENCLATURE**

- i. ‘University’** means the Affiliating University, i.e. Anna University, Chennai
- ii. ‘Institute’** means K.S.Rangasamy College of Technology, Tiruchengode, an Autonomous Institution affiliated to Anna University, Chennai and approved by AICTE, New Delhi.
- iii. ‘Programme’** means Degree Programme (i.e.) B.E./B.Tech. Degree Programme.
- iv. ‘Department’** means Branch of B.E. / B.Tech. Degree Programme, like Civil Engineering, Biotechnology, etc.,
- v. ‘Choice-Based Credit System (CBCS)’** is a flexible system of learning that permits students to
  - a. learn at their convenient pace.
  - b. choose courses from a wide range of elective courses offered by the departments.
  - c. adopt an inter / multi-disciplinary approach in learning and
  - d. make the best use of the expertise of available faculty.
- vi. ‘Semester’** means a term of study consisting of a minimum of 90 working days (Including examinations), generally with eight ‘CONTACT HOURS’ per day. The Semester scheduled between July / August and November / December shall be called ‘ODD Semester’ (I, III, V, VII), and that scheduled between December / January and April / May, shall be called ‘EVEN semester’ (II, IV, VI, VIII).
- vii. ‘Course’** refers to a Theory / Theory cum Laboratory / Laboratory courses that is offered in a semester of the Programme.
- viii. ‘Contact Hours’** means duration of Lecture, Tutorial, Practical or Project Work, as applicable
- ix. ‘Credit’** means the weightage assigned to a particular course based on the contact hours to teach the prescribed syllabus. One credit is allocated to 15 contact hours for theory course and 30 contact hours for practical course. It is used to compute the Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) of the student.

- x. **‘Grade’** means the letter grade assigned to each course based on the marks range specified through absolute grading system.
- xi. **‘Grade Point’** means a numerical value (0 to 10) allocated based on the grade assigned to each course.
- xii. **‘Continuous Assessment’** means evaluation of the students’ progress and performance in a course during a semester through various activities such as Assignments, Solution to application-oriented problems using software, Solving of GATE questions, Internal Examinations, Project, Models, Flipped Class, Seminar, Group Activity, Report Writing, Assignments, Quizzes, Presentations, Practical Works, Case Studies, Technology enabled services to community, etc. Importantly, the students shall complete all activities, as prescribed in the syllabus of the respective course to get the internal marks.
- xiii. **‘End Semester Examination’** means an examination conducted for a course at the end of the semester to evaluate the student’s overall learning attainments.
- xiv. **“Bonafide Student”** means the student who is joined and on-roll in an Undergraduate Programme.
- xv. **‘Head of the Department / BoS Chairman’** means Head of the Department concerned, offering the programme.
- xvi. **‘Head of the Institution’** means the Principal of the respective Institution.
- xvii. **‘Disciplinary Committee’** means the committee constituted by the Head of the Institution to look after students’ discipline.
- xviii. **‘Controller of Examinations’ (CoE)** means the authority of the Institution who is responsible for all activities of the Semester Examinations of the Institution.
- xix. **‘Academic Council’** means the academic body of the institution vested with authority over teaching and examinations, and entrusted with the responsibility of maintaining and regulating academic standards within the institution.\

### **3. ACADEMIC SYSTEM**

#### **3.1. Admission Procedure**

- 3.1.1.** Candidates seeking admission to the B.E./B.Tech. degree programme in the first semester and through lateral entry into the third semester shall satisfy the conditions of eligibility and admission prescribed by Anna University, the Department of Technical Education (DOTE), Government of Tamil Nadu, and the All India Council for Technical Education (AICTE). The sanctioned intake shall be distributed as follows: 65% of admissions through Government Quota (Single Window System), 35% of admissions through Management Quota, 10% of admissions through Lateral Entry.

**(i) First Year Admission**

Admissions to B.E., / B. Tech Degree programmes offered in Institution, shall be as per the norms prescribed by Govt. of Tamil Nadu as given below:

*Required to have a pass in Higher Secondary Course Examination (Academic 10 + 2) Curriculum or its equivalent examinations with Mathematics, Physics and Chemistry. Other eligibility criteria such as minimum marks in each of the above courses for different categories of communities, number of attempts and physical fitness shall be as prescribed by the Govt. of Tamil Nadu from time to time.*

(or)

*Candidates must have passed the Higher Secondary Examination of the Vocational Stream (Vocational groups in Engineering/Technology) as prescribed by the Government of Tamil Nadu*

**(ii) Lateral Entry Admission**

*Candidates who possess a Diploma in Engineering/Technology awarded by the State Board of Technical Education, Tamil Nadu or an equivalent qualification recognized by the Government of Tamil Nadu are eligible to apply for lateral entry admission into the third semester of the B.E./B.Tech. degree programme. Other eligibility criteria, including the discipline of the Diploma, minimum marks required, number of attempts, and physical fitness, shall be as prescribed by the Government of Tamil Nadu from time to time.*

(or)

*Candidates who have completed a Bachelor of Science (B.Sc.) degree under the 10+2+3 stream with Mathematics as a subject at the B.Sc. level are eligible to apply for lateral entry admission to the third semester of the B.E./B.Tech. programme. Other eligibility criteria, including minimum marks, number of attempts, and physical fitness requirements, shall be as prescribed by the Government of Tamil Nadu from time to time.*

In addition, AICTE supports: 5% of admissions under the Tuition Fee Waiver Scheme (TFWS), 5% of admissions under the Non-Resident Indian (NRI) category, Admissions over and above 15% of the approved intake for Foreign Nationals, Overseas Citizens of India (OCI), Children of Indian Workers in Gulf Countries, and UGC-sponsored candidates.

- 3.1.2.** All students admitted provisionally or otherwise to any programme shall submit Photo ID proof issued by State / Central Govt., Original Transfer Certificate from the institution last studied, copies of grade / mark sheets of the qualifying examination and other relevant documents at the time of admission or by the last date prescribed by the competent authorities.

- 3.1.3.** The admission of a student who fails to submit the prescribed documents by the date specified in Clause 3.1.2, or who does not fulfill the stipulated requirements, shall be cancelled by the University. The University reserves the right to cancel the admission at any subsequent stage if the student is found to be ineligible or unfit at the time of admission, or if it is discovered that the student has furnished false information or certificates, or suppressed relevant information while seeking admission to the programme in the institution.
- 3.1.4.** Notwithstanding the qualifying examination passed by the candidate, he/she shall also appear for the Tamil Nadu Engineering Admissions (TNEA) counselling conducted by Anna University, Chennai.
- 3.1.5.** A candidate seeking admission under the Management Quota shall have passed the qualifying examination as prescribed in Clause 3.1.1 and shall be admitted based on the rank assigned by the Consortium of Self-Financing Professional, Arts and Science Colleges in Tamil Nadu.
- 3.1.6.** The eligibility criteria with regard to minimum marks shall be as prescribed from time to time by the State Government, the Syndicate of Anna University, All India Council for Technical Education (AICTE), and University Grants Commission (UGC).

### **3.2. Programmes Offered**

A candidate may be offered admission to any one of the programmes offered by the Institution, in accordance with Clause 3.1.1 from the list of programmes provided in Table 3.1.

**Table 3.1. Programmes Offered**

<b>S. No.</b>	<b>Programme Code</b>	<b>Name of the Programme</b>
1.	ME	B.E. - Mechanical Engineering
2.	EE	B.E. - Electrical and Electronics Engineering
3.	EC	B.E. - Electronics and Communication Engineering
4.	CS	B.E. - Computer Science and Engineering
5.	MC	B.E. - Mechatronics Engineering
6.	CE	B.E. - Civil Engineering
7.	AM	B.E. - CSE (Artificial Intelligence and Machine Learning)
8.	EV	B.E. - Electronics Engineering (VLSI Design and Technology)
9.	IT	B.Tech. - Information Technology
10.	TT	B.Tech. - Textile Technology
11.	BT	B.Tech. – Biotechnology
12.	FT	B.Tech. - Food Technology
13.	AD	B.Tech. - Artificial Intelligence and Data Science
14.	RA	B.E. – Robotics and Automation

### **3.3. Structure of the Programme**

### 3.3.1. Curriculum

Each programme has a defined structure, referred to as the “Curriculum,” which outlines the complete details of the courses to be undertaken and specifies their semester-wise sequence.

### 3.3.2. Number of courses per semester

Each semester curriculum shall normally include a blend of lecture courses, not exceeding 7 theory courses, along with laboratory-integrated theory courses, 4 Employability Enhancement Courses, and laboratory courses. However, the total number of courses per semester shall not exceed 10. Credits for each course shall be assigned as per Clause 3.5.

### 3.3.3. Category of Courses

Every B.E./B.Tech. programme shall have a curriculum comprising theory, integrated, and laboratory courses, each with well-defined syllabi as prescribed and approved by the respective Board of Studies (BoS) and Academic Council of the Institution from time to time. The courses shall be categorized as follows:

- i. **Humanities and Social Sciences (HS)** include Language, Management, Entrepreneurship etc.
- ii. **Basic Science (BS)** include Mathematics, Physics, and Chemistry etc.
- iii. **Engineering Science (ES)** comprise the core courses relevant to the General (G), Programme Core (PC), Programme Elective (PE), and Emerging Technology (ET) categories.
  - Foundational courses designed to provide students with a broad-based understanding of engineering principles and fundamental concepts shall be classified under the **General (G)** category.
  - Courses that are specific and essential to the respective branch shall be classified under the **Programme Core (PC)** category.
  - Courses that may be selected from a broader pool and are specialized, advanced, or supportive to the branch shall be classified under the **Programme Elective (PE)** category.
  - Courses focusing on the latest advancements and contemporary developments in various fields of engineering and technology shall be classified under the **Emerging Technology (ET)** category.
- iv. **Open Electives (OE)** are elective courses offered by other branches, intended to provide students with exposure to interdisciplinary, multidisciplinary, and transdisciplinary domains.

- v. **Employment Enhancement Courses (CG)** include components such as Project Work, Internship, Seminar, Professional Practices, Case Study, and Industrial/Practical Training, etc.
- vi. **Self-Learning (SL)** is a course chosen by students that enables interaction with a global network of faculty, peers, and industry experts from around the world, thereby fostering the development of an aptitude for lifelong learning.
- vii. **Skill Development (SD) courses** are designed to enhance the specific abilities and competencies of students in both academic and professional contexts. Industry Oriented Courses (IOC), offered to enable students to broaden their knowledge and skills in niche and emerging areas and to meet the evolving demands of relevant industries from time to time, shall be classified under the Skill Development (SD) category.
- viii. **Value Added (VA) Courses** are those not prescribed in the respective curriculum but offered to students to provide additional enrichment to the programme and to enhance their knowledge and skills. Completion of such course(s) is not mandatory for the successful completion of the programme.
- ix. **Mandatory Courses (MC)** generally include Tamil / Other Language Course (as per Government norms), Universal Human Values, Constitution of India, Environmental Science and Sustainability, Research Skill Development, Yoga / Well-being, Induction Programme (for first-year students), Internship / Industrial Training (as mandated under curriculum reforms) etc.
- x. **One Credit Courses (OC)** include advanced courses emphasizing hands-on training and emerging areas of technology, often conducted in collaboration with industry to provide practical exposure, skill enhancement, and industry-oriented learning experiences that complement and strengthen the academic programme.
- xi. **Off Campus (OC) Courses** are courses undertaken by students that are offered by other institutions or organizations outside the parent institution.

