



KIT-Kalaignarkarunanidhi Institute of Technology

An Autonomous Institution

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai,
Accredited by NAAC with 'A' GRADE & NBA (AERO, CSE, ECE, EEE, MECH, BT & MBA)
An ISO 9001: 2015 Certified Institution, Coimbatore - 641 402.

ACADEMIC REGULATIONS – 2025

CHOICE BASED CREDIT SYSTEM (CBCS)

Common to B.E. / B.Tech. Full - Time Programmes

**Degree of Bachelor of Engineering /
Bachelor of Technology**

(Applicable for students admitted from the Academic Year 2025-26 onwards)

1. SHORT TITLE AND COMMENCEMENT

- ❖ These Regulations shall be called the “KIT-Kalaignarkaranidhi Institute of Technology, Coimbatore, (KIT) Regulations for the Award of B.E. / B.Tech., degree”.
- ❖ They have evolved, drafted and implemented after deliberations and approvals from UGC, Anna University and Academic Council of the Institution, and are subject to changes/ modifications from time to time; (major modifications at a frequency of FOUR years in synchronization with the curriculum structure revision and minor changes as and when applicable).
- ❖ The latest / first version shall be applicable for the students enrolling for B.E. / B.Tech. degree programme at this Institution from the Academic year 2025-26 and onwards.
- ❖ The regulations hereunder are subject to amendments as may be made by the Academic Council of the College from time to time. Any or all such amendments will be effective from such date and to such batches of students (including those already undergoing the programme) as may be decided by the Academic Council.

2. PREAMBLE

KIT-Kalaignarkaranidhi Institute of Technology established in 2008 by Vijayalakshmi Palanisamy Charitable Trust, strives to make a mark in the field of Engineering and Technology globally. The regulations prescribed herein have been made by KIT, an autonomous Institution, approved by AICTE, New Delhi and affiliated to Anna University, Chennai, to facilitate the smooth and orderly conduct of its academic programmes and activities at B.E./B.Tech., level. It is expected that the regulations will enable the students to take advantage of the various academic opportunities at the Institution and prepare themselves to face the challenges in their professional careers ahead. It may be noted that:

- a. The provision made herein shall be applicable to all the B.E. / B.Tech. programmes offered at the institution, at present.
- b. They shall also be applicable to all the new B.E. / B.Tech programmes which may be started in the future.
- c. Academic and non-academic requirements prescribed by the Academic Council have to be fulfilled by a student for eligibility towards award of B.E. / B.Tech. Degree.

In today's hastily evolving engineering landscape, education must transcend traditional knowledge delivery to include active learning strategies that integrate humanities, ethics, sports, holistic wellness, and engineering creativity. Regulation 2025, framed by Project Transcend, after including stakeholder aspirations, offers a

progressive, multidisciplinary framework that blends knowledge, skills, and values. Developed in compliance with NEP 2020, NIRF, AICTE, UGC, and Anna University guidelines, it provides a well-rounded foundation for learners to thrive in a dynamic global environment.

The college exercises the academic freedom given to it by the University with

- responsibility and accountability
- Use the available opportunity to demonstrate its capabilities and innovative skills, to become visible in the higher education system and,
- Gain the confidence, gratitude and respect of all its stake holders, especially students, alumni, parents and the society at large.

Hence, it becomes particularly important for the College as well as the University to be able to maintain and enhance its reputation, image and visibility in the technical education system as a whole.

3. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

1. **Programme** Denotes to B.E./B.Tech. Degree Programme.
2. **Discipline** Identifies a Branch or Specialization in B.E./B.Tech Degree Programme, viz., Mechanical Engineering, Biotechnology, etc.
3. **UG** Refers to B.E / B.Tech programmes.
4. **University** Refers to Anna University, Chennai.
5. **Institution** Refers to KIT-Kalaignarkaranidhi Institute of Technology, Coimbatore.
6. **Head of the Institution** Refers to the Principal of KIT.
7. **Director / Dean** Refers to Director/Dean of the programmes concerned
8. **Head of the Department** Refers to Head of concerned academic departments.
9. **Programme Coordinator** Refers to the coordinator of the programme concerned. He / she acts as an interface between programme and key stakeholders, students, faculty and employer. He/She is responsible for planning the academic activities of the programme along with the course coordinator(s) and the HoD. He/She also prepares, evaluates and analyses the attainment of the programme outcomes along with Programme Advisory Committee.
10. **Academic Evaluation Committee (AEC)** Refers to the committee formulated by the Institution responsible for the academic related activities.
11. **Department Evaluation Committee (DEC)** Refers to the committee formulated

by the department comprised of 2 or more faculty as appointed by the Head of the Department.

