

KINGSTON
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

Approved by AICTE & COA, New Delhi, Affiliated to Anna University, Chennai,
Accredited with 'A' Grade by NAAC.



KINGSTON ENGINEERING COLLEGE
B.E / B.TECH
REGULATION 2026
(2026 - 27)



**APPLICABLE TO STUDENTS ADMITTED
AY 2026 - 27**



Chittoor Main Road,
Vellore - 632059



0416-2298300



www.kingston.ac.in



ACADEMIC REGULATIONS 2026 (R-2026)

B.E/B.Tech PROGRAMMES

*Applicable to the students admitted in B.E. / B.Tech.
Programmes, from the Academic year 2026 – 2027
onwards*

CONTENTS

Clause	Contents	Page No.
1	PRELIMINARY & DEFINITIONS	1
1.1	PREAMBLE	1
1.2	SHORT TITLE	1
1.3	COMMENCEMENT	1
1.4	STATUTORY COMPLIANCE	1
1.5	OBJECTIVES	1
1.6	DEFINITIONS	1
1.7	INTERPRETATION	2
1.8	POWER TO AMEND	3
1.9	REMOVAL OF DIFFICULTIES	3
2	ADMISSION ELIGIBILITY	4
2.1	ADMISSION CATEGORY	4
2.2	MULTIPLE ENTRY / EXIT	4
2.3	TRANSFERRED CANDIDATES' ADMISSION FORM OTHER INSTITUTIONS (AUTONOMOUS/ANNA UNIVERSITY AFFILIATED COLLEGES)	4
3	UG PROGRAMMES OFFERED	5
4	PROGRAMMES STRUCTURE, CURRICULUM AND CREDITS	5
4.1	COURSE CATEGORY	5
4.2	PROGRAMME DURATION	6
4.3	UG CURRICULUM STRUCUTURE	6
4.4	CREDITS	7
4.4.1	CREDIT MAPPING AND DISTRIBUTION	7
4.5	NUMBER OF COURSES PER SEMESTER	8
4.6	VALUE BASED ENRICHMENT PROGRAMMES	8
4.7	MANDATORY THREE-WEEK INDUCTION PROGRAMME	8
4.8	INDUSTRIAL VISIT	8
4.9	SUMMER INTERNSHIP / INPLANT TRAINING	9
4.10	PROJECT WORK / INDUSTRIAL PROJECT / INTERNSHIP	9
4.11	OFF CAMPUS COURSES AND CREDIT TRANSFER	9
4.12	MEDIUM OF INSTRUCTION	10
5	AWARD OF DEGREE	10
5.1	B. E / B. TECH DEGREE WITH HONORS / MINOR DEGREE	10
5.2	B. E / B. TECH DEGREE WITH HONORS	11
5.3	GUIDELINES FOR CAPSTONE DESIGN PROJECT (CDP)	11
5.4	B. E / B. TECH WITH MINOR DEGREE	12

6	ACADEMIC CALENDAR	13
7	STUDENT ADVISORY AND WELFARE SUPPORT	13
7.1	CLASS ADVISOR	13
7.2	GRIEVANCE REDRESSAL COMMITTEE	13
7.3	GUIDANCE AND COUNSELLING CELL	13
7.4	PREVENTION OF SEXUAL HARASSMENT (POSH) CELL / INTERNAL COMPLIANCE COMMITTEE (IIC)	14
7.5	SC / ST CELL	14
7.6	ANTI RAGGING COMMITTEE	14
7.7	INSTITUTE ACADEMIC MANAGEMENT COMMITTEE	15
7.8	CLASS COMMITTEE	15
7.9	ACADEMIC COURSE COMMITTEE	16
8	CLASS TIMINGS	16
9	REGISTRATION OF COURSES	16
9.1	ADVANCEMENT OF COURSES	17
9.2	VALUE ADDED COURSES	17
9.3	VERTICALS	17
10	ATTENDANCE GUIDELINES	18
10.1	ATTENDANCE REQUIREMENT	18
10.2	ATTENDANCE FOR MEDICAL TREATMENT	18
10.3	ELIGIBILITY FOR END SEMESTER EXAMINATION	18
10.4	ON DUTY ATTENDANCE	18
10.5	PUBLICATION OF ATTENDANCE STATUS	18
10.6	INTERNSHIP AND PROJECT VIVA VOCE	19
10.7	ATTENDANCE RECORD	19
11	BREAK OF STUDY	19
12	UNAUTHORIZED ABSENCE	19
13	DISCIPLINARY PROCEEDING	20
14	ASSESSMENT EVALUATION	20
15	PROCEDURE FOR AWARDED MARKS	21
15.1	THEORY COURSES	21
15.2	LABORATORY COURSES	21
15.3	LABORATORY INTEGRATED THEORY COURSES (LIT)	22
15.4	PROJECT WORK	22
15.5	INTERNSHIP CUM PROJECT WORK	23
15.6	OTHER EMPLOYABILITY ENRICHMENT COURSES	23
15.7	AUDIT / MANDATORY COURSES	25
15.8	NOTIFICATION OF INTERNAL ASSESSMENT MARK	25

16	ACADEMIC AUDIT	26
17	ELIGIBILITY FOR END SEMESTER EXAMINATION	26
18	PASSING REQUIREMENT	26
19	REAPPEARANCE / SUPPLEMENTARY EXAMINATION	26
20	PUBLICATIONS OF RESULTS, REVALUATION & REVIEW	27
21	ABSOLUTE GRADING	27
22	GRADE SHEET, GPA AND CGPA	28
23	ELIGIBILITY FOR THE AWARD OF DEGREE	28
23.1	AWARD OF DEGREE	28
23.1.1	FIRST CLASS WITH DISTINCTION – B. E/B. TECH (HONORS/MINOR)	29
23.1.2	FIRST CLASS WITH DISTINCTION	29
23.1.3	FIRST CLASS	29
23.1.4	SECOND CLASS	30
24	WITHDRAWAL FROM END SEMESTER EXAMINATION	30
25	REVISIONS OF REGULATIONS, CURRICULUM AND SYLLABI	31

1 PRELIMINARY & DEFINITIONS

1.1 PREAMBLE

Kingston Engineering College, established under the Duraimurugan Educational Trust, has been conferred Autonomous Status by the University Grants Commission (UGC) under the provisions of the UGC (Conferment of Autonomous Status upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, as amended from time to time.

The autonomous status enables the Institution to design and implement curricula, adopt innovative teaching-learning practices, introduce flexible academic systems, conduct examinations, and award degrees through the affiliating University in accordance with the applicable regulations of UGC, AICTE, the Affiliating University, the Government of Tamil Nadu, and other statutory bodies.

These Regulations govern all Undergraduate Programmes offered by the Institution from the academic year 2026–2027 onwards and shall be applicable to students admitted under Regulation R-2026 unless otherwise specified.

1.2 SHORT TITLE

These Regulations shall be known as **Kingston Engineering College (Autonomous) Regulations R-2026 for Undergraduate Programmes.**

1.3 COMMENCEMENT

These Regulations shall come into force from the Academic Year **2026–2027** and shall apply to all students admitted to the First Year and Lateral Entry Undergraduate Programmes from that academic year onwards.

1.4 STATUTORY COMPLIANCE

These Regulations are framed in accordance with the guidelines and regulations issued by the following statutory authorities, as amended from time to time:

- University Grants Commission (UGC)
- All India Council for Technical Education (AICTE)
- Affiliating University
- Government of Tamil Nadu
- National Board of Accreditation (NBA)
- National Assessment and Accreditation Council (NAAC)

In case of any conflict, the provisions issued by the respective statutory authority shall prevail.

1.5 OBJECTIVES

The objectives of these Regulations are to:

1. Promote Outcome-Based Education.
2. Enhance academic flexibility.
3. Facilitate multidisciplinary learning.
4. Encourage innovation and research.
5. Strengthen industry-academia collaboration.
6. Improve employability and entrepreneurship.
7. Enable global academic standards.
8. Support lifelong learning.

1.6 DEFINITIONS

For the purpose of these Regulations, unless the context otherwise requires:

DEFINITION	DESCRIPTION
Programme	B.E / B.Tech. Degree
Discipline	Branch of B.E./B.Tech. Degree
University	Anna University, Chennai
Institution	Kingston Engineering College (Autonomous)
Head of the Institution	Principal
BoS Chairman	Head of the Department
HOD	Head of the Department
Controller of Examinations	Authority related to all exam related activities
Bonafide Student	Admitted and Enrolled to any one discipline in UG Programme
CBCS	Choice-Based Credit System (student centric flexible learning framework)
Semester	80 working days, 7 contact hours per day for Odd (July to December) / Even (January to June)
Course	Theory, Laboratory Integrated Theory, and Laboratory Courses
Other Courses	Mandatory Course, Audit Course and Employability Enhancement Courses
Credit (C)	Weight assigned to a course based on the number of contact hours (denotes L-Lecture, T-Tutorial, P-Practical / Project Work as applicable) required to cover the syllabus
Continuous Assessment	Evaluation conducted throughout the semester using tests, assignments, quizzes, laboratory, project work, presentations, and other academic activities to monitor students' progress.
End Semester Examination	The final examination conducted at the end of the semester to assess the overall understanding and achievement of the course outcomes.
Department Academic Committee	A committee within the department that plans, monitors, and reviews academic activities such as curriculum implementation, teaching-learning processes, assessments, and student performance.
Academic Council	The highest academic body of the institution responsible for approving academic regulations, curriculum, syllabi, examination policies, and other academic matters.
Outcome-Based Education	An education system that focuses on what students are expected to know, understand, and be able to do after completing a course or programme.