### 3.3.4. Personality and Character Development

All students, upon admission, shall enroll in one of the personality and character development programmes—NCC, NSS, NSO, or YRC—and complete approximately 80 hours of training, including a seven-day camp. The training shall cover hygiene, health awareness, and first-aid. Alternatively, students may engage in activities related to science, literature, or the arts for personality and character development by actively participating in the Science Club, Literary Forum, or Fine Arts activities for 80 hours and taking part in at least one event.

- **National Cadet Corps (NCC):** Participation will include approximately 20 parades.

- **National Service Scheme (NSS):** Students will engage in social service activities in and around the College/Institution.
- **National Sports Organization (NSO):** Activities will include sports, games, drills, and physical exercises.
- **Youth Red Cross (YRC):** Students will participate in social service activities in and around the Institution

Training activities for these programmes will typically be conducted on weekends, while the associated camps will generally take place during vacation periods.

#### **Science, Literary and Fine Arts Activities:**

- **Science Club:** Activities will focus on popularising science and promoting scientific temper through astronomy, studying the works of notable scientists from India and abroad, and observing events such as National Science Day.
- **Literary Club:** A club such as ‘Tamil Ilakkiya Mandram’ shall be formed to organize vibrant literary events that promote humanist values, morals, and ethics as reflected in literature.
- **Fine Arts Club:** Activities in music, painting, and documentary filmmaking with social themes shall be encouraged.

Students who enrol and actively participate in any one of these activities for 80 hours and take part in at least one event or programme shall be awarded a certificate by the Head of the Institution. A copy of the certificate shall be forwarded to the Controller of Examinations for record and verification. No fees shall be charged for participation in these activities.

#### **3.3.5. Induction Programme**

All students shall undergo an Induction Programme after admission, covering creative arts, Universal Human Values, lectures by eminent personalities, visits to local areas, and familiarization with departmental activities.

- The Induction Programme is mandatory for all students pursuing undergraduate programmes.
- The Head of the Institution shall certify the list of students who have successfully completed the programme.
- Completion of the Induction Programme shall be recorded in the Grade Sheet as “COMPLETED.”
- For students admitted later or those who could not attend the programme at the time of joining, the Induction Programme shall be conducted subsequently, and completion shall be recorded in the Grade Sheet.

- v. No fees shall be charged for attending the Induction Programme or for its inclusion in the Statement of Grade.

### **3.4. Duration of the Program**

- (i) The duration of the programme shall be ‘FOUR’ years (eight semesters) for a student admitted under the qualifications prescribed in Clause 3.1.1 (i) of the Regulations. The student shall successfully complete all the requirements of the curriculum and comply with the applicable regulations of the programme within the stipulated period of ‘FOUR’ years.
- (ii) The duration of the programme shall be ‘THREE’ years (six semesters) for a student admitted directly to the second year under the Lateral Entry scheme, with qualifications as prescribed in Clause 3.1.1 (ii) of the Regulations. The student shall successfully complete all the requirements of the curriculum and comply with the applicable regulations of the programme within the stipulated period of ‘THREE’ years.
- (iii) The duration specified in Clause 3.4 (i) and Clause 3.4 (ii) may be extended by one additional year for a student who is permitted to avail an authorized break of study or opts to drop courses, in accordance with the Regulations.
- (iv) “Programme Completion” means that a student shall complete all the courses prescribed in the respective curriculum and become eligible to appear for the end semester examinations of all courses within the period specified in Clauses 3.4 (i), (ii) and (iii).
- (v) After completion of the programme, if a student has any arrear course(s), he/she shall be permitted to clear the same within a maximum period of ‘SEVEN’ years for students admitted under Clause 3.1.1 (i) and ‘SIX’ years for students admitted under Clause 3.1.1 (ii). The maximum duration for successful completion shall be reckoned from the date of commencement of the first semester of the programme.
- (vi) If a student is prevented from appearing in the end semester examinations for all courses of a semester due to shortage of attendance, such period of prevention shall be treated as a break in the programme. In such cases, the total duration for completing the programme, including all such prevention periods, shall not exceed ‘SEVEN’ years for students admitted under Clause 3.1.1 (i) and ‘SIX’ years for students admitted under Clause 3.1.1 (ii).

### **3.5. Assignment of Credits**

- 3.5.1.** Each course shall be assigned credits based on the number of contact hours, as specified in Table 3.2.

**Table 3.2. Assignment of Credits**

Contact period per week	Credits (C)
1 Lecture (L) Period	1
1 Tutorial (T) Periods	1
1 Laboratory Period (also for EE courses like Seminar, Project Work, etc.)	0.5

### 3.5.2. Internship / Industrial Training

Students shall undergo a mandatory Internship or Industrial Training during the summer or winter vacation, with prior approval from the Head of the Institution. The training must be completed for a minimum of two continuous weeks in an organization, and credits shall be awarded as prescribed in the curriculum. Students may undertake the internship in an Industry, University, or Research Organization. An attendance certificate specifying the duration of the internship shall be forwarded to the Controller of Examinations (CoE). Credits for the internship or project undertaken in a relevant industry shall be awarded as detailed in Table 3.3.

**Table 3.3. Credits for Industrial Training / Internship**

Duration of Industrial Training/Internship	No. Credits (C)
2 Weeks <sup>#</sup>	1
4 Weeks	2
6 Weeks and Above	3

# - 'ONE WEEK' is equivalent to 40 internship hours

- Students completing 6 weeks of training or projects in reputed industries or academic institutions shall be awarded 3 credits.
- Evaluation shall be based on the industry/academic mentor's assessment (50%), the internship/project report (25%), and a viva-voce examination (25%).
- The viva-voce examination shall be conducted internally by a three-member committee constituted by the Head of the Department in consultation with the Head of the Institution.

### 3.5.3. Social Internship

The 100-hour experiential internship programme requires students to visit one or more villages and conduct activities of their choice to support rural sanitation initiatives in India. Students participating in the Swachh Bharat Summer Internship or Social Internship shall earn 3 credits in lieu of Professional/Open Electives; these credits shall not be counted towards the CGPA.

### 3.5.4. Industrial Visit

Every student shall be required to participate in at least one Industrial Visit, beginning from the first semester of the programme.

### **3.5.5. Language Electives**

Students shall be permitted to register for language electives, and 3 credits earned from these courses may be waived in lieu of Professional Elective or Open Elective courses.

### **3.5.6. Mandatory Courses**

Students shall undergo mandatory courses, which will be recorded in the Grade Sheet. However, the credits for these courses shall not be included in the computation of the CGPA.

### **3.5.7. Value Added Courses**

To promote industrial exposure, students shall undergo Value-Added (VA) Courses over and above the total credit requirements prescribed in the curriculum for the award of the degree. Courses carrying two or three credits may be offered with the approval of the Academic Council. Credits earned through Value-Added Courses shall not be included in the total credit requirements prescribed in the curriculum for the award of the degree.

### **3.5.8. Off-Campus Courses - SWAYAM /NPTEL/MOOC**

Students may optionally enroll in up to five Off-Campus Courses per undergraduate programme, delivered in physical, online, or hybrid mode, with the approval of the Academic Council. Successful completion of these courses shall be credited in lieu of Professional Elective or Open Elective courses in the curriculum, as approved by the Head of the Institution. 1 credit shall be assigned for every 'FOUR WEEKS' of SWAYAM / NPTEL course completion.

- a. Students may register for online courses only with the permission of the Head of the Department. Such courses shall be undertaken under the guidance of a faculty mentor. Credits shall be awarded to students who successfully complete online courses offered through SWAYAM/NPTEL. Appropriate credits shall be granted after due approval by a committee comprising the Head of the Department, Programme Coordinator, Module Coordinator, Course Coordinator and Faculty Mentor in consultation with the Head of the Institution.
- b. The number of credits awarded for NPTEL courses shall be determined as per the procedure outlined in Table 3.4, and the mapping of NPTEL marks to grades shall be as per clause 6.5.2. The list of elective courses proposed to be exempted shall be submitted to the Controller of Examinations (CoE) at the beginning of the semester, after obtaining approval from the Head of the Institution.

**Table 3.4 NPTEL Courses with Credits**

S. No.	No. of Weeks	No. of Credits
1	4	1
2	8	2
3	12	3
4	16	4

- c. In addition, students may optionally enroll in courses offered in physical, hybrid, or online modes by Central or State-funded Universities/Institutions ranked within the top 200 positions in the NIRF Ranking and conducting examinations for the award of marks and grades. Students may also enroll in courses offered by foreign universities ranked within the top 500 in the QS World University Rankings during the last three years. Students may further pursue courses for a semester in a University/Institution abroad under a duly approved Memorandum of Understanding (MoU). A Learning Agreement, based on the courses offered in the programme and those offered by the foreign university, shall be approved by the Academic Council. Credits earned by the students shall be transferred in accordance with the approved Learning Agreement.
- d. Students may also enroll in courses offered in physical, online, or hybrid mode by (i) National or State-funded research institutions/laboratories and (ii) reputed industries relevant to the programme of study. The course instructor from the industry shall possess a minimum qualification of B.E./B.Tech. with at least 10 years of research or industrial experience. The syllabus content, duration of the course, and the number of credits to be awarded shall be subject to approval by the Academic Council.

The Course Coordinator nominated from the Department shall attend the industry-supported courses and coordinate the conduct of the Continuous Assessment Test and End Semester Examinations in consultation with course instructor. However, the passing requirements shall be in accordance with the applicable Regulations.

### **3.5.9. Self-study and International Certification Courses**

Students may be permitted to register for a Self-Study Course from the sixth semester onwards under the guidance of a faculty mentor, provided they have no standing arrears and have completed all previously dropped courses. Students who opt to drop courses in a given semester shall not be eligible to register for a Self-Study Course during that semester.

Study materials shall be prepared and provided by the faculty mentor, and no formal lectures are required. However, the faculty mentor shall monitor the student's progress on a weekly basis, and the student shall meet the mentor at least once a week. Students shall complete assignments/tutorials and appear for Continuous Assessment and End Semester Examinations to earn the prescribed credits.