12. **Controller of Examinations (CoE)** Refers to the authority of the Institution, responsible for all activities related to Examinations.
13. **L – T – P – D – C** Refers to Lecture, Tutorial, Practical, Self-Learning and Credits respectively.
14. **CIA** Refers to Continuous Internal Assessment.
15. **ESE** Refers to End Semester Examination
16. **AAT** – refers to Alternative Assessment Tool. Some possible AAT are: seminar/ assignments/term paper/ open ended experiments/ mini-projects/ concept videos/ partial reproduction of research work/oral presentation of research work/ group activity/ developing a generic tool-box for problem solving/ report based on participation in create-a-thon/ make-a-thon/ code-a-thon/ hack-a-thon conducted by reputed organizations/ any other.
17. **Course** Refers to Theory/ Practical/ Embedded/Elective course - Mathematics, Physics, Engineering Graphics, etc
18. **Curriculum structure** Refers to the framework of a degree programme which includes the set of Courses along with minimum credit requirements earned to be eligible for a B.E./B.Tech degree (including specialization).
19. **Humanities and Social Sciences (HS)** The courses include English, Tamil and other languages, Holistic wellness, Professional Ethics and Human Values, Communication skills, Environmental Science and Engineering and other courses as per curriculum.
20. **Basic Sciences (BS)** Courses include Mathematics, Physics, Chemistry, Biology and other courses as per curriculum.
21. **Engineering Sciences (ES)** Courses include Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation, Research methodology and other courses as per curriculum.
22. **Professional Core (PC)** Refers to the core courses relevant to the chosen UG programme/specialization/branch.
23. **Professional Elective (PE)** Refers to the elective courses relevant to the chosen UG programme/specialization.
24. **Open Electives (OE)** Open Elective (OE) courses include the courses which a

student can choose from the curriculum of other B.E./ B. Tech. programmes.

25. **Project Work (PW)** Refers to the Mini project/Industrial internship/Project Based Learning/Capstone project undergone by student(s) during their period of study.
26. **Self-Learning Hours (SLH)** Self-learning hours are a vital part of total learning hours for credit accumulation. Self-learning includes MOOCs, spoken tutorials, online educational resources etc. (If provided in curriculum structure)
27. **Professional Development Courses (PDC)** include Workshop, Certificate courses NPTEL/MOOC courses, NCC courses.
28. **Credit (C)** Defined as a measure that quantifies learning and is based on the number of hours a student dedicates to learning activities, which can include classroom instruction, laboratory work, field study, internships, and self-study.
29. **Outcome Based Education (OBE)** An educational approach that focuses on achieving specific, measurable outcomes in terms of knowledge, skills, attitude and values that students are expected to demonstrate upon completing a course or programme
30. **Course Outcome (CO)** Specific statements that describe what students are expected to know, understand, and be able to do by the end of a particular course. COs are measurable and focused on specific skills, knowledge, and competencies related to the course content, providing clear guidance on the expected learning achievements in alignment with the programme's broader outcomes.
31. **Programme Outcomes (POs)** A set of skills, knowledge and attitude that a student shall attain to become eligible to receive a degree from a specific programme. These outcomes are broad and generally defined by the NBA, ensuring that students are well prepared to meet professional, ethical and societal standards in their field. POs align with graduate attributes and guide curriculum development, assessments and teaching strategies.
32. **Programme Specific Outcomes (PSOs)** Refers to the competencies that a student in a particular programme (such as Biomedical, Electrical, or Computer Engineering) is expected to demonstrate. PSOs are unique to each programme and are tailored to address the specific skills, tools, and techniques relevant to that field. They are designed to ensure that graduates have specialized knowledge that enables them to succeed in their discipline.
33. **Programme Educational Outcomes (PEOs)** PEOs are broad statements that outline the long-term achievements expected of graduates within a few years of

completing the program. PEOs typically describe career and professional accomplishments, ethical contributions, and the ability to adapt to technological and societal changes. PEOs are intended to align with the Institution's mission and are periodically reviewed to reflect evolving industry and societal needs.