1.7 INTERPRETATION

Any question regarding the interpretation of these Regulations shall be referred to the Academic Council. The decision of the Academic Council shall be final, subject to the approval of the Governing Body wherever applicable.

1.8 POWER TO AMEND

The Academic Council may recommend amendments, additions, deletions, or modifications to these Regulations in accordance with the provisions of the applicable statutory authorities. Such amendments shall become effective upon approval by the Governing Body and, wherever required, the Affiliating University or other competent authority.

1.9 REMOVAL OF DIFFICULTIES

Where any difficulty arises in the implementation of these Regulations, the Principal may issue appropriate orders or guidelines, consistent with these Regulations, for smooth implementation. Such orders shall be placed before the Academic Council for revision.

NOTE:

Unless otherwise specified, all academic matters pertaining to admission, curriculum, registration, attendance, examinations, assessment, credit transfer, internships, honours, minors, value-added courses, and award of degrees shall be governed by the relevant provisions of these Regulations. Any reference to a particular clause shall be construed to include all subsequent amendments, modifications, or revisions duly approved by the Academic Council.

2 ADMISSION ELIGIBILITY

2.1 ADMISSION CATEGORY

The admission eligibility and category of the candidates is given in Table 2.1 below.

Table 2.1 Admission Category

S. NO	CATEGORY	ELIGIBILITY
1	First Semester	Pass in HSC (10 + 2) under the academic stream prescribed by the government of Tamil Nadu and criteria prescribed by the AICTE, UGC, Anna University and DoTE (Directorate of Technical Education) from time to time. (or) Pass in HSC under Vocational Stream as prescribed by government of Tamil Nadu.
2	Lateral Entry (Third Semester)	Diploma in Engineering/Technology awarded by the State Board of Technical Education and as prescribed by the AICTE, UGC, Anna University and DoTE (Directorate of Technical Education) from time to time. (or) Bachelor of Science (B.Sc.) degree (10+2+3 pattern) with Mathematics as one of the subjects at the B.Sc level and shall be governed by the norms as prescribed by the government of Tamil Nadu and DoTE (Directorate of Technical Education) from time to time.

2.2 MULTIPLE ENTRY / EXIT

This Clause is applicable as per the notification of the affiliating university.

2.3 TRANSFERRED CANDIDATES' ADMISSION FROM OTHER INSTITUTIONS (AUTONOMOUS/ANNA UNIVERSITY AFFILIATED COLLEGES)

(i) Transfer of Students:

Students transferring from Anna University affiliated colleges or autonomous institutions shall follow the applicable guidelines and regulations issued by the Directorate of Technical Education (DOTE) and Anna University, Chennai.

(ii) Course and Credit Equivalence:

For students admitted under different regulations, the Institute Academic Management Committee (IAMC) shall evaluate the equivalence of courses and credits on a case-by-case basis. Based on its recommendations, additional or equivalent courses, if required, shall be prescribed to meet the curriculum and credit requirements of the prevailing regulation, subject to the approval of the Board of Studies (BoS) and in accordance with Anna University guidelines.

(iii) Rejoining, Readmission, and Transfer:

A student who has discontinued the programme or has been prevented from continuing due to shortage of attendance, or who is permitted to repeat a semester on personal request, shall be eligible to rejoin the programme only at the normal commencement of the respective semester along with the regular batch of students. The procedures for rejoining, readmission, and transfer of students shall be governed by the latest guidelines and regulations issued by Anna University, Chennai, and the Directorate of Technical Education (DOTE), as amended from time to time.

3. UG PROGRAMMES OFFERED

The list of UG Programmes with their respective branches approved by Anna University Chennai and All India Council for Technical Education (AICTE), New Delhi are listed as below in Table 3.1. All undergraduate programmes offered by the Institution shall be implemented under the Choice-Based Credit System (CBCS). CBCS provides a flexible academic framework that enables students to select courses in accordance with the requirements of their respective programme curriculum.

Table 3.1 List of UG Programmes

S. No	Programme	Code	Branch
1	B. E	CS	Computer Science and Engineering
2		AM	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
3		EC	Electronics and Communication Engineering
4		ME	Mechanical Engineering
5	B. Tech	AD	Artificial Intelligence and Data Science
6		CB	Computer Science and Business Systems
7		IT	Information Technology

4. PROGRAMME STRUCTURE, CURRICULUM AND CREDITS

4.1 COURSE CATEGORIES

All UG Programme will have a curriculum with syllabus consists of theory, practical, lab integrated theory, professional elective, open elective, skill development, etc., and the categorization is given in Table 4.1.

Table 4.1 Course Categories

S. No	Course Category	Code	Description
1	Humanities and Social Science	HS	Includes Tamil, English, Foreign Language, Physical Education, Universal Human Values, and Management Course
2	Basic Science	BS	Includes Mathematics, Physics, Chemistry, Environmental Science and Sustainability etc.
3	Engineering Science	ES	Includes Engineering Drawing, Basics of Electrical / Electronics/ Mechanical/ Civil/ Computer Programming, Engineering Foundation Laboratory, etc.,
4	Professional Core	PC	Includes the courses relevant to the chosen Specialization/branch.
5	Professional Elective	PE	Includes the courses which nurture the student's proficiency in the discipline.
6	Open Elective	OE	Courses chosen from other disciplines to expose interdisciplinary / multidisciplinary / transdisciplinary fields.
7	Employability Enhancement	EE	Includes Project Work, Industrial Training / Internship, Industry-Oriented Courses, Industry Certification Courses, Career Readiness, Online courses, Skill Development Courses and Value-added courses, Personality Development Courses.
8	Mandatory Courses	MC	Expose the students to induction program, basic life skill courses, survival skill courses, and liberal Arts Courses etc.,
9	Audit Courses	AC	Courses include value-based education etc.,

4.2 PROGRAMME DURATION

The duration of the programme based on admission category is represented in the table 4.2.

Table 4.2 Programme Duration

S. No.	Particulars	Regular (Clause 2.1)	Lateral Entry (Clause 2.1)
1	Programme Duration	4 Years (8 Semesters)	3 Years (6 Semesters)
2	Working Days per Semester (Odd / Even)	80 working days (540 hours)	80 working days (540 hours)
3	Programme Completion	Completion of all prescribed courses within the 4 Years	Completion of all prescribed courses within the 3 Years
4	Extension of Duration	One additional year for authorized Break of Study/Course Dropping	One additional year for authorized Break of Study/Course Dropping
5	Maximum Duration to Clear Arrears	7 Years from the date of original admission	6 Years from the date of original admission
6	Maximum Duration including Break due to Attendance Shortage	7 Years from the date of original admission	6 Years from the date of original admission

4.3 UG CURRICULUM STRUCTURE

Every programme adheres to a framework known as the "Curriculum," which outlines a semester-based credit system and specifies the allocation of credit requirements among course categories as indicated in Table 4.3.

Table 4.3: Structure of Curriculum for UG

Component	Description
Credit Range	160 – 170 credits
Maximum Credits per semester	36 credits
Curriculum Component	Humanities and Social Science Basic Science Engineering Science Professional Core Professional Elective Open Elective Employability Enhancement Mandatory Course
Audit Course	NSS/YRC/SDG/Club Activities
Optional	
Honors/Minor Degree	18 Credits (from 5 th Semester)
Additional Course	Value Added Courses, Infosys Springboard Certification, NASSCOM Certification
Off-Campus Course	As per Clause 4.11

4.4 CREDITS

4.4.1 CREDIT MAPPING AND DISTRIBUTION

The general credit assignment and requirements for the undergraduate programmes are presented in Table 4.4, Table 4.5 and Table 4.6.

Table 4.4: Credit Mapping

Course Type	Contact Hours per Week	Total no. of Contact Hours	Credits
Theory (L)	1 Lecture Hour	15	1
Tutorial (T)	1 Tutorial Hour	15	1
Practical (P)	2 Laboratory Hour (also for EE courses like Seminar / Project Work / Case study, etc.)	30	1
Employability Enhancement (EE)	2 weeks summer Industrial Training / Internship	-	1

Table 4.5: Credit Distribution for UG courses

Course Type	Credit Range	Credit Percentage (%)
HS	12 - 21	8 - 12
BS	18 - 22	12 - 13
ES	14 - 26	9 - 15
EE	22 - 27	14 - 16
PC	59 - 67	37 - 39
PE	9 - 18	6 - 11
OE	0 - 9	0 - 5
Total Credit	160-170	-

Table 4.6: Total Credits Offered UG Programmes

S. No	Name of the Programme	Total credits (4 Years for Regular students)	Total credits (3 Years for Lateral Entry students)
1	Artificial Intelligence and Data Science	162	117
2	Computer Science and Engineering	165	121
3	Artificial Intelligence and Machine Learning	165	121
4	Computer Science and Business Systems	167	122
5	Electronics and Communication Engineering	165	121
6	Information Technology	165	121
7	Mechanical Engineering	166	123

4.5 NUMBER OF COURSES PER SEMESTER

The curriculum for each semester shall ordinarily include a balanced combination of Theory Courses, Laboratory Integrated Theory, Laboratory Courses, Employability Enhancement Courses, Mandatory Courses, and Audit Courses, with the total number of courses not exceeding twelve. Each course credit is assigned as per Table 4.4.