Students may also register for international certification courses offered by reputed national or international organizations or industries. Self-Study Courses shall be approved by a committee comprising the Head of the Department, Programme Coordinator, Module Coordinators and Faculty Mentor.

### **3.6. B.E./B.Tech. (Honours) and B.E./B.Tech. Minor Degree**

Students may opt for either B.E./B.Tech. (Honours) in the same discipline or B.E./B.Tech. Minor with specialization in another discipline. Both options are voluntary, and a student may choose only one. Students shall register separately for these additional courses and pay the prescribed examination fees.

Students shall obtain Honours degree by successful completion of additional courses in the 'FIRST APPEARANCE' itself. These additional courses are over and above the courses prescribed in the respective curriculum from 'FIFTH' semester onwards. Additional courses shall be either a 'CAPSTONE DESIGN PROJECT' or 'SIX ELECTIVE COURSES'.

- (i) Students shall earn 'EIGHTEEN' credits and split up of credits shall be given in the respective curriculum.
- (ii) Eligibility for any student admitted under Clause 3.1 (i) of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters together and also students should not have any history of arrears from first semester.
- (iii) Eligibility for any student admitted under Clause 3.1 (ii) & Clause 3.1 (iii) of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters together without any backlog arrears in Third and Fourth semesters.

#### **3.6.1. Six Elective Courses for 'HONOURS' Degree**

(i). Students shall opt for 'Honours' Degree by undergoing 'SIX' additional elective courses from the Honours vertical as listed from V to VII semester as listed in the respective curriculum. The student shall earn 'EIGHTEEN' additional credits through the course works, which are related to the major discipline of study. Evaluation and

'PASS' requirement of these courses is as per Clause 6 for Theory & Laboratory Integrated Theory courses respectively.

(ii). On successful completion of six elective courses, 'HONOURS' shall be conferred to the students, who secure a CGPA of 8.50 or higher, without any history of arrears. If the student after successful completion of 'SIX' courses secures less than 8.50 CGPA, 'HONOURS' degree shall not be conferred.

(iii). If the student decides to opt out of Honours Degree, after successful completion of certain number of course work(s), these course(s) shall be treated as equivalent to Elective Course(s). In such case, the student shall be permitted to drop the equal number of Elective Course(s).

(iv). If the student successfully completes more number of Elective Course(s), over and above the mandatory Elective course(s) as prescribed in the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be only printed on the grade sheet and grade obtained in these courses shall not be considered for computation of CGPA.

**(i) B.E./B.Tech. Minor (Specialization in Another Discipline)**

- a) Students shall be awarded with minor degree upon successful completion of additional courses over and above the courses as prescribed in the respective curriculum from 'FIFTH' semester onwards.
- b) Students shall earn 'EIGHTEEN' credits and split up of credits shall be prescribed in the respective curriculum.
- c) Eligibility for any student admitted under Clause 3.1 of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters together and also students should not have any history of arrears from first semester.
- d) Eligibility for any student admitted under Clause 3.1 (ii) & Clause 3.1 (iii) of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters together without any backlog arrears in Third and Fourth semesters.
- e) A student shall register for a 'Minor' degree, from the V semester by registering basket of courses as prescribed in the curriculum of the UG Programme offered by the department other than the parent department of the student. Evaluation and 'PASS'

requirement of these courses is as per Clause 6.1, Clause 6.2 and Clause 6.3 for Theory & Laboratory Integrated Theory courses respectively.

- f) In order to get a Minor Degree, a student shall successfully complete the group of courses as prescribed in the curriculum of the Department offering the Minor Degree and earn 'EIGHTEEN' additional credits. Grades obtained in the group of courses shall also be considered for computation of CGPA, along with the courses in the curriculum for the programme of study.
- g) If the student decides to opt out of Minor Degree, after successful completion of certain number of course(s), these course(s) can be treated as equivalent to OE Course. In such case, the student shall be permitted to drop the equal number of OE course.
- h) If the student successfully completes more number of OE Course over and above the courses prescribed in the curriculum, the courses with higher grades shall be considered for the computation of CGPA. Remaining courses shall be only printed on the grade sheet and grade obtained in these courses shall not be considered for computation of CGPA.
- i) Minor Degree shall be reflected in the degree certificate as "B. E., / B. Tech., in XYZ Engineering with Minor in ABC", where 'XYZ' is the Major Discipline of study and 'ABC' is the Discipline in which Minor Degree is offered.

### 3.6.2. Employability Enhancement Skill Based Courses

Skill-based experiential learning courses shall be offered under two categories:

- (i) purely Laboratory-Based Courses and (ii) Theory-Integrated Laboratory Courses, with credits assigned as prescribed. One such course shall be offered in each semester from 5<sup>th</sup> Semester to 7<sup>th</sup> Semester.

**Table 3.5: Employability Enhancement Skill Based Courses**

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

A student may earn up to a maximum of 6 credits through such courses, and these credits may be considered in lieu of Professional Elective and/or Open Elective courses prescribed in the curriculum.

These courses may be offered in collaboration with identified firms or industries, with one course coordinator assigned from the Department and a Mentor nominated by the respective firm.

#### **Assessment Pattern:**

The evaluation of the above-mentioned courses shall be entirely Continuous Assessment and will be carried out jointly by the Course Coordinator from the Institution and the Mentor from the associated firm/company.

- a. If the course includes certification from the identified firm/company, the distribution of marks shall be as follows:
  - 20% of the total marks shall be awarded as Continuous Assessment by the Institution.
  - 30% shall be based on the marks awarded by the firm/industry.
  - 50% shall be evaluated by the respective Course Coordinator(s) of the institution through appropriate theory and/or laboratory examinations
- b. If the course does not include certification from the firm/company, the distribution of marks shall be as follows:
  - 50% shall be based on the marks awarded by the firm/ industry.
  - 50% shall be evaluated by the respective Course Coordinator(s) of the institution through appropriate theory and/or laboratory examinations.

### 3.7. Course Code

Each course offered by a department shall be assigned a course code consisting of 9 characters. Each character or combination of characters represents a unique identifier, including the regulation code, programme code, revision code, course type, semester code, serial number of the course, and category of the course, as detailed in Table. 3.6.

**Table 3.6 Course Code Nomenclature**

26	ME	1	0		1	T	
Regulation	Department (ME*)	Semester 1/2/3...	Program Core Course	0	Serial No. of course starts from 1 for theory and restart from 1 for practical courses	Theory	T
			Common Course	C		Laboratory	L
			Professional Elective	E		Project Work/ Internship/ Mini Project/ Micro Project	P
			Open Elective	N		Integrated	I
			Audit	A			
			Mandatory	Y			
			Career Guidance	G			
			Value Added	V		Project Based Learning	J
			Bridge Course	B			
NPTEL / SWAYAM / MOOC	S						

The course code nomenclature for the Honour and Minor degree courses are given Table 3.7.

**Table 3.7 Course Code Nomenclature for Honour and Minor Degree Courses**

26	ME	H		01	T	
Regulation	Department (ME*)	Honor Course	H	Serial No. of course starts from 01 for theory and practical courses	Theory	T
		Minor Degree Courses	M		Integrated	I
					Project Based Learning	J

The course code nomenclature for the Value Added, Bridge and NPTEL / SWAYAM / MOOC courses are given Table 3.8.

**Table 3.8 Course Code Nomenclature for Value Added, Bridge, and NPTEL / SWAYAM / MOOC Courses**

26	ME	V		01	T	
Regulation	Department (ME*)	Value Added	V	Serial No. of course starts from 01 for theory and practical courses	Lab Based	L
		One Credit	D		Integrated	I
		NPTEL / SWAYAM / MOOC	S		Project Based Learning	J
		Bridge Course	B			

In case of revisions to any course, as approved in subsequent Board of Studies or Academic Council meetings, the revision shall be indicated at the end of the course code using R1, R2, and so on. The revision code shall not be applicable to courses such as value-added courses, bridge courses, and NPTEL/SWAYAM/MOOC courses.

For example,

- (iv) **26CS7C05J** – First two numerals represent the **regulation**, 3<sup>rd</sup> & 4<sup>th</sup> alphabets represent the **Computer Science and Engineering programme** code, 5<sup>th</sup> numeral represents the **seventh semester course**, 6<sup>th</sup> alphabet indicates the **common course**, 7<sup>th</sup> & 8<sup>th</sup> numerals indicate the **fifth course** in seventh semester, 9<sup>th</sup> alphabet represents the **project-based course**.
- (v) **26EE5E03IR1** – First two numerals represent the **regulation**, 3<sup>rd</sup> & 4<sup>th</sup> alphabets represent the **Electrical and Electronics Engineering programme**, 5<sup>th</sup> numeral represents the **fifth semester course**, 6<sup>th</sup> numeral indicates the **programme elective course**, 7<sup>th</sup> & 8<sup>th</sup> numerals indicate the **third course** in fifth semester, 9<sup>th</sup> alphabet represents the **integrated course** and 10<sup>th</sup> & 11<sup>th</sup> alpha-numeral indicate the **first revision**.

- (vi) **26FTH03IR2** – First two numerals represent the **regulation**, 3<sup>rd</sup> & 4<sup>th</sup> alphabets represent the **Food Technology programme**, 5<sup>th</sup> alphabet represents the **Honour Degree Course**, 6<sup>th</sup> & 7<sup>th</sup> numerals indicate the **third course**, 8<sup>th</sup> alphabet represents the **Integrated Course** and 9<sup>th</sup> & 10<sup>th</sup> alpha-numeral indicate the **second revision**.

### **3.8. Medium of Instruction**

Medium of Instruction for all the B.E. / B. Tech. programmes is 'English'.

### **3.9. Academic Calendar**

The dates of all academic activities including those of course registration, first and the last days of classes, examinations, supplementary examinations and vacation are published in the Academic Calendar every semester. The academic calendar for each semester shall be available in the institution website.

## **4. COURSE ADMINISTRATION**

### **4.1. Course Registration**

- 4.1.1.** Every student admitted to the programme shall register before the commencement of each semester to enroll in the courses offered during that semester, in accordance with the academic calendar. Registration is a mandatory procedural requirement to ensure that the student's name is included in the official roll list. The responsibility for completing the registration process within the stipulated time rests with the student. For any clarification, the student shall approach the Head of the Department or the Head of the Institution concerned.
- 4.1.2.** Courses dropped in previous semesters can be registered in subsequent semesters if they are offered. A student shall not be permitted to re-register for any course that has been successfully completed, for any reason whatsoever.
- 4.1.3.** Students shall register for courses in a semester subject to a maximum credit limit of 36 credits, inclusive of courses registered under Honours or Minor Degree programmes and courses re-registered due to shortage of attendance.
- 4.1.4.** Students shall add or drop courses only within the period mentioned in the Academic Calendar. Each request for addition or withdrawal of a course shall be processed through Head of the Department concerned, subject to the fulfillment of prescribed prerequisites and other applicable conditions. All approved add/drop requests shall be communicated to the Head of the Institution within 10 working days from the commencement of the academic session. Under no circumstances shall any add or drop of courses be permitted after 10 working days from the start of the academic session. Courses that are dropped and subsequently re-registered shall not be treated as an attempt for classification purposes in that semester.