34. **Regular Undergraduate Students** Those students who enter a bachelor's degree programme in engineering (B.E. or B.Tech) through the standard admission process, typically right after completing secondary education (12th grade or equivalent). These students usually follow the full curriculum from the first year, covering foundational to advanced topics in their chosen engineering discipline over a typical duration of four years.
35. **Lateral Entry Engineering Students** Those students who are admitted directly into the second year of an UG - B.E./B.Tech programme, after completing a diploma in engineering or an equivalent qualification.
36. **Credit Equivalence/ Credit Mapping/ Credit Transfer** Mechanisms are designed to align, recognize, and transfer academic credits across Institutions, programmes, or associated courses based on the curriculum structure, thereby enabling the students to translate the earned credits ensuring academic standards and curriculum requirements.
37. **Autonomous Institution** A higher education Institution that operates with a significant degree of independence from the affiliating university.

4. **ADMISSION**

4.1 **ADMISSION TO ACADEMIC PROGRAMMES**

The norms for admission and eligibility criteria (Regular/Lateral entry students) such as marks, physical fitness and mode of admission will be followed as prescribed by the Anna University, Chennai, Directorate of Technical Education (DoTE), All India Council for Technical Education (AICTE) and University Grants Commission (UGC) from time to time.

Candidates transferred from other colleges must bring a valid admission notification from the Director, DoTE, along with credits earned in previously attended institutions. The Head of the Institution shall form a Committee to consider the credits earned and recommend additional courses if necessary.

4.2 **RE - ADMISSION**

Students, who have discontinued for reasons other than disciplinary action, may be readmitted as per guidelines given by DoTE, Government of

Tamil Nadu and Anna University. DEC shall study and recommend on the exception and addition of courses to be registered for, by the student concerned during re-admission. The details shall be forward to AEC for approval and the committee's decision shall be final.

The eligibility criteria shall be as prescribed by Anna University, Chennai and Government of Tamil Nadu from time to time.

5. PROGRAMMES OFFERED

KIT offers a 4-year (8-semester) B.E. / B.Tech degree programme affiliated to Anna University, Chennai, for regular students, a 3-year (6-semester) B.E/B. Tech degree programme for lateral-entry students, and 2-year (4-semester) M.E/M.Tech/MCA/MBA degree programme affiliated to Anna University, Chennai, in the following branches of Engineering, Technology, Management and computer applications as below. (Programmes offered by the Institution are given in institution website also)

Undergraduate Programmes:

- B.E. in Aeronautical Engineering
- B.E. in Biomedical Engineering
- B.E. in Computer Science and Engineering
(Artificial Intelligence and Machine Learning)
- B.E. in Computer Science and Engineering
- B.E. in Computer Science and Engineering (Cyber Security)
- B.E. in Electrical and Electronics Engineering
- B.E. in Electronics and Communication Engineering
- B.E. in Electronics Engineering (VLSI Design and Technology)
- B.E. in Mechanical Engineering
- B.Tech. in Artificial Intelligence and Data Science
- B.Tech. in Biotechnology
- B.Tech. in Computer Science and Business Systems

Postgraduate Programmes

- M.E. Applied Electronics
- M.E. VLSI Design
- M.E. Engineering Design
- M.E. Power Systems Engineering
- M.E. Computer Science and Engineering
- M.B.A. – Master of Business Administration
- M.C.A. – Master of Computer Applications

6. ACADEMIC PROGRAMME STRUCTURE, CURRICULUM AND CREDITS

- The Academic Autonomy is applicable for all programmes offered by the college: B.E./B.Tech Degree programmes at Undergraduate (UG), M.E./M.Tech M.B.A and M.C.A programmes at Postgraduate (PG), and the Ph.D programme. The programmes fulfill the minimum academic quality and standards for the award of Degrees prescribed by the University, the Council and the Commission.
- The academic Autonomy provides an opportunity to the college to make schemes of instruction, syllabi, scheme of examinations and other aspects, with approval of its Academic Council, while fulfilling the minimum academic standards of the University for the Award of Degrees.
- The College has the freedom to evolve methods for assessing the students' performance, notifying the results, issuing the grade cards/transcripts, migration and other certificates except the Degree Certificates.
- To maintain academic standards, the College to structure its various academic programmes based on the Semester Scheme by introducing Credits for academic activities, bring in Examination Reforms for better achievement testing, award Letter Grades and Numerical Grade Points/ Averages for students' performance and set appropriate Passing Standards as covered later in these Regulations.