4.6 VALUE-BASED ENRICHMENT PROGRAMMES

All students shall enroll, at the time of admission, in any one of the following Audit Courses listed in Table 4.7. Students shall undergo training for the prescribed duration as specified in the respective programme (minimum 45 hours each for Semester 1 and Semester 2 and minimum 30 hours each from Semester 3 to Semester 6).

Table 4.7: Audit Courses

Clause	Programme / Activity	Requirements for Successful Completion
(a)	National Service Scheme (NSS)	Participate in prescribed NSS activities or complete at least three approved activities and obtain an Active Participation Certificate .
(b)	National Sports Organization (NSO)	Participate in NSO activities or at least three approved sports events/activities , as approved by the Institution, and obtain an Active Participation Certificate .
(c)	Youth Red Cross (YRC)	Participate in YRC activities, maintain good conduct and discipline, and submit the required activity reports and certificates .
(d)	Sustainable Development Goals (SDG)	Participate in prescribed SDG activities and submit the required activity reports and certificates .
(e)	Club Activities (CA)	Enroll in a minimum of two approved clubs , participate in the prescribed activities, satisfy attendance and conduct requirements, and obtain an Active Participation Certificate .

4.7 MANDATORY THREE-WEEK INDUCTION PROGRAMME

In accordance with the AICTE guidelines, all newly admitted students shall undergo a **compulsory three-week Induction Programme** immediately after admission. The programme shall include activities such as physical fitness, creative arts, Universal Human Values-I, proficiency enhancement modules, alumni interaction, expert lectures, community visits, and familiarization with the respective department.

The programme shall be organized by the **Head of the Institution** to help students adapt to the academic environment and institutional culture. Its objectives are to:

- Welcome and orient newly admitted students.
- Familiarize students with campus life, academic practices, and institutional activities.
- Provide academic guidance and student support.
- Create awareness of and ensure compliance with anti-ragging regulations.

The Induction Programme aims to ensure a smooth transition of students into higher education by creating a welcoming and supportive learning environment.

4.8 INDUSTRIAL VISIT

Every student is encouraged to undertake at least one Industrial Visit in each semester, except during the VIII Semester, commencing from the first year of the programme. The Head of the Departments shall ensure that appropriate arrangements are made for the same.

4.9 SUMMER INTERNSHIP / INPLANT TRAINING

- Students may undergo Industrial Training for a continuous period, as prescribed in the curriculum, during the summer vacation.
- In lieu of Industrial Training, students may also undergo an internship in a Research Organization, University, Institution, or Industry, subject to prior approval from the DAC, for the duration specified in the curriculum during the summer vacation.

4.10 PROJECT WORK / INDUSTRIAL PROJECT / INTERNSHIP

- During the final semester, students shall undertake a semester-long project in their respective discipline to gain practical and hands-on experience.
- The project may be carried out individually or in groups of up to four students under the guidance of a faculty member. Interdisciplinary projects with students and guides from different departments may be permitted with the approval of the Department Academic Committee (DAC).
- In place of the project, students may undertake a semester-long industrial project or internship in a relevant industry or research organization, subject to DAC approval. Such work shall be submitted in the form of a report and shall be independent of any summer internship or industrial training.
- Projects resulting in a completed product may be considered for start-up activities.
- Students shall submit the Project, Internship, or Start-up Report on or before the last working day of the semester. Evaluation shall be carried out as specified in Clause 14.

4.11 OFF-CAMPUS COURSES & CREDIT TRANSFER

- Students may enroll in one off-campus course per semester (III–VII Semester) with prior approval from the Head of the Institution based on the DAC recommendation.
- Off-campus courses may be offered through physical, online, hybrid mode, or SWAYAM/NPTEL.
- Credits and grades will be awarded based on the NPTEL certificate, marks obtained in the final assessment for off-campus courses, and the prescribed credit transfer and grading regulations are given in Table 4.7 and Table 4.8.

Table 4.8 Course Duration and Credit Allocation

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

Table 4.9 NPTEL Marks-Grade Mapping

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

- Students may enroll in courses offered in physical, hybrid, or online mode by **Top 100 NIRF-ranked institutions, Top 500 QS-ranked foreign universities, or partner foreign universities under an approved MoU**, with prior approval from the Head of the Institution based on the recommendation of the Department Academic Committee (DAC).
- Students may also pursue courses offered by National/State-funded research institutions, laboratories, reputed industries, software companies, knowledge partner organizations, and approved industrial training organizations, provided the **average annual turnover of not less than ₹200 crore** during the preceding five financial years and **courses are conducted under a valid MoU with minimum 50% of the course to be conducted in offline)** and meet the prescribed eligibility requirements.
- **The course content, delivery, assessment, certification, and instructor qualifications shall conform to the academic standards** and quality requirements prescribed by the Institution. The syllabus, assessment pattern, duration, and credit allocation shall be designed by the DAC, approved by the Board of Studies (BoS), and implemented only after the approval of the Academic Council.
- **A DAC-appointed Single Point of Contact (SPOC) shall coordinate** the conduct of the course, including academic monitoring, assessment, examination, and liaison with the respective institution, industry, or organization.
- Credits earned from such courses shall be transferred based on the recommendations of the DAC and the approval of the Head of the Institution, subject to the Institution's **credit transfer regulations and successful completion of the course**.
- **Approved external courses may be considered as a replacement** for an appropriate Professional Elective or Open Elective in the curriculum, wherever applicable, in accordance with the Institution's regulations and approved credit transfer policy.

4.12 MEDIUM OF INSTRUCTION

- English shall be the medium of instruction for all courses, examinations, seminars, and project/thesis/dissertation reports, except for Heritage of Tamil and Tamil and Technology, and approved foreign language courses.
- The curriculum shall integrate academic, co-curricular, and extra-curricular activities to provide holistic learning and aims to develop students as competent professionals with strong technical knowledge and social responsibility.

5 AWARD OF DEGREE

5.1 B. E / B. Tech Degree with Honours / Minor Degree

The B.E./B.Tech. (Honours) and B.E./B.Tech. (Minor) programmes shall be offered by the respective Department irrespective of the number of students enrolled and the requirements are given below in Table 5.1.

Table 5.1 Requirements for Honours / Minor Degree

Category	Details
Registration and Fees	Students opting for Honours/Minor programmes shall register separately for additional courses and pay the prescribed examination fees.
Additional Credit Requirement	To qualify for the award of Honours or Minor, a student shall earn 18 additional credits over and above the credit requirements of the regular programme.
SWAYAM-NPTEL Credit Provision	Out of the 18 additional credits, a maximum of 6 credits may be earned through SWAYAM-NPTEL online courses , subject to the approval of the respective Board of Studies (BoS) and Department Academic Committee (DAC) of the offering department.

5.2 B. E / B. Tech Degree with Honours

The B.E./B.Tech. (Honours) programmes shall be offered by the respective Department irrespective of the number of students enrolled and the requirements are given below in Table 5.2.

Table 5.2 Requirements for Honours Degree

Category	Details
Eligibility for Registration	Regular and Lateral Entry students may register for the B.E./B.Tech. (Honours) programme from Semester V onwards, provided they have secured a minimum CGPA of 7.50 up to Semester IV and have passed all courses in the first attempt.
Credit Requirement and Course Selection	Students shall complete 18 additional credits by enrolling in courses from more than one vertical of the same programme and shall pass all Honours courses in the first attempt.
Discontinuation / Course Mapping	If a student discontinues the Honours programme after completing some additional courses, the completed courses may be mapped to Professional Elective courses of the regular curriculum, wherever applicable.
Additional Credits Beyond Requirement	If a student earns more than 18 additional credits, only the 18 credits with the highest grades shall be considered for CGPA calculation. The remaining courses shall be recorded as Additional Courses in the Grade Sheet without affecting CGPA.
Failed / Detained Courses	Additional courses in which the student has failed or has been detained due to shortage of attendance shall not be reflected in the Grade Sheet and shall not be considered for CGPA calculation or degree classification.
Evaluation and Award of Honours Degree	Evaluation and passing requirements shall follow the regulations applicable to Theory, Laboratory, and Theory Integrated Laboratory courses. A student completing six Honours courses (18 additional credits) with CGPA ≥ 8.50 and no arrears shall be awarded B.E./B.Tech. (Honours). Students not satisfying the CGPA or first-attempt eligibility criteria shall not be eligible for the Honours Degree.