**4.1.5.** Students enrolled in the B.E./B.Tech. programmes may be permitted to drop one or two courses from the second to the final semester, subject to the applicable regulations.

The following rules shall be adhered to for the addition or withdrawal of course(s):

- i. Total credits dropped in a semester shall not exceed 6 credits. Students shall complete all courses and earn the total credits prescribed for the programme within the stipulated duration as per Clause 3.4.
- ii. A course shall not be permitted to be dropped if it serves as a prerequisite for courses in the succeeding semester.
- iii. From the 5<sup>th</sup> to 7<sup>th</sup> semesters, students may register for additional courses in a semester. For enrollment in B.E./B.Tech. (Honours) or B.E./B.Tech. Minor programmes, a student may register up to a maximum of 2 courses, not exceeding 6 additional credits per semester. However, online courses registered under the B.E./B.Tech. (Honours) or B.E./B.Tech. Minor programmes shall be over and above the 36-credit limit.

**4.1.6.** If a student does not successfully complete a Programme Elective (PE) or Open Elective (OE) course in a particular semester, the student shall be permitted to register for an alternative course under the respective category in the subsequent semester(s), subject to the applicable regulations.

**4.1.7.** Professional Elective (PE) courses are presented in the Curriculum in a tabular format as verticals (specialisation groups). A student may choose all Professional Elective courses either from a single vertical or as a combination of courses from different verticals within a semester. However, irrespective of enrollment in additional courses under B.E./B.Tech. (Honours), a student shall not be permitted to select more than one course from the same row in a semester. Students may enroll in more than one elective from the same vertical in a semester. In subsequent semesters, a student may register for another course from the same row only if the earlier course in that row has been successfully completed. For Professional Elective and Open Elective courses, a minimum enrolment of 10 students is required for the course to be offered. This minimum requirement shall not apply to students enrolled in B.E./B.Tech. (Honours) or B.E./B.Tech. Minor programmes. For each Professional Elective offered, at least two course options shall be provided.

**4.1.8. Value Added Courses**

- (i) Students may optionally register for Value-Added (VA) Course(s). Credits earned upon successful completion of these courses shall be recorded in the Grade Sheet; however, they shall not be counted for CGPA computation. Students may also take VA courses offered by other departments, subject to approval by the Head of the Institution.

- (ii) The syllabus content, timetable, and faculty for conducting Value-Added (VA) Course(s) shall be submitted to the Departmental Committee (DC) for recommendations. The DC, constituted by the Head of the Institution, shall consist of:
- Head of the Department concerned
  - One Professor or Associate Professor from the parent department
  - One Professor or Associate Professor from an allied department
  - One Assistant Professor from the parent department
  - Faculty Mentor(s) of the class
- (iii) The recommendations of the Departmental Committee (DC) shall be forwarded to the Head of the Institution within 30 working days from the commencement of the semester for approval to offer VA Course(s) in the subsequent academic semester. Once approved by the Head of the Institution, the Department may offer the VA Course(s). Post-facto approval shall not be granted under any circumstance.
- (iv) The results of Value-Added (VA) Course(s) shall be recorded in the Grade Sheet only upon successful completion of the course. However, the credits earned shall not be included in the computation of the CGPA.

#### **4.1.9. Advance of 8<sup>th</sup> Semester Courses**

Students may be allowed to pre-register and complete eighth-semester courses during the 6<sup>th</sup> and 7<sup>th</sup> semester vacation, provided they meet the eligibility criteria set by the Institution, including having no standing arrears and a minimum CGPA of 7.5.

#### **4.2. Course Exemption**

Students may be granted course exemptions for 3 one-credit courses or a 3 credit course under Clause 6.2.11, NPTEL courses as per Clause 3.5.9, online courses as per Clause 3.5.9 (c), industry-supported courses as per Clause 3.5.9 (d), credits earned through student mobility programme (Clause 6.2.15), self-learning courses (Clause 3.5.10), social internship (Clause 3.5.3), International certification courses (Clause 3.5.10) and NCC with B-Certificate as per Clause 3.3.4. Students receiving awards/ Won contest shall also receive 3 Credits. Courses shall be waived in lieu of Professional / Open Electives. Maximum number credits permitted to be waived is 15 credits.

#### **4.3. Attendance Requirement and Progress**

**4.3.1.** Students are required to attend all classes without exception. The attendance for each course is calculated based on

$$\% \text{ of attendance} = \frac{\text{Actual No. of classes Attended}}{\text{Total No. of Classes Conducted}} \times 100$$

**4.3.2.** The affiliating University requires students to maintain a minimum overall attendance of 80%. This overall attendance is determined by calculating the average attendance across all courses registered by the student in a given semester. For instance, if a student records

attendance of ATT1, ATT2, ATT3, ATT4, ATT5, and ATT6 in Course 1, Course 2, Course 3, Course 4, Course 5, and Course 6 respectively, then the student's overall attendance is computed as the average of these values

$$\% \text{ of Overall attendance} = \frac{(ATT1+ATT2+ATT3+ATT4+ATT5+ATT6)}{\text{Total No. of Classes Conducted for 'SIX' Courses}} \times 100$$

The overall percentage of attendance for a student in a semester is calculated as follows:

$$\% \text{ of Overall Attendance} = \frac{\text{Actual No. of Periods Attended in All Registered Courses (AP)}}{\text{Total No. of Periods Conducted in All Registered Courses (TP)}} \times 100$$

**4.3.3.** Marks will be awarded based on the student's attendance in each course, and the distribution of marks is given in Table 4.1.

**Table 4.1 Course Code Nomenclature for Value Added, Bridge, and NPTEL / SWAYAM / MOOC Courses**

Attendance (%)	80 – 85%	86 – 90%	91 – 95%	Above 95%
Marks	1	2	3	5

The marks earned by a student shall be included in the Continuous Assessment for each course, based on the percentage of attendance secured in that particular course, as specified above.

**4.3.4.** In case a student is unable to attend classes due to medical reasons, a valid Medical Certificate must be submitted to the Head of the Institution within five days from the date of resuming classes. If a student fails to secure the required 80% attendance but has a minimum of 70%, the Medical Certificate may be considered subject to the approval of the Head of the Institution. In such cases, the overall attendance for the semester shall be calculated as per Clause 4.3 of the regulations, by including the number of periods missed due to the medical emergency (MEP), as given below.

$$\% \text{ of Overall Attendance} = \left( \frac{AP}{TP - MEP} \right) \times 100$$

A student shall be permitted to appear for the Autonomous End Semester Examinations only if they have secured an attendance of 75% or above in each registered course.

**4.3.5.** Under no circumstances will medical certificate(s) submitted after the due date specified in Clause 4.3.4 be accepted. In such cases, the student's attendance percentage shall be calculated as per Clause 4.3.1.

**4.3.6.** A student shall be prevented from appearing for the End Semester Examinations in all courses of a semester if the overall attendance is less than 80%. Such students shall not be permitted to proceed to the next semester. However, they may be allowed to rejoin

the programme in the same semester of prevention, during the subsequent academic year and must undergo all the prescribed courses. In case of any changes in the academic regulations, including addition or deletion of courses, the principal shall determine the revised requirements based on the recommendations of the Re-Admission Committee constituted by the Head of the Institution, and the student shall complete any additional courses, if applicable, to fulfill the programme requirements.

- 4.3.7.** Students must obtain prior approval from the Head of the Institution to participate in campus recruitment, seminars, project work, internships, and co-curricular or extra-curricular activities. Attendance for such activities shall be considered as 'On-Duty' only with prior approval. Students are permitted to avail On-Duty for up to 10% of the total working days in a semester. However, students representing the institution in sports at the University, State, National, or international level may avail On-Duty without the 10% limitation. In such cases, the Institution shall arrange additional classes for these students to enable them to achieve the prescribed overall attendance required to appear for the End Semester Examinations.
- 4.3.8.** The list of students eligible to appear for the End Semester Examination(s), as well as those prevented from appearing, shall be published by the Controller of Examinations within 3 working days from the last working day of the respective semester.
- 4.3.9.** A student who is eligible to appear for the End Semester Examinations may withdraw from one or more course(s) for bona fide reasons, subject to prior approval of the Head of the Institution. In cases of medical emergencies, post-facto approval may be granted, provided prior intimation has been given by the student, parent, or guardian to the Head of the Institution. The student shall appear for the End Semester Examination of the withdrawn course(s) in the subsequent semester. Such withdrawal shall not be considered as an attempt for the purpose of degree classification. If a course is withdrawn in the final semester, a supplementary examination shall be conducted within a maximum of 30 working days from the date of publication of the results.

#### **4.4. Readmission Policies**

After the completion of the approved 'Break of Study' period, the student shall be permitted to rejoin the programme in the same semester for which the Break of Study was granted. The student must rejoin within ten working days from the commencement of the semester, and under no circumstances shall this period be extended. The regulations and curriculum in force at the time of rejoining shall be applicable to such students. The student's appearance (including absence) in the End Semester Examinations for the concerned courses in that semester shall be treated as the 'first appearance'. In the event of any changes in the academic regulations or curriculum, the student shall be required to undergo additional course(s) or may be granted exemption from certain course(s), as

recommended by a committee constituted by the Head of the Institution. Any such addition or exemption of courses due to regulatory changes shall be communicated to the student within fifteen working days from the date of re-joining.

#### **4.5. Faculty Mentor System**

**4.5.1.** Each Department of the Institution shall adopt a faculty mentor system, wherein a faculty member is assigned to oversee the general welfare of a group of students, typically comprising 10 to 15 individuals. Faculty mentors shall provide necessary guidance and support in academic matters and, where required, in personal matters as well. Students are expected to consult their Faculty Mentor regarding issues related to academic performance and course selection in various semesters.

**4.5.2.** In addition to the above, the roles and responsibilities of a Faculty Mentor include:

- Familiarizing students with the academic system of the Institution, particularly at the commencement of their programme.
- Reviewing the courses already completed by the student and advising on the courses to be taken in the forthcoming semester.
- Guide students in selecting appropriate courses.
- Act as a liaison between students and course instructors on academic matters, including issues such as learning difficulties and language barriers.
- Review the academic progress of students at least once each semester.
- Identify instances of declining performance, counsel the students, and suggest suitable measures for improvement or support.
- Provide information regarding scholarships, placements, and co-curricular and extracurricular activities.
- Coordinate with other academic bodies, whenever necessary.