6.1 SEMESTER STRUCTURE

The Semester Scheme provides several benefits to technical education programmes in contrast to the Annual Scheme. Therefore, the College adopts the Semester Scheme for its UG programmes. The regular semesters

(Odd/Even) normally have about 90 working days including examinations.

6.2 PROGRAMME DURATION

- B.E / B.Tech programmes: A student after securing admission shall pursue B.E / B.Tech programme for a minimum period of 4 academic years (8 semesters) and a maximum period of 7 years (14 semesters) starting from the commencement of the first semester.
- For a student admitted in lateral-entry scheme, the minimum and maximum period of study shall be 3 academic years (6 semesters) and 6 years (12 semesters), respectively, starting from the commencement of the third semester.

6.3 MEDIUM OF INSTRUCTION

The medium of instruction is English for all the courses, Examinations and Project reports except for the courses தமிழர் மரபு / Heritage of Tamils தமிழரும் தொழில்நுட்பமும் / Tamils & Technology and language studies. For these courses the medium of instruction and examination shall be in their respective language. However, if a student wishes to write the examination in English for Heritage of Tamils and Tamils & Technology courses, he/ she shall be permitted.

6.4 CURRICULUM

Every programme has a specific structure, known as the curriculum, which prescribes all the details of courses for undergoing the programme and sets out the sequence semester wise.

6.5 CREDIT DISTRIBUTION

The curriculum structure for all the UG degree programmes can be referred to in the respective programme curriculum. General credit range for programmes are listed below:

Table 1. Credit Distribution

Credit Type	Credit Range	Credit (%)
Humanities and Social Sciences - HS	18 - 24	12 - 15
Basic Sciences – BS	18 – 26	12 – 16

Engineering Sciences – ES	16 – 24	10 – 15
Professional Cores – PC	48 – 55	30 - 34
Professional Electives – PE	12	12 – 15
Open Elective – OE	6	6 – 8
Project - P	12	12 – 13
Mandatory Courses	-	

6.6 CREDIT REQUIREMENT FOR UG DEGREE

B.E./ B.Tech: For the successful completion of the B.E./B.Tech. Programme, a regular student must earn a minimum of 160 credits (can vary with the programme) in eight Semesters, while a lateral-entry student must earn a minimum of 120 credits in six semesters.

6.7 ELECTIVES

Every student shall opt for electives from the list of electives of the respective degree programme in consultation with the Mentor, Programme Co-ordinator and the HoD. A student shall undergo open elective courses and professional elective courses. Professional electives will be offered from the 5th semester to 8th semester. The minimum number of credits to be earned for open elective is 6 and for professional elective courses is 12. Open electives are the elective courses offered by a department for students of other branches and professional electives are courses offered by a department to the students concerned.

6.8 INDUCTION PROGRAMME AS PER AICTE GUIDELINE

There is a 3-week long induction programme for the UG students entering the institution, right at the start. Normal classes start only after the induction programme is over. The purpose of the Student Induction Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. At the start of the induction, the students learn about the institutional policies, processes, practices, culture and values, and their mentor groups are formed. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them and the society

at large A student completing the induction programme will be awarded a completed grade and only the students who complete the induction programme shall be considered eligible for award of a degree subject to satisfy other conditions. A student who does not complete the induction programme in the first semester shall Redo the same in the subsequent semesters.