5.3 Guidelines for Capstone Design Project (CDP)

Capstone Design Project (CDP) is a multidisciplinary, team-based project that enables students to design, develop, and validate innovative solutions to real-world engineering problems. The Table 5.3 given below provides the guidelines and other requirements.

Table 5.3 Capstone Design Project Framework

S. No.	Aspect	Simplified Guidelines
1	Objective of CDP	CDP is a multidisciplinary team project that focuses on solving real-world engineering problems through design, development, prototyping, testing, validation, and consideration of safety, ethics, sustainability, and standards.
2	Project Duration and Team Structure	The project shall be carried out in three phases from Semester V to Semester VII . Each team shall consist of 4–6 students from 2 to 3 departments , with at least two students from each participating department .
3	Mentorship	Each team shall have a Faculty Mentor from one of the participating departments. Co-Mentors may be assigned from other departments, if required.
4	Project Evaluation Committee (PEC)	PEC shall be constituted with approval from the Head of the Institution and shall include the Faculty Mentor, one faculty member from another department, and one industry expert .
5	Innovation and Presentation	Students shall be encouraged to showcase their projects through Hackathons, Expos, Design Competitions, and Innovation Challenges .
6	Assessment Pattern	Each phase shall be assessed through Continuous Assessment (60%) and Project Report Evaluation with Viva-Voce (40%) .
7	Review and Evaluation Process	Continuous Assessment shall include three periodic reviews by PEC. End-semester Viva-Voce shall be conducted by PEC along with an External Examiner .
8	Phase Completion Criteria	Students shall secure 45% minimum in Project Report and Viva-Voce and 50% aggregate marks in Continuous Assessment and Project Evaluation to complete each phase.
9	Continuation of Project	Only students who successfully complete a phase can proceed to the next phase. Students failing to meet the requirements shall discontinue CDP and cannot continue under the Honours track.
10	Eligibility for Honours Degree	Students completing all three CDP phases, earning 18 additional credits , securing CGPA ≥ 8.50 , and having no arrears shall be eligible for B.E./B.Tech. (Honours) .
11	Recognition without Honours Award	Students completing CDP but not meeting CGPA or first-attempt requirements shall receive Grade Sheet recognition and Certificate of Appreciation ; however, the Honours Degree shall not be awarded.

5.4 B. E / B. Tech with Minor Degree

The Table 5.4 illustrates the eligibility and requirements for a student to obtain minor degree with specialization in another discipline.

Table 5.4 Requirements for Minor Degree

Aspect	Requirement
Eligibility	Regular and Lateral Entry students may register for the B.E./B.Tech. (Minor) programme from Semester V onwards, provided they have secured a minimum CGPA of 7.0 up to Semester IV.
Credit Requirement	Students shall earn 18 additional credits by completing courses from any one approved Minor vertical offered by another discipline.

Discontinuation	If a student discontinues the Minor programme, the completed courses may be mapped to Open Elective courses of the regular curriculum, wherever applicable.
Additional Credits beyond 18	If a student earns more than 18 additional credits, only the 18 credits with the highest grades shall be considered for CGPA calculation.
Recording of Extra Courses	Remaining additional courses shall be shown in the Grade Sheet as Additional Courses, but shall not be included in CGPA calculation.
Failed / Detained Courses	Additional courses in which a student fails or is detained due to shortage of attendance shall not be shown in the Grade Sheet and shall not be considered for CGPA or degree classification.

6 ACADEMIC CALENDAR

The **Academic Calendar** for each semester shall include the schedule of all academic activities, such as the commencement and completion of classes, examinations, assessment entry, Class Committee meetings, and common holidays. The Academic Calendar shall be published and made available on the **College website** before the commencement of the semester.

7 STUDENT ADVISORY AND WELFARE SUPPORT

7.1 CLASS ADVISOR

Each department shall appoint a Class Advisor to guide and support a class of students in academic and related matters. The Class Advisor shall counsel students on course registration, academic progress, and personal concerns, and monitor their overall development. The responsibilities of the Class Advisor include:

- Orient students on the Institution's academic regulations, policies, facilities, and support services.
- Advise students on course registration and curriculum requirements based on their academic performance.
- Monitor students' academic progress and provide counselling and remedial support, wherever necessary.
- Act as a liaison between students, course instructors, and the Head of the Department to address academic concerns.
- Encourage students to participate in scholarships, placements, co-curricular, and extracurricular activities.
- Coordinate with the Head of the Department and other academic bodies to support the overall academic and personal development of students.

7.2 GRIEVANCE REDRESSAL COMMITTEE (GRC)

Each Institution shall constitute a Grievance Redressal Committee (GRC) under the Chairpersonship of the Head of the Institution to address academic and non-academic grievances of students and the composition is given below.

Member	Composition
Chairperson	Principal / Head of the Institution
Faculty Members	Three senior faculty members nominated by the Principal, including one Member Secretary , one woman representative , and one representative from the SC/ST/OBC category.
Student Representative	One student nominated by the Principal based on academic merit, sports achievement, or excellence in co-curricular/extracurricular activities (Special Invitee).
Ombudsman	Faculty member appointed by the Parent University.

7.3 GUIDANCE & COUNSELLING CELL

Each faculty member shall mentor a group of 15 students and conduct regular mentoring sessions to monitor their academic progress, personal well-being, and overall development. Students may seek guidance from their faculty mentor for academic or personal concerns. Where necessary, the faculty mentor shall refer students to the Institution's Psychological Counsellor for specialized counselling and support.

7.4 PREVENTION OF SEXUAL HARASSMENT (POSH) CELL / INTERNAL COMPLIANCE COMMITTEE (ICC)

The POSH Cell / Internal Compliance Committee (ICC) shall be constituted in each Institution to ensure a safe, secure, and respectful environment for girls and women. The committee composition is given below.

Member	Composition
Presiding Officer (Chairperson)	A senior woman faculty member or woman employee of the Institution.
Faculty / Employee Members	At least two members from the teaching or non-teaching staff with commitment to women's welfare, social work, or legal knowledge.
External Member	One member from an NGO , women's organization, or a person experienced in issues related to sexual harassment.
Student Representatives	Student representatives may be nominated as Special Invitees for awareness and outreach activities but shall not be members of the Committee for grievance redressal.

7.5 SC / ST CELL

The **SC/ST Cell** shall ensure the welfare of **SC/ST students** by promoting a **discrimination-free environment**, addressing grievances, creating awareness about scholarships and government welfare schemes, and encouraging equal participation in academic, co-curricular, extracurricular, and placement activities. The Cell shall consist of **five members**, including **at least two SC/ST members** and **one-woman member**.

7.6 ANTI-RAGGING COMMITTEE

The Anti-Ragging Committee composition is given below which shall ensure a safe, secure, and ragging-free campus by implementing the AICTE/UGC Anti-Ragging Regulations, conducting awareness programmes, addressing complaints, and recommending appropriate disciplinary action.

Member	Composition
Chairperson	Head of the Institution
Faculty Members	Senior faculty members nominated by the Head of the Institution
Administrative Representatives	Representatives from the administrative staff
Non-Teaching Staff Representatives	Representatives from the non-teaching staff
Parent Representatives	Parent representatives

Member	Composition
Student Representatives	Freshers and senior students, with adequate representation of girl students
External Representatives	Representatives from the Civil Administration, Police Administration, and an NGO involved in youth welfare or anti-ragging activities

7.7 INSTITUTE ACADEMIC MANAGEMENT COMMITTEE (IAMC)

The **Institute Academic Management Committee (IAMC)** shall function under the **Chairpersonship of the Head of the Institution** to monitor academic quality and student progress and the composition is given below.

Member	Composition
Chairperson	Head of the Institution
Faculty Representatives	Heads of the Departments
Student Representatives	Two students from each year of study, including at least one girl student
Member Secretary	A Professor or Associate Professor nominated by the Head of the Institution

Meetings

- The IAMC shall meet **at least three times in an academic session**:
 -  **First Meeting:** Within **10 working days** from the commencement of the academic session.
 -  **Second Meeting:** After the **first assessment**.
 -  **Third Meeting:** At least **15 working days** before the last working day of the academic session.

Functions and Responsibilities

- Review curriculum requirements for **rejoining and readmitted students**.
- Monitor students' academic performance and recommend measures to improve learning outcomes.
- Identify students requiring **remedial coaching, mentoring, or counselling**.
- Address academic issues related to classrooms, laboratories, and other learning environments.
- Maintain the **minutes and records** of all IAMC meetings.
- Communicate the Committee's recommendations to the concerned stakeholders for implementation.
- Promote **academic excellence, transparency, fairness, and academic integrity**.
- Recommend academic matters requiring approval of the **competent authority** through the Head of the Institution.

7.8 CLASS COMMITTEE

Every class shall have a Class Committee consisting of the faculty members handling the courses, student representatives, and a Chairperson (Head of another Department nominated by the Head of the Institution). The Committee composition is given below and shall function as a Quality Circle to improve the teaching-learning process.