### **5.COMMITTEES AND GOVERNANCE**

#### **5.1. Class Committee**

**5.1.1.** Every class shall have a Class Committee comprising student representatives, designated faculty members, and a Chairperson who is not involved in teaching that class. The committee functions as a 'Quality Circle', aimed at enhancing the teaching-learning process. The functions of the Class Committee include:

- Addressing issues faced by students in the classroom and laboratories
- Clarifying the regulations of the degree programme and the relevant rules, particularly those pertaining to Clauses 3.4 and 4.3
- Informing student representatives about the academic schedule, including assessment dates and syllabus coverage for each assessment

- Communicating details of the assessment scheme, including weightage for each component. In the case of practical courses (laboratory, drawing, project work, seminar, etc.), the breakup of marks for each experiment, mini-project, exercise, or module shall be clearly explained during the Class Committee meeting and conveyed to the students
- Analysing student performance after each assessment and identifying measures to improve learning outcomes and overall performance
- Identifying academically weak students, if any, and recommending that the concerned faculty provide additional support, guidance, or remedial coaching

**5.1.2.** The Class Committee for a class within a specific branch shall normally be constituted by the Head of the Department. However, in cases where students from multiple branches are combined in a single class (such as in the first semester, which is typically common to all branches), the Class Committee shall be constituted by the Head of the Institution.

**5.1.3.** The Class Committee shall be constituted within the first week of every semester.

**5.1.4.** The committee shall include at least 4 student representatives (normally two boys and two girls), ensuring representation across all elective courses.

**5.1.5.** The Chairperson of the Class Committee shall conduct the meeting and submit the report to the Head of the Institution. In turn the Head of the Department review the report and submit the action taken report to Head of the Institution within 10 days. The Head of the Institution may also participate in any Class Committee meeting of the Institution.

**5.1.6.** The Chairperson of the Class Committee shall convene and conduct the meetings, record the minutes, and submit them to the Head of the Institution within two days. The minutes shall be circulated to the concerned faculty members and students. Any matters requiring action by the Management shall be communicated to it through the Head of the Institution.

**5.1.7.** The first meeting of the Class Committee shall be conducted within one week from the commencement of the semester to apprise students of the nature and weightage of assessments within the framework of the regulations. Subsequently, two or three meetings may be held at appropriate intervals during the semester. The Chairperson of the Class Committee shall display the cumulative attendance details of each student on the notice board after every meeting, enabling students to be aware of their attendance status in accordance with Clause 4.3 of the Regulations. During these meetings, student representatives shall have the opportunity to present the views and suggestions of their peers to enhance the effectiveness of the teaching–learning process.

## **5.2. Course Committee for Common Courses**

Each common courses offered to more than one section, discipline, or group shall have a “Course Committee” comprising all faculty members handling that course, with one member nominated as the Course Coordinator/Module Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department or the Head of the Institution, depending on whether the faculty members belong to a single department or multiple departments. The Course Committee shall meet periodically to ensure uniformity in the conduct and evaluation of assessments and to establish a common evaluation scheme. Wherever feasible, the committee may also prepare a common question paper for internal assessment tests.

## **5.3. Grievance Cell**

Institution shall constitute a ‘Student Grievance Committee’ under the chairmanship of the Head of the Institution. The committee shall consist of the following members:

1. Head of the Institution – Chairperson.
2. Faculty Representatives – Three faculty members in the cadre of Professor / Associate Professor from different departments, of whom one shall be a woman faculty member.
3. Student Representatives – Two student representatives, preferably from the final or third year, including one girl student.
4. Member Secretary – A faculty member nominated by the Head of the Institution to coordinate the committee.

Students may approach this committee to address both academic and non-academic grievances. The committee shall be constituted by the Head of the Institution, and the tenure of the faculty representatives and the Member Secretary shall be for a period of one academic year.

## **5.4. Guidance & Counselling Cell**

Institute shall establish a dedicated ‘Guidance and Counselling’ Cell. This cell shall comprise qualified psychological counsellors, faculty representatives including faculty mentors, and student representatives. The unit shall provide guidance, support, and counselling services to students in academic, personal, and psychological matters. The Guidance and Counselling Cell shall be constituted by the Head of the Institution, in accordance with the norms prescribed by the Institution.

## **5.5. Prevention of Sexual Harassment (POSH) Cell**

A ‘POSH Cell’ (Prevention of Sexual Harassment Cell) shall be established in Institution to ensure a safe and secure working and learning environment for women and

girl students. This cell shall function in accordance with the applicable statutory provisions and institutional policies. More information about this cell can be accessed at the following link:

## **5.6. SC / ST Cell**

A separate cell is functioning in the institution to safeguard the rights and privileges of students belonging to the SC/ST categories. This cell shall also create awareness among students regarding various scholarships and fellowships and encourage them to apply for eligible schemes. More information about this cell can be accessed at the following link:

## **5.7. Institute Academic Affairs Committee**

**5.7.1.** The Institute Academic Affairs Committee (IAAC) shall function under the chairmanship of the Head of the Institution. This statutory committee shall be constituted by the Head of the Institution, and its composition shall be as follows:

1. Head of the Institute – Chairperson
2. Faculty Representatives – All the Head of the Departments
3. Student Representatives – Two student representatives from each year and one shall be a girl student
4. Member Secretary – A faculty member in the cadre of Professor / Associate Professor to be nominated by Head of the Institution

**5.7.2.** The first meeting of the IAAC shall be conducted within seven working days from the commencement of the academic session. The second meeting shall be held after the first assessment period, and the third meeting shall be conducted at least ten working days prior to the last date of the academic session.

**5.7.3.** Major responsibilities of IAAC include:

- (i) Address difficulties faced by students in classrooms and laboratories, if any.
- (ii) Analyse the academic performance of students after each assessment and identify measures to improve their performance.
- (iii) Ensure that the minutes of each meeting are properly prepared and recorded.
- (iv) Communicate the minutes of the meetings to faculty members, students, and other stakeholders.
- (v) Uphold the highest standards of academic integrity and ensure maximum transparency in all academic processes.
- (vi) Identify areas where students require academic support and recommend appropriate remedial measures.

## **5.8. Discipline and Code of Conduct**

Students involved in serious disciplinary offences (such as ragging, misbehaviour, etc.) shall be subject to a detailed inquiry conducted by the Institute's Disciplinary Committee within seven working days from the date of cognizance of the incident. The Disciplinary

Committee shall be constituted by the Head of the Institution and shall comprise the following members shown in Table 5.1.

**Table 5.1 Constitution of Disciplinary Committee**

1.	Head of the Institute	Chairperson
2.	Head of the Department of the student (s) concerned	Member
3.	Head of the Department from other department	Member
4.	Professor / Associate Professor from other department	Member
5.	Professor / Associate Professor (Women) from other department	Member
6.	Faculty Advisor of the respective student	Member

The Institutional Disciplinary Authority / Student Affairs Committee shall forward the committee's report, along with its remarks, to the Head of the Institution. Based on the recommendations, if the Head of the Institution proposes suspension for more than one week, debarring for a semester, or issuance of a Transfer Certificate, the report shall be placed before the Institution's Students' Grievance Redressal Committee for appropriate disciplinary action, subject to the charges being proven. The student's representation shall be duly considered at all stages of the inquiry before imposing any penalty.

## **6. ASSESSMENT AND EXAMINATION SYSTEMS**

### **6.1. System of Examination**

- 6.1.1.** Performance in each course shall be evaluated based on (i) Continuous Assessment conducted throughout the semester, and (ii) the End Semester Examination held at the end of the semester.
- 6.1.2.** Each course, whether theory or practical (including project work and viva voce examinations), shall be evaluated for a maximum of 100 marks.
- 6.1.3.** For all theory courses, Continuous Internal Assessment shall carry 40 marks, while the End Semester Examination shall carry 60 marks.
- 6.1.4.** For all integrated courses, the Continuous Internal Assessment shall carry 50 marks, while the End Semester Examination (theory component) shall also carry 50 marks.
- 6.1.5.** For all laboratory courses, Continuous Internal Assessment shall carry 60 marks, while the End Semester Examination shall carry 40 marks.
- 6.1.6.** For all project-based courses, Continuous Internal Assessment shall carry 50 marks, and the End Semester Examination shall carry 50 marks.
- 6.1.7.** For project work, Continuous Internal Assessment shall carry 60 marks, while the End Semester Examination shall carry 40 marks.
- 6.1.8.** Industrial Training and Seminar shall carry 100 marks and shall be evaluated entirely through Continuous Internal Assessment.

- 6.1.9.** The End Semester Examinations (theory and practical), of three hours duration, shall ordinarily be conducted between October and December during ODD semesters, and between April and June during EVEN semesters.
- 6.1.10.** The End Semester Examination for Project Work II shall include evaluation of the final report submitted by the student or project group (not exceeding two students) by an external examiner and an internal examiner, followed by a viva voce examination conducted individually for each student. The viva voce shall be conducted by a committee comprising the external examiner, the project supervisor, and an internal examiner.
- 6.1.11.** For the End Semester Examination of practical courses, including Project Work, the examiners shall be appointed by the Controller of Examinations.

## **6.2. Internal Assessment Procedures**

For all theory courses, laboratory courses, integrated courses and Project Work Phase I, continuous assessment shall be carried out as follows:

### **Scheme of Assessment**

All B.E. / B. Tech programmes comprise Theory Courses, Laboratory Courses, Theory with Laboratory Component Courses, and Project-Based Courses appearance in the End Semester Examination is mandatory. All other components, including Career Guidance Courses, Project Work Phase – I, Seminar, Industrial/Practical Training, and other Mandatory Courses, are evaluated exclusively through continuous assessment. Mandatory courses shall carry a maximum of 100 marks each and will be assessed through continuous evaluation tests.

#### **6.2.1. Theory Courses**

Evaluation shall be carried out through Continuous Assessment and the End Semester Examination. For each theory course in the curriculum, student performance shall be assessed for a maximum of 100 marks. The Continuous Assessment component shall carry a weightage of 40%, while the End Semester Examination shall account for the remaining 60%.

- (i) Continuous assessments comprise of two Continuous Assessment Tests (CAT) and activities as prescribed in the syllabus content of the respective course. For each CAT, there shall be a minimum of ONE 'activity' which include tutorials, assignments, group assignments, quizzes, etc, as prescribed in the respective course syllabus. Weightage for CAT and activities is provided in Table 6.1. Average of marks obtained in two assessments, shall be taken as Continuous Assessment marks for a particular course.

**Table 6.1 Weightage for Continuous Assessment in Theory (T) Courses**

<b>Assessment I</b>	<b>Assessment II</b>	<b>Activity</b>	<b>Total</b>
35%	35%	30%	100%

- (ii) The End Semester Examination shall be conducted for a maximum of 100 marks with a duration of three hours. However, for one-credit theory courses, the End Semester Examination shall be conducted for a maximum of 50 marks with a duration of 90 minutes. The marks obtained in such one-credit theory courses shall be proportionately converted to an equivalent score out of 100.