Member	Composition
Chairperson	Head of another Department nominated by the Head of the Institution
Faculty Members	Faculty members handling the courses of the class

Member	Composition
Student Representatives	At least six students , preferably one male and one female each from Day Scholar, Hosteller, and Lateral Entry categories
Special Invitee	The Head of the Institution may attend any meeting.

Functions and Responsibilities

- Address academic and laboratory-related issues raised by students.
- Explain programme regulations, attendance requirements, assessment methods, and evaluation criteria.
- Communicate the academic schedule, syllabus coverage, and assessment details.
- Review students' academic performance and recommend measures to improve learning outcomes.
- Promote effective interaction between students and faculty to enhance the teaching-learning process.

Meetings

- The Class Committee shall be constituted **within the first week of each semester**.
- **First Meeting:** Within **7 working days** from the commencement of the semester to explain course structure, assessments, and evaluation.
- **Subsequent Meetings:** At least **two meetings** shall be conducted during the semester to review academic progress and address student feedback.
- Student representatives shall collect and present suggestions and concerns from their classmates.

Minutes of the Meeting

- The **Chairperson** shall prepare and submit the minutes to the **Head of the Institution** within **two working days** and circulate them to the concerned faculty members and students.
- Recommendations requiring administrative action shall be forwarded to the appropriate authority.
- Student representatives shall communicate the decisions and follow-up actions of the Committee to their classmates.

7.9 ACADEMIC COURSE COMMITTEE

An Academic Course Committee (ACC) shall be constituted for every theory course handled by more than one faculty member. The Committee shall consist of all faculty members teaching the course, with one faculty member nominated by the Head of the Institution as the Course Coordinator.

Functions and Responsibilities

- Finalize the course delivery plan, including the lesson plan, course materials, textbooks, reference books, and other learning resources to ensure uniform teaching across all sections.
- Meet at least two to three times during the semester to review course progress and recommend improvements, if required.
- Ensure uniform conduct and evaluation of Continuous Assessments (CA) by adopting a common evaluation scheme and, wherever feasible, preparing a common question paper.

Meetings

- **First Meeting:** At least 15 days before the commencement of the semester to finalize the course delivery plan.
- **Subsequent Meetings:** Two to three meetings during the semester to monitor course delivery and academic progress.

8 CLASS TIMINGS

Regular classes shall normally be conducted from Monday to Saturday between 9:00 AM and 4:30 PM, with appropriate breaks. Additional classes, examinations, or academic activities may be scheduled with the prior approval of the Head of the Institution.

9 REGISTRATIONS OF COURSES

- All students shall register for the prescribed courses of the first semester at the time of admission and for subsequent semesters within seven working days from the commencement of the semester through the online registration system.
- Students are responsible for completing course registration within the prescribed schedule and shall not register for courses already successfully completed.
- The maximum registration limit is 36 credits per semester, including courses due to shortage of attendance, Honours, and Minor courses. Credits earned through approved online courses shall be in addition to this limit.
- Students may add or drop only Honours and Minor courses within 10 working days from the commencement of the semester and complete the registration process with the approval of the Head of the Department within 20 working days. No changes shall be permitted thereafter.
- Internship, Project Work, Industry-Oriented Courses, and Industry Certification Courses are mandatory and shall not be dropped.
- Students who do not successfully complete a Professional Elective (PE) course may register for an alternate PE course in a subsequent semester. PE courses shall be chosen from the prescribed Verticals, and students may select courses from one or more verticals, subject to a minimum enrolment of 25% of the class strength for the course to be offered.
- With the prior approval of the Head of the Institution, students may register for additional PC/PE courses beyond the curriculum. The earned credits shall be recorded in the Grade Sheet but shall not be considered for CGPA calculation.

9.1 ADVANCEMENT OF COURSES

A student may be permitted to register for the Seventh Semester courses during the Fifth and Sixth Semesters, provided the student has no current arrears and has secured a minimum CGPA of 7.50 at the end of the Fourth Semester. The proposal shall be recommended by the Head of the Department, approved by the Head of the Institution, and submitted to the Controller of Examinations within one week from the commencement of the Fifth Semester. The maximum credit limit prescribed for each semester, as specified in Table 4.2, shall be applicable.

9.2 VALUE-ADDED COURSES (VA)

- Students may optionally register for Value-Added (VA) Courses offered by their own or other departments with the approval of the Head of the Institution. The credits earned shall be reflected in the Grade Sheet but shall not be considered for CGPA calculation.
- The syllabus, timetable, and faculty for Value-Added Courses shall be recommended by the Department Academic Committee (DAC) before the courses are offered.

9.3 VERTICALS

- Professional Elective (PE) courses are organized into verticals (specialization groups). Students may choose electives from a single vertical or from multiple verticals, subject to the curriculum requirements.
- A student shall not register for more than one elective from the same row of the curriculum in a semester, including while pursuing Honours or Minor programmes. However, students may choose multiple electives from the same vertical, provided they are from different rows.

- A student may register for another elective from the same row in a subsequent semester only after successfully completing the previously registered course from that row.
- A PE or Open Elective (OE) course shall normally be offered only if at least 25% of the students enroll. This minimum enrolment requirement shall not apply to Honours and Minor students.

10 ATTENDANCE GUIDELINES

10.1 ATTENDANCE REQUIREMENT

- Students shall attend all classes regularly. Attendance shall be calculated course-wise from the commencement of the semester to the last working day using the following formula:

$$\text{Attendance (\%)} = \frac{\text{Actual No. of Classes Attended}}{\text{Total No. of Classes Conducted}} \times 100$$

- Attendance Marks shall be awarded for each course and included in the Continuous Assessment (CA) as shown below.

Attendance (%)	80-84	85-88	89-92	93-96	97-100
Marks	1	2	3	4	5

- Every student shall secure a minimum overall attendance of 80% in the registered courses of a semester. The overall attendance shall be calculated as:

$$\text{Overall Attendance (\%)} = \frac{\text{Actual No. of Periods Attended in all registered courses (AAP)}}{\text{Total No. of Periods Conducted (TPC) in all registered courses}} \times 100$$

10.2 ATTENDANCE FOR MEDICAL REASONS

- Students unable to attend classes due to medical reasons shall submit a valid Medical Certificate to the Head of the Institution within four days of rejoining.
- Students with 70% to less than 80% attendance may be considered for attendance condonation based on the approved Medical Certificate.
- In such cases, the attendance shall be calculated by excluding the approved Medical Emergency Period (MEP):

$$\text{Overall Attendance (\%)} = \frac{\text{AAP}}{\text{TPC} - \text{MEP}} \times 100$$

- Medical Certificates submitted after the prescribed time shall not be accepted, and attendance shall be calculated as per Clause 10.1.

10.3 ELIGIBILITY FOR END SEMESTER EXAMINATION

- Students shall be eligible to appear for the End Semester Examination (ESE) only if they secure a minimum overall attendance of 80%.
- Students with less than 80% attendance shall not be permitted to appear for the ESE or progress to the next semester and shall repeat the semester with the prescribed courses, including any revised courses, if applicable.

10.4 ON-DUTY ATTENDANCE

- Students may be granted On-Duty (OD) attendance with prior approval of the Head of the Institution for campus recruitment, internships, project work, seminars, co-curricular, and extracurricular activities.
- OD attendance shall normally be limited to 10% of the total working days in a semester. Students representing the Institution in University, State, National, or international sports events may be granted additional OD attendance with approval.
- The Institution may arrange additional classes, wherever necessary, to help students satisfy the attendance requirement.

10.5 PUBLICATION OF ATTENDANCE STATUS

The **Controller of Examinations** shall publish the list of students **eligible** and **not eligible** to appear for the End Semester Examinations within **three working days** from the last working day of the semester.

10.6 INTERNSHIP AND PROJECT VIVA-VOCE

- Students who have submitted the Internship/Project report within the prescribed time but are unable to attend the Viva-Voce Examination may appear for a Supplementary Viva-Voce before the same examination panel.
- The original report shall be used, and submission of a revised or improved report shall not be permitted.
- The Supplementary Viva-Voce shall be conducted within 30 working days from the date of publication of results.

10.7 ATTENDANCE RECORD

- Every Course Instructor shall maintain an **Attendance and Assessment Record** for each course, including **attendance, Continuous Assessment marks, and syllabus coverage**.
- The record shall be **verified by the Head of the Department at least three times** during the semester and authenticated with **signature and date**.
- At the end of the semester, the records shall be **verified by the Head of the Institution**, preserved by the Institution for **at least five years**, and made available for **inspection, audit, or accreditation** by authorized agencies.

11 BREAK OF STUDY

- A student may be permitted one Break of Study during the programme for a maximum of one academic year (two consecutive semesters) for genuine reasons such as prolonged illness, accident, or other serious medical conditions. Students who have completed up to Semester VII may avail a maximum of one semester Break of Study.
- Students shall submit the prescribed application with supporting documents to the Head of the Department, who shall forward it to the Head of the Institution for approval. Approved cases shall be communicated to the Controller of Examinations.
- The request shall be submitted before the commencement of the semester or immediately after the occurrence of the genuine reason. Retrospective requests or requests made after the publication of the Prevention List shall not be considered.
- The approved Break of Study period shall be counted within the maximum duration permitted for completing the programme.
- Students rejoining after an approved Break of Study or shortage of attendance shall follow the curriculum and regulations in force at the time of rejoining and submit the prescribed application through the Head of the Department at the beginning of the rejoining semester.
- Students who remain absent for two consecutive semesters without prior approval for Break of Study shall have their names removed from the rolls of the Institution and shall not be eligible for readmission.
- Students intending to undertake employment, internship, start-up, entrepreneurship, or any other full-time professional engagement during the programme shall obtain prior approval by applying for an authorized Break of Study (maximum one academic year) before commencing such engagement. Approved cases shall be communicated to the Controller of Examinations.

12 UNAUTHORIZED ABSENCE

- A student who remains absent for an entire semester without obtaining an approved Break of Study or informing the Institution in writing (hard copy or official email) shall be treated as unauthorizedly absent.
- The Head of the Institution shall notify the student and parent/guardian regarding the unauthorized absence at least three times during the semester through email or registered post.
- If the student fails to report even after these notices, the Institution shall forward the student's details to the Director, Centre for Academic Courses.
- After verification, the University may cancel the student's admission and communicate the decision to the competent State admission authority.

13 DISCIPLINARY PROCEEDINGS

- Students involved in ragging, misconduct, examination malpractice, or any other disciplinary offence shall be subject to disciplinary action as per the Institution's regulations.
- The Disciplinary Committee, constituted by the Head of the Institution, shall conduct an inquiry within seven working days of the reported incident and the role of members is given below.

Committee Member	Role
Head of the Institution	Chairperson
Head of the concerned Department	Member
Head of another Department	Member
Professor/Associate Professor from another Department	Member
Woman Professor/Associate Professor from another Department	Member
Class Advisor of the concerned student	Member

- If the Committee recommends suspension for more than one week, semester debarment, or issue of a Transfer Certificate, the case shall be referred to the Students' Grievance Redressal Committee (GRC) for further action.
- The concerned student shall be given a fair opportunity to present their case before any disciplinary action is imposed.
- Cases of examination malpractice during Continuous Assessment, End Semester, Practical Examinations, or any other assessment shall be dealt with as per the Institution's Malpractice Rules and Regulations, and the action taken shall be reported to the University.

14 ASSESSMENT EVALUATION

- Each course shall be handled by a Course Instructor, who is responsible for conducting classes and maintaining attendance and assessment records.
- Student performance shall be evaluated through Continuous Assessment (CA) and End Semester Examination (ESE), except for specified courses assessed entirely through Continuous Assessment.

The Table 14.1 illustrates the assessment weightage based on the course categories.

Table 14.1 Assessment Weightage

S. No.	Course Type	Continuous Assessment (%)	End Semester Examination (%)	Total Marks
1	Theory	40	60	100
2	Laboratory	60	40	100
3	Laboratory Integrated Theory	50	50	100
4	Project Work	60	40	100
5	Internship / Industrial Training	100	–	100

6	Other Employability Enhancement Courses (EE)	100	–	100
7	Mandatory Courses	100	–	100
8	HS (Physical Education, Foreign Language)	100	–	100

- End Semester Examinations (Theory, Laboratory, and Laboratory Integrated Theory) of three hours' duration shall normally be conducted during November–December (Odd Semester) and May–June (Even Semester).
- The Project Work Evaluation components are given below in the Table 14.2.

Table 14.2 Project Work Evaluation

Component	Evaluation
Project Report	Evaluated jointly by one Internal Examiner and one External Examiner.
Viva-Voce	Conducted individually for each student by a committee comprising the External Examiner, Project Supervisor, and Internal Examiner.
Examiner Appointment	Internal and External Examiners for Theory, Laboratory, Laboratory Integrated Theory, and Project Work shall be appointed by the Controller of Examinations.

15 PROCEDURES FOR AWARDING MARKS

Continuous Assessment (CA) shall be carried out for Theory, Laboratory, Laboratory Integrated Theory (LIT), and Project Work as per the following scheme.

15.1 THEORY COURSES

- Theory courses shall be evaluated for 100 marks, comprising 40% Continuous Assessment (CA) and 60% End Semester Examination (ESE).
- Continuous Assessment consists of two Internal Assessment Tests (IATs) and attendance & course activities (tutorials, assignments, quizzes, case studies, GATE questions, etc.) as prescribed in the syllabus.
- The average of the two Internal Assessment Tests along with the prescribed activities shall constitute the CA marks.
- A Model Examination covering all units shall be conducted for practice and shall not carry CA weightage.

Table 15.1 specifies the assessment pattern for theory courses.

Table 15.1 Weightage of Continuous Assessment for Theory courses

Assessment	Coverage	Duration	Marks	Weightage
Continuous Assessment Test – I	2 Units	3 Hours	100	35%
Continuous Assessment Test – II	3 Units	3 Hours	100	35%
Other Assessment	Attendance & Activities		100	30% (Attendance – 5%, Activities – 25%)
Model Examination	All Units	3 Hours	100	No Weightage

15.2 LABORATORY COURSES

Laboratory courses shall be evaluated through 60% Continuous Assessment and 40% End Semester Practical Examination.

The weighted distribution for laboratory courses is given in the Table 15.2. The End Semester Practical Examination (100 marks) shall normally be conducted before the theory examinations.

TABLE 15.2: Weightage of Continuous Assessment for Laboratory Courses

S. No	Assessment	Maximum CA Marks	Weightage (%)	Total Marks
1	Completion of Experiments, Submission of observation notebooks, Model Practical Examination and Evaluation of Laboratory Record	100	75%	100
2	Other Assessments (Activities prescribed in the syllabus & Attendance)	100	25%	

15.3 LABORATORY INTEGRATED THEORY (LIT) COURSES

- Laboratory Integrated Theory (LIT) courses shall have 50% Continuous Assessment and 50% End Semester Examination.
- The distribution of marks between Theory and Practical components shall be based on the L-T-P-C structure of the course.
- The weighted average of Continuous Assessment components shall be converted to 50 marks and the weightage distribution is represented in the Table 15.3.
- For courses with different L-T-P-C structures, the Theory and Practical weightage shall be proportional to the lecture and practical contact hours, while maintaining 50:50 CA and ESE weightage.

TABLE 15.3: Weightage of Continuous Assessment and End Semester Examination for Laboratory Integrated Theory Courses

L	T	P	C	Continuous Assessment Test			End Semester Examination	
				Theory	Practical	Activities	Theory	Practical
				100 Marks	100 Marks Completion of Experiments, Submission of observation notebooks, Model Practical Examination and Evaluation of Laboratory Record	100 Marks Activities prescribed in the syllabus & Attendance		
1	0	2	2	20%	20%	10%	-	50%
1	0	4	3	10%	30%	10%	-	50%
2	0	2	3	30%	10%	10%	50%	-
3	0	2	4	30%	10%	10%	50%	-
2	0	4	4	20%	20%	10%	30%	20%
3	0	4	5	30%	10%	10%	40%	10%

15.4 PROJECT WORK

- Project Work may be carried out individually or by a group of up to four students under the guidance of a faculty supervisor.
- The Project Guide shall monitor progress regularly (preferably twice a week).

- Continuous Assessment shall consist of three project reviews conducted by a committee comprising the Guide, Project Coordinator, and one Internal Subject Expert.
- The detailed weightage distribution is given in Table 15.4.

Table 15.4 Weightage for Project Work

Continuous Assessment (60%)			End-Semester Examination (40%)			
Review I	Review II	Review III	Project Report Evaluation and Viva-Voce			
			Project Report		Viva-Voce	
			Internal	Supervisor	Internal	External
10%	20%	30%	10%	10%	10%	10%

Additional Provisions

- The Project Report and Viva-Voce together constitute the End Semester Examination.
- The Viva-Voce shall be conducted by one Internal Examiner and one External Examiner appointed by the Controller of Examinations.
- For industrial projects, the Supervisor's 10% marks shall be shared equally between the Faculty Supervisor and the Industry Guide/Coordinator.

15.5 INTERNSHIP CUM PROJECT WORK

- Students selected for **Internship cum Project Work**, individually or in groups of **up to four**, shall undertake the project in the concerned industry under the guidance of **Internal and External Guides**. The **Head of the Department (HoD)** shall nominate the Internal Guide (and Co-Guide, if required) after receiving the internship offer.
- The **Internal Guide** shall be a faculty member from the student's department. An **Internal Co-Guide** from another department may be appointed, if necessary.
- The **External Guide**, nominated by the industry, shall monitor the project jointly with the Internal Guide(s), participate in review meetings, and jointly approve the **Bonafide Certificate** for Internship cum Project Work.
- Any **confidentiality or Intellectual Property Rights (IPR)** issues shall be discussed at the beginning of the internship before finalizing the project objectives.
- The industry shall provide the required **data and technical support**, and the Internal Guide(s) shall monitor the project periodically. Students shall attend **review meetings in physical mode**, while the External Guide may participate **online**.
- **Evaluation** of Internship cum Project Work shall be carried out **as per Clause 15.4**.
- If the **Project/Internship Report** is not submitted by the prescribed date, an **extension of up to 30 days** may be granted with HoD approval. Failure to submit the report within the extended period shall require the student(s) to **redo the Project Work course**.
- If the project results in a **validated product, prototype, or start-up**, it may be treated as **Project Work**. Students shall submit a **Start-up Report** containing the concept, development process, publications, patents (if any), and other outcomes. The **evaluation shall be as per Clause 15.4**.