**6.2.2. Theory courses with Laboratory Component**

Evaluation shall be carried out through Continuous Assessment and the End Semester Examination. The Continuous Assessment component shall carry a weightage of 50%, while the End Semester Examination shall also carry a weightage of 50%.

- (i) Continuous Assessment shall consist of two Continuous Assessment Tests (CAT) for the theory component and at least one CAT for the practical component. For each IE, activities such as assignments, group assignments, quizzes, and similar tasks shall be carried out as prescribed in the respective course syllabus. The evaluation of the laboratory practical component shall be based on continuous observation of the student's performance during lab sessions, as well as performance in a mid-term laboratory practical test. Rubrics for assessing the laboratory practical component shall be finalized by the Common Course Committee at the beginning of the semester. The detailed weightage for theory and practical components, with respect to credits, is provided in Table 6.2.

**Table 6.2 Weightage for Continuous Assessments in LIT Courses**

<b>S. No.</b>	<b>L-T-P</b>	<b>C</b>	<b>Continuous Assessments</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Activities</b>
1.	1-0-2	2	20%	20%	10%
2.	1-0-4	3	10%	30%	10%
3.	2-0-2	3	30%	10%	10%
4.	3-0-3	4	30%	10%	10%
5.	2-0-4	4	20%	20%	10%
6.	3-0-3	4.5	30%	10%	10%
7.	3-0-4	5	30%	10%	10%

- (ii) The End Semester Examination shall be conducted for 100 marks with a duration of three hours, carrying the weightage as specified in Table 6.3.

**Table 6.3 Weightage for End Semester Examinations in LIT Courses**

S.No.	L-T-P	C	End Semester Examination	
			Theory	Practical
1.	1-0-2	2	--	50%
2.	1-0-4	3	--	50%
3.	2-0-2	3	50%	--
4.	3-0-2	4	50%	--
5..	2-0-4	4	40%	10%
6.	3-0-4	5	40%	10%

**6.2.3. Laboratory Courses**

Evaluation shall be carried out through Continuous Assessment and the End Semester Examination. The Continuous Assessment shall carry a weightage of 60%, while the End Semester Practical Examination shall carry a weightage of 40%.

- (i) Continuous assessment shall be based on continuous, turn-to-turn supervision of the student's work, submission of observation notebooks, and completion of activities as prescribed in the syllabus of the respective course. Rubrics for each laboratory course shall be designed by the course instructor and approved by the Head of the Department concerned at the beginning of the semester. The weightage for continuous assessment is presented in Table 6.4.

**Table 6.4 Weightage for End Semester Examinations in Laboratory Courses**

Evaluation of Student's work, Observation, Record, etc.	Activities
75%	25%

- (ii) The End Semester Practical Examination for laboratory courses shall be conducted for a maximum of 100 marks. This examination shall preferably be scheduled prior to the commencement of the theory examinations in the respective semester.

**6.2.4. Project Work**

A student or a group of students (not exceeding 2 members) shall undertake a project on a topic of interest under the guidance of a faculty member, who will act as the Project Guide. The students shall regularly interact with the guide at least twice a week. The dates for reviews, report submission, and viva-voce examination shall be specified in the academic schedule.

The project evaluation shall be carried out through continuous assessment (3 reviews conducted at regular intervals), evaluation of the project report, and the final viva-voce examination. Project reviews shall be conducted by a committee constituted

by the respective Head of the Department, comprising the project Guide(s), Project Coordinator, and one internal subject expert. Continuous assessment shall carry a weightage of 60%.

Students shall submit a project report and defend it before a panel of examiners for performance evaluation. The project report shall carry a weightage of 20%, while the final viva-voce examination shall carry a weightage of 20%. The detailed break-up of marks and weightage for continuous assessment and end semester evaluation is provided in Table 6.5.

**Table 6.5 Weightage for Continuous Assessment & End-Semester Examination for Project Work**

Continuous Assessment (60 Marks)			End Semester Examinations (40 Marks)			
Review I	Review II	Review III	Project Report Evaluation		Viva - Voce	
			Guide	External Examiner	Internal Examiner	External Examiner
10	20	30	10	10	10	10

For the conduct of the viva-voce examination, one internal examiner from the respective department and one external examiner, who shall be an industry expert appointed by the Controller of Examinations, shall be nominated.

Two Continuous Assessment Tests shall be conducted during the semester by the concerned department. The total marks obtained across both assessments, out of 100, shall be proportionately scaled down to 40 marks and rounded to the nearest integer. This ensures equal weightage is given to both assessments. The detailed scheme of assessment is presented in Table 1.

If a candidate is unable to appear for any of the two tests due to a valid reason, and has obtained prior permission from the Class Advisor, Head of the Department, or Head of the Institution, he/she shall be permitted to take the missed test. Additionally, an improvement test shall be conducted for students who wish to enhance their internal marks in the respective course(s).

### 6.2.5. Mini Project

A student or a group of students shall undertake theoretical or experimental work to gain an in-depth understanding of the concepts. A Review Committee shall be constituted by the respective Head of the Department, comprising an internal expert, a coordinator, and the respective supervisor, to conduct periodic reviews. Student performance shall be assessed by this committee through Continuous Assessment, which includes three reviews. The first and second reviews shall carry a weightage of 25% each, while the third review shall carry a weightage of 50%, as detailed in Table 6.6. Students

shall submit a report in the prescribed format within the deadline specified by the Head of the Department. During the third review, the committee shall evaluate the project report with a weightage of 30% (out of the 50%) and conduct a viva-voce examination with a weightage of 20% (out of the 50%).

**Table 6.6 Weightage for Assessment of Mini Project**

Review I	Review II	Review III	
		Report	Viva-Voce
25 Marks	25 Marks	30 Marks	20 Marks

#### 6.2.6. Internship / Industrial Training

Students shall undergo a mandatory Internship/Industrial Training during the summer or winter vacation with prior approval from the Head of the Institution. The training must be completed for a minimum continuous duration of two weeks in a recognized organization, and credits will be awarded as prescribed in the curriculum. Students are permitted to undertake internships in industries, universities, or research organizations. Upon completion, an attendance certificate indicating the duration of the internship shall be submitted to the Controller of Examinations. Credits for the internship will be awarded to students undertaking internships or projects in relevant industries as per the norms given in Table 6.7.

**Table 6.7 Credits for Internship / Industrial Training**

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

**\*1 Week = 40 Internship Hours**

The assessment is based on the weightage given in Table 6.8.

**Table 6.8 Industrial Training/ Internship (Continuous Assessment Only)**

Assessment by Industry	Presentation	Viva-voce	Case Study / Report	Total
30 Marks	30 Marks	20 Marks	20 Marks	100 Marks

Students who undergo 6 weeks of training or carry out projects in reputed industries or academic institutions shall be awarded 3 credits. The evaluation will be based on the assessment provided by the industry / academic mentor (50%), the internship report (25%), and a viva-voce examination (25%). The viva-voce shall be conducted internally by a 3-member committee constituted by the Head of the Department in consultation with the Head of the Institution.

### 6.2.7. Social Internship

To promote social responsibility, community engagement, and experiential learning, a one-credit course titled *Social Internship* shall be offered to students. The course requires a minimum of 30 hours of engagement and is designed to expose students to real-life social issues, while fostering a sense of responsibility and enabling the practical application of technical knowledge for community development. It also aims to promote sustainable practices and enhance essential skills such as teamwork, leadership, and communication. Students shall complete the Social Internship during the semester vacation or as scheduled by the department, in organizations such as NGOs, government bodies, schools, or community centres. The internship may be undertaken either individually or in groups comprising three to five students.

### 6.2.8. Industrial Visit

Every student shall undertake at least one industrial visit beginning from the first semester of the programme.

### 6.2.9. Career Guidance Courses

- (i) This course shall be assessed through Continuous Assessment (CA) only, with no End Semester (ES) Examination. It covers areas such as aptitude, verbal and logical reasoning, group discussion, oral and written communication skills, technical paper presentation, resume preparation, and interview skills.
- (ii) Grade Ratings for Career Skill Development (CSD) are as follows: Very Good (VG) - 80 to 100; Good (G)-60 to 79; Fair (F)- 40 to 59; Reappearance (U)-Below 40.

The assessment is based on the weightage given in Table 6.9.

**Table 6.9 Career Guidance Courses (Continuous Assessment only)**

Written test	Oral Communication	Technical Paper Presentation/Interview	Total
50 Marks	30 Marks	20 Marks	100 Marks

### 6.2.10. Value Added Courses

One- and two-credit courses shall carry a maximum of 100 marks and shall be evaluated exclusively through Continuous Assessment. Two assessments shall be conducted by the concerned department, following the prescribed pattern. The total marks obtained in these assessments shall be proportionately scaled to 100 marks and rounded to the nearest integer. The evaluation shall be carried out by a committee comprising the Head of the Department, the faculty handling the course, and a senior faculty member nominated by the Head of the Institution. The list of students, along with

the marks obtained, shall be forwarded to the Controller of Examinations at least one month prior to the commencement of the End Semester Examinations for necessary action.

**Table 6.10 Value Added Courses / Certificate courses**

<b>Continuous Assessment Test 1</b>	<b>Continuous Assessment Test 2</b>	<b>Total</b>
50 Marks	50 Marks	100 Marks

Grades (Excellent (80 to 100) / Good (60 to 79) / Satisfactory (50 to 59))

### 6.2.11. One Credit Courses

Students shall be permitted to enroll in courses offered by industry experts with a duration of 15–20 hours, which shall be treated as one-credit courses. Upon successful completion and passing of examinations in 3 such one-credit courses, a maximum of one 3 credit Professional Elective/Open Elective course may be exempted in the 7<sup>th</sup> semester. Such courses shall be offered with the approval of a committee comprising the Head of the Department, Programme Coordinator, Module Coordinators, and Course Coordinators, in consultation with the Head of the Institution. Students may also enroll in one-credit courses offered by other departments, subject to prior permission from the Head of the Institution. The weightage for continuous assessment is provided in Table 6.11.

**Table 6.11 One Credit Course (Continuous Assessment only)**

<b>Continuous Assessment Test</b>	<b>Quiz and Assignment Marks</b>	<b>Total</b>
50 Marks	50 Marks	100 Marks

### 6.2.12. Industry Oriented Courses (Refer Anna University R2025) – One Credit Courses

### 6.2.13. System-Based Examination and Open Book Examination

System-Based Examinations shall be conducted for programming-related courses during both Continuous Assessment (CA) tests and End Semester Examinations (ESE). For analytical subjects, computer-aided examinations shall be administered during CA tests, following patterns similar to competitive examinations such as GATE. In addition, computer-based quizzes shall be conducted for all courses as part of the assessment process.

Open Book Examinations (OBE) may be conducted for selected analytical courses during Continuous Assessment tests. The courses identified for OBE shall be recommended by the Board of Studies (BoS) and approved by the Academic Council. The implementation of such examinations shall be overseen by a committee comprising the Head of the Department (HoD), Programme Coordinator, and Module Coordinator.

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

**6.2.15. Student Mobility Programme (SMP)**

Credits are offered to encourage students from all departments to visit universities abroad and earn credits through courses / project work. The Office of International Relations shall organize awareness programmes on the Student Mobility Programme (SMP) and facilitate the process. Students shall be recommended for Study Mobility Programmes (SAP) to institutions such as MoU-partnered universities, Top 500 QS-ranked universities, Times Higher Education (THE) ranked universities, and Shanghai Ranking universities, NITTTR and CDAC. A minimum CGPA of 7.0 with no current arrears is required for students to apply for the SMP.

The committee, comprising the Course Coordinator, Head of the Department, and Dean (Academics), shall be responsible for verifying the course title and content completed by the student under the Student Mobility Programme and recommending the appropriate number of credits to be awarded under each category (Programme Elective, or Open Elective), along with the corresponding grade.

**Project Work:**

**Option I:** Students shall undertake their project work at the campus of a foreign university under the guidance of a faculty member from that institution, in addition to a guide from KSRCT. The progress of the work shall be jointly monitored by both guides and evaluated periodically. The final viva voce examination for the project shall be conducted at KSRCT only after the successful completion of the project and the return of the student.

**Option II:** Students who complete their internship or project work through the Student Mobility Program may claim the corresponding credits. A committee comprising the Course Coordinator, Head of the Department, and Dean (Academics) shall verify the quality of the work completed by the student and recommend the grade to be awarded.

The grades obtained in courses, project work, or capstone projects completed through the Student Mobility Program shall be considered for the computation of the student's CGPA.

**6.2.16. Conduct of Academic Audit**

Every educational institution shall strive for a better performance of the students by conducting the continuous assessments as mentioned in Clause 6.

To ensure effective implementation of academic processes, an Academic Audit shall be conducted for every course offered during the semester. All continuous assessment components, as specified in Clause 6, shall be systematically documented. This includes records of individual assignments, case study reports, mini-project reports submitted by

students, as well as question papers and evaluated answer scripts of assessment tests. Reports of industrial training and internships shall also be maintained. For laboratory courses, students' practical records shall be preserved. Additionally, student attendance for all courses shall be properly recorded and maintained.

The Head of the Institution shall organize the Academic Audit for each course in every semester by constituting appropriate committees. Each committee shall include an external course expert from a reputed nearby technical institution. The University or any inspection team authorized by it may review the Academic Audit reports and related records of both current and previous semesters at any time, as deemed necessary.

**6.2.17.** In summary, the weightage for Continuous Assessment (CA) and End Semester Examination (ESE) for various categories of courses is presented in Table 6.12.

**Table 6.12 Summary of Weightages for Continuous Assessments & End Semester Examination for various category of courses**

S. No.	Type	Continuous Assessments	End Semester Examinations
1.	Theory	40 Marks	60 Marks
2.	Theory cum Laboratory Component	50 Marks	50 Marks
3.	Laboratory	60 Marks	40 Marks
4.	Project Work / Internship cum Project Work	60 Marks	40 Marks
5.	Internship / Industrial Training	100 Marks	-
6.	Mini-Project	100 Marks	-
7.	Social Internship	100 Marks	-
8.	Career Guidance Courses`	100 Marks	-
9.	Value Added Courses	100 Marks	-
10.	One Credit Courses	100 Marks	-

### 6.3. Requirements for Appearing for End-Semester Examinations

- (i) A student shall ordinarily be permitted to appear for the End Semester Examinations (ESE) for all courses registered in the current semester (as per Clause 4.1), provided he/she has satisfied the semester completion requirements (as per Clause 4.3)
- (ii) Registration for the End Semester Examinations is mandatory for all courses in the current semester, as well as for all arrear courses. Failure to register for these examinations shall render the student ineligible to progress to the next higher semester.
- (iii) A student who has already appeared for a course and successfully passed it shall not be permitted to reappear for the same course for the purpose of grade improvement.

#### 6.4. Passing Requirements

- (i) A student shall be declared to have 'PASS' in a course upon satisfying the following conditions.
- For Theory, Theory-cum-Laboratory, and Laboratory courses, a student shall secure a minimum of **45% marks in the End Semester Examination (ESE)** and a minimum of **50% marks in aggregate**, combining both Continuous Assessment (CA) and End Semester Examination (ESE), to be declared as **PASS**.
  - For Project Work / Internship-cum-Project Work, a student shall secure a minimum of **45% marks in the End Semester Examination (Project Report Evaluation and Viva-Voce Examination)** and a minimum of **50% marks in aggregate**, combining both **Continuous Assessment (CA)** and **End Semester Examination (Project Report Evaluation and Viva-Voce Examination)**, to be declared as **PASS**.
  - For Internship / Industrial Training, a student shall secure a minimum of **50% marks in Continuous Assessment (CA)** to be declared as **PASS**.
  - For the Mini Project, a student shall secure a minimum of **50% marks in Continuous Assessment (CA)**, evaluated through 3 reviews as specified in Clause 6.2.5, to be declared as **PASS**.
  - For One Credit Courses, a student shall secure a minimum of **50% marks in Continuous Assessment (CA)** to be declared as **PASS**.
  - For the Career Guidance Course, a student shall secure a minimum of **50% marks in Continuous Assessment (CA)** to be declared as **PASS**.
- (ii) If a student fails to secure a pass in a Theory, Integrated, or Laboratory course (except electives), the student shall register and appear only for the End Semester Examination (ESE) in the subsequent semester. In such cases, the Continuous Assessment (CA) marks obtained during the first attempt shall be retained and considered valid for all subsequent attempts until the student secures a pass. However, from the third attempt onwards, if the student fails to secure the minimum pass requirements (CA + ESE) as specified in Clause 6.4.1, the student shall be declared to have passed the course if he/she obtains a minimum of **50% marks in the End Semester Examination alone**. In such cases, the student shall be awarded the **lowest passing grade, 'C'**.
- (iii) If a student fails in a Professional Elective or Open Elective course, the student may be permitted to reappear for the same course. In such cases, the Continuous Assessment (CA) marks obtained during the first attempt shall be retained and considered valid for all subsequent attempts until the student secures a pass. However, from the third attempt onwards, if the student fails to satisfy the

minimum pass requirements (CA + End Semester Examination) as specified in Clause 6.4.1, the student shall be declared to have passed the course if he/she secures a minimum of **50% marks in the End Semester Examination alone**. In such cases, the student shall be awarded the **lowest passing grade, 'C'**.

If a student opts for another Professional Elective or Open Elective course in place of a previously registered course, the earlier registration shall stand cancelled and the new course shall be treated as a fresh registration. The student shall be required to register for the new course, attend classes, earn Continuous Assessment (CA) marks, satisfy the attendance requirements as specified in Clause 4.3, and appear for the End Semester Examination (ESE).

- (iv) If a student submits the project report but is absent for the Viva-Voce examination, it shall be considered as **FAIL**. If the student fails in the subsequent Viva-Voce examination also, he/she shall register for the course again in the following semester and may undertake **Project Work–I and Project Work–II concurrently**.
- (v) A student may apply for revaluation of the End Semester Examination answer script in a theory course, in accordance with the guidelines of the Controller of Examinations (CoE), by submitting the prescribed application along with the required fee through the Head of the Institution. The CoE shall arrange for the revaluation, and the revised results, if any, shall be communicated to the student through the Head of the Institution. Revaluation shall not be permitted for Laboratory courses, project based courses, integrated courses and Career Guidance courses.

## **6.5. Award of Letter Grades**

**6.5.1.** The grades and their corresponding grade points are presented in Table 6.13. A student is deemed to have passed and earned the corresponding credits in a course if he/she secures any one of the following grades: “O”, “A+”, “A”, “B+”, “B”, or “C”. The grade “SA” indicates shortage of attendance, as per Clause 4.3, and denotes that the student is not permitted to appear for the End Semester Examination; this grade will appear only in the result sheet. The grade “U” signifies that the student has failed in the course, while “WD” denotes withdrawal from the examination for that particular course. Both “U” and “WD” will be reflected in the Grade Sheet as well as the Result Sheet, and in both cases, the student is required to reappear for the End Semester Examination as per the regulation.

**Table 6.13 Grading of Courses**

<b>Grade</b>	<b>Description</b>	<b>Grade Points</b>
<b>S</b>	<b>Outstanding</b> performance with respect to course learning objectives; exhibits original and creative thinking, and demonstrates the ability to analyze critically and synthesize information	10
<b>A+</b>	<b>Excellent</b> performance with respect to course learning objectives and creative thinking	9
<b>A</b>	<b>Very Good</b> achievement with respect to course learning objectives	8
<b>B+</b>	<b>Good</b> achievement with respect to course learning objectives	7
<b>B</b>	<b>Above Average</b> achievement with respect to course learning objectives	6.5
<b>C+</b>	<b>Average</b> achievement with respect to course learning objectives	6
<b>C</b>	<b>Satisfactory</b> achievement	5
<b>U</b>	<b>Re-appearance</b>	0
<b>SA</b>	<b>Shortage of Attendance</b>	0
<b>WC</b>	<b>Withdrawal of Course</b>	0

If a student is awarded a “U” grade in theory or laboratory courses, fulfilling the attendance requirement is not necessary; however, the student must appear for the End Semester Examination and satisfy the norms specified in Clause 6.2.18 to pass the course. In the case of EEC courses (excluding Project Work), which are assessed solely through internal evaluation, a student receiving a “U” grade must re-register for the course in a subsequent semester and fulfill the requirements of Clause 6.2.18 to pass. Attendance requirements, however, need not be satisfied in such cases.

For co-curricular activities such as National Cadet Corps (NCC), National Service Scheme (NSS), National Sports Organization (NSO), Youth Red Cross (YRC), Science Club, Literary Club, and Fine Arts Club, a “Completed” remark shall be recorded in the Grade Sheet upon successful completion. Every student is required to maintain a minimum of 75% attendance in training and must compulsorily participate in the prescribed camps or club events. These activities shall normally be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to fulfill this requirement in subsequent years.

**Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.**

The grades “O”, “A+”, “A”, “B+”, “B”, and “C” obtained in one or two credit courses that are not part of the curriculum shall be indicated in the Grade Sheet under the title “Value Added Courses/Internship/Industrial Training.” Courses for which the grades “RA” or “SA” are awarded shall not be reflected in the Grade Sheet.