15.6 OTHER EMPLOYABILITY ENHANCEMENT COURSES

Internship / Industrial Training

- On completion of the Internship/Industrial Training, the student shall submit the Internship/Training Certificate issued by the organization along with a brief report of the work carried out.
- The performance shall be evaluated as given in Table 15.5 based on the report and a Viva-Voce Examination conducted internally by the Department Academic Committee (DAC).

Table 15.5 Weightage for Internship / Industrial Training

Industrial Training / Internship Report	Presentation	Viva-Voce	Total Marks
50	30	20	100

Employability Enhancement Courses

- The courses shall be evaluated as given in Table 15.6 only through Continuous Assessment (CA) based on assessments, attendance, and course activities as approved by the Head of the Department and Head of the Institution.
- No End Semester Examination shall be conducted for these courses.
- The credits earned shall be reflected in the Grade Sheet but shall not be considered for CGPA calculation.

Table 15.6 Weightage for EE Courses

Internal Assessment-1	Internal Assessment-2	Attendance & Activities	Total Marks
35%	35%	30%	100

Industry Certification Courses

- Students shall be evaluated as given in Table 15.7 only through Continuous Assessment (CA) based on course progress, attendance, assignments, and certification examinations.
- Credits earned shall be reflected in the Grade Sheet but shall not be considered for CGPA calculation.
- Students who do not complete the ICC in the prescribed semester shall register for the same or an equivalent course in a subsequent semester and earn the required credits within the maximum duration of the programme.

Table 15.7 Weightage for Industry Certification Course

Attendance/Assignments/ Case Study	Certification Exam	Total Marks
40%	60%	100

Industry Oriented Courses

- Every student shall successfully complete two Industry Oriented Courses (IOCs) as prescribed in the curriculum. Students may also register for IOCs offered by other departments, subject to the prescribed prerequisites.
- The IOC syllabus shall be designed by an industry expert in consultation with the department and coordinated by a faculty member. The proposal shall include the expert profile, course title, 15-hour lesson plan, schedule, and prerequisites, and shall be recommended by the IAMC before implementation.
- IOC content shall emphasize industry practices, case studies, standards, certifications, projects, and multidisciplinary applications. The list of approved IOCs shall be published on the Institution website before the End Semester Examinations and offered in the subsequent semester.

- Classes may be conducted in physical or hybrid mode, preferably within the Institution. Practical sessions, projects, or case studies may be conducted in the industry, with a preferred batch size of 70 students.
- Student performance shall be evaluated only through Continuous Assessment, consisting of two Internal Examinations (50% each) along with quizzes, assignments, projects, descriptive tests, or MCQs. No End Semester Examination shall be conducted. Credits earned shall be reflected in the Grade Sheet but shall not be considered for CGPA.
- Students who do not complete the course in the prescribed semester shall complete either the same/equivalent course or 15 hours of Industrial Training/In-Plant Training in a subsequent semester to earn the required credit within the maximum duration of the programme.
- Student feedback shall be collected after every course and reviewed by the Head of the Department for continuous improvement of the course.

Table 15.8 provides the weightage distribution for the IOCs.

Table 15.8 Weightage for Industry Oriented Courses

Assessment & Attendance	Total Marks
100%	100

Mini Project

- Review I & II: Evaluated by a committee appointed by the Head of the Department, consisting of the Project Guide and Project Coordinator.
- Report Submission: Students shall submit a Mini Project Report at the end of the semester.
- Review III: Based on the Project Report and Viva-Voce Examination, conducted by an internal committee approved by the Controller of Examinations.
- Evaluation: The weightage for Mini Project assessment shall be as prescribed in Table 15.9.

Table 15.9 Weightage for Mini Project

Continuous Assessment (60%)			End-Semester Examination (40%)			
Review I	Review II	Review III	Project Report Evaluation and Viva-Voce			
			Project Report		Viva-Voce	
			Internal	Supervisor	Internal	External
10%	20%	30%	10%	10%	10%	10%

Value-Added Courses

- One/Two Credit Courses shall be evaluated as given in Table 15.10 only through Continuous Assessment for a total of 100 marks.
- Two Continuous Assessment tests shall be conducted by the concerned department during the semester.
- The total marks obtained shall be converted to 100 marks and rounded to the nearest whole number.
- The evaluation process shall be monitored by a committee comprising the Head of the Department, Course Instructor(s), and a senior faculty member nominated by the Head of the Institution.
- The department shall submit the student grades and marks to the Controller of Examinations at least one month before the commencement of the End Semester Examinations.

Table 15.10 Weightage for Value-Added Courses

Assessment & Attendance	Total Marks
100%	100

15.7 AUDIT / MANDATORY COURSES

- Students securing at least 80% attendance and 50% marks in Continuous Assessment shall be awarded "P" (Pass) in the Grade Sheet.
- Non-credit Audit/Mandatory Courses shall be shown in the Grade Sheet but shall not be considered for CGPA. However, credit-based Mandatory Courses shall be included in CGPA computation.
- Students who do not complete a Mandatory Course in the prescribed semester shall re-register in a subsequent semester. In such cases, attendance requirements are waived.

15.8 NOTIFICATION OF INTERNAL ASSESSMENT MARKS

The total Internal Assessment marks secured by each student in every course shall be published by the respective Head of the Department at least five working days before the commencement of the End Semester Examinations, enabling students to verify their marks.

16 ACADEMIC AUDIT

- Each department shall improve student performance through Continuous Assessments and End Semester Examinations as prescribed in the Regulations.
- The Head of the Department shall conduct an Academic Audit once every year for all courses through external expert(s) approved by the Head of the Institution.
- The audit shall verify attendance and assessment records, Continuous Assessment documents, laboratory records, internship/industrial training reports (where applicable), CO-PO attainment, course feedback, and the teaching-learning process.
- Based on the audit findings, the Head of the Department shall implement corrective measures for continuous academic improvement.
- All academic records of UG programmes shall be maintained by the department for a minimum of five years.

17 ELIGIBILITY FOR END-SEMESTER EXAMINATION

- A student shall be eligible to appear for the **End Semester Examinations** for all registered courses of the current semester, provided the **semester completion and attendance requirements** are satisfied.
- A student who has **passed a course** shall **not be permitted to reappear** for the same course to improve the grade.

18 PASSING REQUIREMENTS

A student shall be declared PASS in a course by satisfying the following requirements:

- Theory, Laboratory, Laboratory Integrated Theory, and Project Courses: Secure at least 45% in the End Semester Examination and 50% overall by combining Continuous Assessment and End Semester Examination marks.
- Mandatory Courses and Value-Added Courses: Secure a minimum of 50% as per the prescribed evaluation process.
- Courses evaluated only through Continuous Assessment (including Employability Enhancement Courses (EE): Secure a minimum of 50% in the Continuous Assessment marks.

19 REAPPEARANCE / SUPPLEMENTARY EXAMINATION

(i) Theory, Laboratory & Laboratory Integrated Theory

- Students who fail shall reappear for the End Semester Examination (ESE) in a subsequent semester.
- Continuous Assessment (CA) marks from the first attempt shall be retained until the course is passed.

- From the third attempt onwards, if the student secures 50% marks in the ESE, the course shall be declared PASS, even if the combined CA and ESE marks do not meet the normal passing requirement.

(ii) Project Work / Mini Project

- A student who submits the Project Report but is absent for the Viva-Voce shall be declared FAIL.
- Students who are absent or fail in the Viva-Voce may reappear within 45 days of result publication by paying the prescribed fee.
- If unsuccessful, the student shall re-register and complete the Project Work when it is offered again.

(iii) Industry-Oriented Courses

- A re-examination shall be conducted within 15 days of result publication.
- Students who fail the re-examination shall re-register for the same or another approved Industry Oriented Course in a subsequent semester.

(iv) Mandatory & Employability Enhancement Courses

- Students who fail shall attend special coaching sessions arranged by the Institution. If they still do not pass, they shall re-register when the course is offered again.
- For courses assessed only through Continuous Assessment (including EEC, excluding Project Work), the minimum passing requirement is 50% of the Continuous Assessment marks.