For students who successfully complete a Mandatory Course by satisfying the prescribed attendance requirements, the title of the course shall be indicated in the Grade Sheet.

- 6.5.2.** An absolute grading system shall be followed for all categories of courses, and the range of marks corresponding to each grade is presented in Table 6.14.

**Table 6.14 Range of Marks for Grades**

S	A+	A	B+	B	C+	C	U
91 - 100	81 - 90	71 - 80	66 - 70	61 - 65	56 - 60	50 - 55	<50

For courses categorized under OC, SL, and VA, the absolute grading system shall be followed as specified in Table 6.14. However, for NPTEL/SWAYAM courses, the corresponding range of marks for each grade shall be as presented in Table 6.15.

**Table 6.15 Range of Marks for grading of NPTEL courses**

S	A+	A	B+	B	C+	C	U
91 - 100	81 - 90	71 - 80	61 - 70	51 - 60	46 - 50	40 - 45	<40

- 6.5.3. Calculation of Grade Point Average (GPA) / Cumulative Grade Point Average (CGPA)**

- (i) Two parameters, namely Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA), shall be used to evaluate the academic performance of the student.
- (ii) The Grade Point Average (GPA) is the weighted average of the grade points obtained in all the courses registered by a student during a semester. For instance, if a student completes five courses (Theory, Theory cum Laboratory, Laboratory, Project, Seminar, etc.) in a semester with credits  $C_1$ ,  $C_2$ ,  $C_3$ ,  $C_4$ , and  $C_5$ , and secures grade points  $g_1$ ,  $g_2$ ,  $g_3$ ,  $g_4$ , and  $g_5$  respectively, then the GPA is calculated as the sum of the product of credits and corresponding grade points divided by the total credits.

$$GPA = \frac{(C_1 \times g_1) + (C_2 \times g_2) + (C_3 \times g_3) + (C_4 \times g_4) + (C_5 \times g_5)}{(C_1 + C_2 + C_3 + C_4 + C_5)}$$

- (iii) At the end of each semester, a semester-wise Grade Sheet shall be issued to the student. This Grade Sheet provides a consolidated record of all the courses registered during that semester, along with the grades obtained and the corresponding GPA calculated for that semester.
- (iv) The Cumulative Grade Point Average (CGPA) represents the overall academic performance of a student and is computed up to two decimal places in the same manner as the GPA, considering all courses registered up to and including the latest completed semester. Grades obtained from additional courses that are not part of

the minimum requirements for the award of the degree shall not be included in the CGPA calculation. However, the results of such courses will be reflected in the Grade Sheet.

- (v) For students who have successfully completed the requirements for the Honours Degree, the grades obtained in the additional courses and the Capstone Design Project shall be considered for the computation of CGPA.
- (vi) For students who have successfully completed the requirements for a Minor Degree, the grades obtained in the additional courses shall be considered for the computation of CGPA.
- (vii) If a student is absent for the End Semester Examination(s), Viva Voce Examination(s), or for assessments in courses evaluated solely through continuous assessment, such absence shall be treated as an appearance for the purpose of degree classification.
- (viii) If a student opts to drop a Professional Elective (PE) course as per Clause 4.1.6, such registration shall be treated as an appearance for the purpose of degree classification.
- (ix) Upon successful completion of all courses required for the award of the degree, as prescribed in the curriculum, a consolidated Grade Sheet shall be prepared and issued to the students by the Controller of Examinations.
- (x) The percentage of marks shall be computed from the CGPA earned and printed in the consolidated Grade Sheet using the formula mentioned below.

$$\% \text{ of Marks} = CGPA \times 10$$

## **7. STUDENT PROGRESSION AND FLEXIBILITY**

### **7.1. Award of Degree**

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

- (i) Successfully earned the required total number of credits as specified in the curriculum for the student's programme within the stipulated period.
- (ii) Successfully completed all course requirements, appeared for the End Semester Examinations, and passed all courses within the period prescribed in Clauses 3.4.
- (iii) Successfully passed any additional courses, if applicable, upon readmission under earlier regulations.
- (iv) Successfully completed the requirements of NCC, NSS, NSO, YRC, Science Club, Literary Club, and Fine Arts Club.
- (v) No disciplinary action shall be pending against the student.

- (vi) The award of the Degree shall have been approved by the Syndicate of the University.

## **7.2. Classification of the Degree Awarded**

### **7.2.1. First Class with Distinction**

A student is deemed to have completed the requirements for the award of degree, if the student has:

- (i) Successfully completed all courses as per the respective curriculum of the discipline satisfying the minimum credit requirement and other academic requirements for the programme.
- (ii) No pending disciplinary action against him / her.

**7.2.2.** A student, who fulfils the following criteria shall be shall be declared to have successfully completed the degree programme with ‘Honours’ and classified under ‘First Class with Distinction’.

- (i) Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per Clauses 3.4 (i), 3.4 (ii), and 3.4 (iii) of this regulations.
- (ii) Should have passed all additional courses prescribed in curriculum of the respective programme, adhering to Clause 3.6 in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per Clauses 3.4 (i), 3.4 (ii), and 3.4 (iii) of this regulations.
- (iii) Should have secured a CGPA of at least 8.50.
- (iv) Should not have been prevented from appearing for any end semester examination(s), for the courses prescribed in the curriculum.

**7.2.3.** A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as ‘First class with Distinction’

- (i) Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per Clauses 3.4 (i), 3.4 (ii), and 3.4 (iii) of this regulations.
- (ii) Should have secured a CGPA of at least 8.50.
- (iii) Should not have been prevented from appearing for any end semester examination.
- (iv) Should have opted for Honours, not fulfilled the criteria for conferring Honours degree as per Clause 7.2.2 (iii) upon successful completion of additional courses under Honours vertical in the first appearance itself, but fulfilled the criteria

prescribed in Clause 7.2.3 (i), Clause 7.2.3 (ii) and Clause 7.2.3 (iii) of this regulation.

- (v) Should have opted for Minor degree and secured CGPA of 8.5 without inclusion of additional SIX courses under MINOR vertical for computation of CGPA, but successfully completed all these SIX additional courses in the first appearance itself. In addition, student should fulfil the criteria prescribed in Clause 7.2.3 (i), Clause 7.2.3 (ii) and Clause 7.2.3 (iii) of this regulation.

**7.2.4.** A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as 'First Class'.

- (i) Should have passed the examination of all the courses within the prescribed duration as per Clauses 3.4 (i), 3.4 (ii), and 3.4 (iii) of the regulations.
- (ii) Should have secured a CGPA of at least 6.50.
- (iii) Should not have been prevented from appearing for end semester examination.

**7.2.5.** A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as 'Second Class'.

- (A) (i) Should have passed the examination of all the courses within the prescribed duration as per Clauses 3.4 (i), 3.4 (ii), and 3.4 (iii) of the regulations.
- (ii) Has secured a CGPA below 6.50.

(OR)

- (B) Should have passed the examination of all the courses within the prescribed duration as per Clauses 3.4 (iv) and 3.4 (v) of the regulations.

**7.2.6.** A student who fulfils the criteria as prescribed in 'Minor Degree' as per Clause 3.6 (ii) shall be declared to have successfully completed the degree programme with 'Minor' and shall be classified appropriately as per Clause 7.2.3 or Clause 7.2.4 or Clause 7.2.5.

### **7.3. Provision for Withdrawal from End-Semester Examination**

**7.3.1.** A student may, for valid reasons such as medical issues, unforeseen family circumstances, or participation in sports approved by the Chairman, Sports Board and the Head of the Department, be permitted to withdraw from appearing for the End Semester Examination in any course or courses in any one semester during the entire duration of the degree programme. The application for withdrawal shall be submitted to the Controller of Examinations through the Head of the Institution along with the necessary supporting documents.

- 7.3.2.** The application shall be considered valid only if the student is otherwise eligible to appear for the examination as per Clause 4.3 and if it is submitted within ten days from the date of the examination(s), duly recommended by the Head of the Institution and approved by the Controller of Examinations. The student must have registered for the course, satisfied the attendance requirements, and earned the required continuous assessment marks. However, in extraordinary circumstances, applications submitted beyond the stipulated period may be considered on merit.
- 7.3.3.** In the case of approved withdrawal, the course(s) shall appear in both the Grade Sheet and the Result Sheet; however, such withdrawal shall not be treated as an appearance for the purpose of eligibility for First Class with Distinction.
- 7.3.4.** A student who withdraws must re-register for the course(s) in a subsequent semester and appear for the End Semester Examination.
- 7.3.5.** In the case of Project Work Phase I & Project Work Phase II, withdrawal is permitted only after submission of the project report within the deadline, and the student may appear for the viva voce within 60 days of the declaration of results, which shall not be considered a reappearance.
- 7.3.6.** Withdrawal is also permitted for final semester examinations as per Clause 7.2.1.

#### **7.4. Provision for Authorized Break of Study**

- 7.4.1.** Students shall be permitted to avail one 'Break of Study' for a maximum period of one year (two consecutive semesters) during the entire four-year programme, only for bona fide reasons such as hospitalization, accident, or specific illness. However, students who have completed up to the 7th semester may be granted a Break of Study for a period of six months (one semester) for the same valid reasons. The student must apply for the Break of Study to the respective Head of the Department through letter, which shall be forwarded to the Head of the Institution for further processing. Under no circumstances shall retrospective requests for Break of Study be entertained, and such requests will not be accepted after the generation of the 'Prevention List'. The total duration of the programme, as specified in Clause 3.4, shall include the approved period of Break of Study.
- 7.4.2.** Students who are granted a 'Break of Study' shall be permitted to appear for the End Semester Arrear Examinations for any backlog courses during the Break of Study period.
- 7.4.3.** If a student fails to report to the Institution for the entire duration of a semester without submitting a prior written request (hard copy or email to the official ID of the respective Head of the Institution) for a 'Break of Study', the Head of the Institution shall issue an intimation regarding the unauthorized absence to the student, parent, or guardian through email or registered post. In consideration of student welfare and principles of natural justice, the Head of the Institution shall notify the student, parent, or guardian at least

three times at periodic intervals during the semester regarding the unauthorized absence. If the student still fails to report after three such intimations, the Head of the Institution shall forward the list of such students to the Director, Centre for Academic Courses. Upon verification of all relevant records, the University may cancel the admission of such students, and the decision shall be communicated to the competent state authority responsible for student admissions.

## **8.POLICY REVIEW AND ACADEMIC DEVELOPMENT**

### **8.1. Revision of Regulations**

The College may, from time to time, revise, amend, or modify the regulations, if deemed necessary, with the approval of the respective Board of Studies and the Academic Council of the College.

### **8.2. Curriculum and Syllabi Updates**

The scheme of examinations and syllabi may also be revised, amended, or modified as required, subject to the approval of the respective Board of Studies and the Academic Council.