20 PUBLICATIONS OF RESULTS, REVALUATION & REVIEW

- **End Semester Examination results** shall be published within 20 working days from the completion of examinations.
- Students may **apply for a photocopy** of Theory and Laboratory Integrated Theory answer scripts within one week of result publication by submitting the prescribed application and fee through the Head of the Institution to the Controller of Examinations (CoE).
- **Revaluation** is not permitted for Employability Enhancement Courses, Mandatory Courses, Laboratory Courses, and Project Work.
- Revaluation results shall be published within 15 days from the last date of application.
- Students may apply for a **review** of Theory and Laboratory Integrated Theory answer scripts within one week of the revaluation results by paying the prescribed fee. The review result shall be communicated through the Head of the Institution.

21 ABSOLUTE GRADING

The performance of a student will be recorded using letter grades, each carrying certain points as shown in Table 21.1.

Table 21.1: Award of Letter Grades

Letter Grade	Grade Points*	Range of Marks
O (Outstanding)	10	91-100
A+ (Excellent)	9	81-90
A (Very Good)	8	71-80
B+ (Good)	7	61-70
B (Average)	6	56-60
C (Satisfactory)	5	50-55
RA (Re-Appearence)	0	< 50

SA (Shortage of Attendance)	0	NA
WD (Withdrawal)	0	NA

Grades and Special Status Codes

- **RA (Re-Appearence):** Student shall reappear for the End Semester Examination to complete the course. Attendance is not required for Theory, Laboratory, and Laboratory Integrated Theory courses.
- **SA (Shortage of Attendance):** Student is not eligible to appear for the End Semester Examination due to shortage of attendance. This status is displayed only in the Result Sheet.
- **WD (Withdrawal):** Indicates that the student has withdrawn from the course. The student shall appear for the End Semester Examination in a subsequent attempt.
- **Employability Enhancement Reappearance:** Students awarded RA in Employability Enhancement Courses (except Project Work) shall re-register for the course and satisfy the passing requirements. Attendance is not mandatory.
- **Mandatory/Audit Courses:** Students meeting the prescribed attendance, participation, and assessment requirements shall be awarded P (Pass); otherwise, F (Fail).
- **Value-Added Courses:** Grades O, A+, A, B+, B, and C shall be shown in the Grade Sheet. Courses with RA or SA shall not be reflected in the Grade Sheet.

22 GRADE SHEET, GPA AND CGPA

- After the declaration of results, each student shall receive a Grade Sheet containing:
 - Courses registered in the semester and the grades obtained.
 - Honours, Minor, and other additional courses (passed) under "Additional Courses".
 - Semester Grade Point Average (GPA).
 - Cumulative Grade Point Average (CGPA).
- GPA is calculated for each semester using only the curriculum courses (excluding additional and Value-Added Courses).
- CGPA is calculated using the grades of all curriculum courses completed from the first semester onwards. Additional courses are excluded, except for students who successfully complete B.E./B.Tech. (Honours) or Minor, where the prescribed additional courses are included as per the Regulations.
- Courses with RA (Reappearance) or SA (Shortage of Attendance) grades are not considered for GPA/CGPA calculation. Value-Added Course credits are also excluded.

GPA / CGPA Formula

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

Where:

- **C_i** = Credits of the course
- **GP_i** = Grade Point obtained
- **n** = Number of successfully completed curriculum courses considered for GPA/CGPA
- Students completing additional **Professional Elective/Open Elective** courses shall have their **CGPA computed as per the applicable Regulations**.
- Students eligible for **Honours/Minor** but **not wishing to receive the award** shall submit a written declaration **at least 30 days before the completion of Semester VIII**.

Conversion of CGPA to Percentage: Percentage of Marks=CGPA×10
For example, CGPA = 8.25 → Percentage = 82.5%.

23 ELIGIBILITIES FOR THE AWARD OF DEGREE

23.1 AWARD OF DEGREE

A student shall be eligible for the award of the B.E./B.Tech. Degree upon satisfying the following requirements:

- Successfully earn the minimum credits prescribed in the curriculum within the maximum period of study.
- Fulfil all programme completion requirements as specified in Clause 4.2.
- Successfully complete all Mandatory and Audit Courses, wherever applicable.
- Have no pending disciplinary proceedings at the time of degree award.
- The degree shall be awarded subject to the approval of the University Syndicate.

23.1.1. First Class with Distinction – B.E./B.Tech. (Honours/Minor)

A student shall be awarded First Class with Distinction (Honours/Minor) if he/she:

- Successfully completes the B.E./B.Tech. programme and all Honours/Minor requirements.
- Passes all regular and Honours/Minor courses in the first appearance within the prescribed duration. (*Approved withdrawal from an End Semester Examination is not treated as an appearance.*)
- Earns the prescribed additional credits and satisfies all eligibility requirements for the Honours/Minor award.
- Secures a minimum CGPA of 8.50.
- Has no shortage of attendance or disciplinary action preventing appearance in any End Semester Examination.
- Completes the programme within the prescribed duration, including the permitted authorized Break of Study, if applicable.

23.1.2 First Class with Distinction

The consolidated eligibility criteria for the award of First Class with Distinction are presented in Table 23.1.

Table 23.1: Award of First Class with Distinction

Criteria	B.E./B.Tech. (Regular)	B.E./B.Tech. (Lateral Entry)	B.E./B.Tech. (Honours)	B.E./B.Tech. with Minor
Duration of the Programme	4 Years	3 Years	4 Years (Regular) / 3 Years (Lateral Entry)	4 Years (Regular) / 3 Years (Lateral Entry)
Maximum Duration Permitted	5 Years	4 Years	5 Years (Regular) / 4 Years (Lateral Entry)	5 Years (Regular) / 4 Years (Lateral Entry)
Additional Credit Requirement	Not Applicable	Not Applicable	18 credits from a single approved Honours Vertical	18 credits from an approved Minor discipline
Minimum CGPA	8.50	8.50	8.50	8.50
Pass Requirement	First appearance in all courses	First appearance in all courses	First appearance in all regular and Honours courses	First appearance in all regular and Minor courses

Authorized Break of Study	One year (included within maximum duration)	One year (included within maximum duration)	One year (included within maximum duration)	One year (included within maximum duration)
Prevention from End-Semester Examination	Not permitted	Not permitted	Not permitted	Not permitted
Withdrawal from writing End Semester Examination	Not treated as an appearance	Not treated as an appearance	Not treated as an appearance	Not treated as an appearance

23.1.3 First Class

A student shall be declared to have passed the B.E./B.Tech. Degree in First Class if the student satisfies the following conditions as given in Table 23.2.

Table 23.2: Eligibility Criteria for the Award of First Class

Criteria	B.E./B.Tech. (Regular)	B.E./B.Tech. (Lateral Entry)	B.E./B.Tech. (Honours)	B.E./B.Tech. with Minor
Duration of the Programme	Duration of the Programme	4 Years	3 Years	4 Years (Regular) / 3 Years (Lateral Entry)
Maximum Duration Permitted	Maximum Duration Permitted	5 Years	4 Years	5 Years (Regular) / 4 Years (Lateral Entry)
Additional Credit Requirement	—	—	18 credits from more than one vertical of the same Programme	18 credits from any one vertical of the other programme
Minimum CGPA	6.50	6.50	7.50	7.50
Pass Requirement	All prescribed courses	All prescribed courses	All regular with Honours courses	All regular with Minor courses
Authorized Break of Study	One year (included within maximum duration)	One year (included within maximum duration)	One year (included within maximum duration)	One year (included within maximum duration)
Prevention from End-Semester Examination	Included in maximum duration	Included in maximum duration	Not Permitted	Included in maximum duration
Withdrawal from writing End Semester Examination	—	—	Will not be considered as an attempt	—

23.1.4 Second Class

- A student who fulfils the degree requirements but does not qualify for First Class with Distinction or First Class shall be awarded Second Class, provided the CGPA is below 6.50. This applies to Regular, Lateral Entry, and Minor students.
- For degree classification, a student who is absent after registering for an End Semester Examination or Project Work shall be treated as having appeared, except in the case of an approved withdrawal.
- A student who earns the 18 additional Honours credits but does not satisfy the eligibility requirements for the Honours Degree shall not receive the Honours award. If the student meets the requirements for the regular B.E./B.Tech. Degree, the degree shall be awarded based on the regular programme classification.

24 WITHDRAWALS FROM END-SEMESTER EXAMINATION

- A student may withdraw from the End Semester Examination once during the entire programme for genuine reasons, with prior approval of the Head of the Institution.
- In medical emergencies, post-facto approval may be granted if supported by valid documents and prior intimation from the student/parent/guardian.
- The student shall appear for the withdrawn course(s) in the next available examination. Such withdrawal will not be treated as an examination attempt for degree classification.
- If the withdrawal is in the final semester, a Supplementary End Semester Examination may be conducted within 30 working days after the publication of results, subject to approval.
- Withdrawal does not affect eligibility for First Class with Distinction, as it is not treated as an examination appearance.
- Final semester withdrawal is permitted only if the student completes the programme within the maximum permitted duration specified in the Regulations.

25 REVISIONS OF REGULATIONS, CURRICULUM AND SYLLABI

The Institution may, from time to time, revise, amend, or modify the Regulations, Curriculum, Syllabus, and Scheme of Examinations through the recommendations of the Board of Studies and Academic Council, with the approval of the Governing Body.