6.9 CURRICULUM STRUCTURE

Table 2. Details of various courses presented in terms of teaching and learning scheme

Course Code	Course Title	Category	Teaching and Learning scheme					
			CI (hours per semester)		LI (hours per semester)	AAT, D=TW+SL (hours per semester)	Total no of hours per semester	Total Credits (Total hours/30)
			L	T	P	D		C
101	-Theory Course -	PC	45	0	0	45	90	90/30 = 3
102	-Theory Course -	ES	60	15	0	45	120	120/30 = 4
201	-Theory with Practical component -	PC	60	0	30	30	120	4
202	- Practical -	ES	0	0	15	15	30	30/30=1
203	- Practical -	ES	0	0	30	30	60	60/30 = 2
103	- UHV Courses -	MC	0	0	15	15	30	1
204	- NCC credit course -	-	0	0	30	0	30	1
303	-PDC-	MC	0	0	15	15	30	30/30 = 1

LEGEND:

CI: Classroom Instruction (Includes different instructional/implementation strategies i.e. Lecture (L), Tutorial (T), Case study, Demonstration, Video demonstration, Project based learning, flipped classroom, blended learning, etc. to deliver theoretical concepts)

LI: Laboratory instruction (Includes experiments/practical performances/ problem-based

experiences in laboratory, workshop, field or other locations trip using difference instructional / implementation strategies)

TW: Term work (Includes assignments, seminars, micro projects, industrial visits, any other student activities etc.)

SL: Self learning through MOOCs, spoken tutorials, online educational resources etc. (If provided in curriculum structure)

AAT = D = TW+SL

6.10 PROFESSIONAL DEVELOPMENT COURSES (PDC)

Workshop, Certificate courses, NPTEL / Coursera Or National Cadet Corps (NCC)

- I. Every student is required to undergo one credit course from either Workshop, Certificate courses, NPTEL / Coursera (All together as one course) **OR** NCC during their first and second year of their degree programme. However, as far as NCC course is concerned, a student upon attending National Level camp along C-certification can earn 3 credits using which student can claim waiver of one open elective course after approval from DEC.
- II. The student shall satisfy the following minimum contact hours required to avail the necessary credit given in the respective curriculum: Workshop – 8 hours, Certificate courses – 15 hours, NPTEL – 4 weeks, Coursera – beginner level and NCC – 30 hrs per year. For PDC, HoD of the respective department shall nominate a course coordinator who shall monitor the progress of the student and be responsible to conduct assessment for the same.
- III. Students shall undergo workshops and professional certificate courses from the center of excellence of the Institution for the minimum contact hours prescribed. Center of excellence of the Institution in association with industry experts organize / conduct the workshop / Certificate courses. Students can register for such courses from his/her first year of study as and when these courses are conducted by the Departments. A student can also be permitted to register for these courses of other Departments. If a student does not successfully complete the registered industry supported one credit courses in a semester, the registration of that course will be considered as withdrawn. Further, it will not be treated as an arrear and if he / she wishes, he/she can re-register for the same course in the ensuing semesters. However, each certificate course must be completed before the end of the academic year with prescribed contact hours.
- IV. Students can register online courses of their choice in either NPTEL or Coursera platform to be approved by the HoD from time to time. Students must

complete one course before the end of the academic year to earn credit. The course coordinator shall guide / monitor students during the progress of the course.

- V. NCC activities include number of parades / camps as specified by the NCC officer in coordination with the course coordinator.
- VI. The evaluation is ONLY through internal, and no ESE is conducted for PDC. The credit earned will not be considered for CGPA calculation.

6.11 INDUSTRIAL TRAINING / PRACTICAL TRAINING/ INTERNSHIP/ SUMMER PROJECTS / SEMINARS / PROFESSIONAL PRACTICES / CASE STUDY.

The students may undergo industrial training/Internship if mandated in the curriculum for periods as specified in the curriculum during the summer/winter vacation, the training being taken on a continuous basis for the periods mentioned. The industry / organization is to be selected with the approval of the Department Evaluation Committee (DEC). The students may undergo Internship at a Research organization / University/ Industry (after due approval from the Head of the Institution) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training

The Industrial training/ Practical Training/ Internship/ Summer Projects / Seminars / Professional Practices / Case Study which is successfully completed by the student in a particular semester during study is eligible for including in the grade sheet in the immediate next semester by registering it. The final year project period at industry / research organization will not be considered as industrial Training/internship.

6.12 INDUSTRIAL VISIT

Every student is required to go for at least one Industrial visit every year starting from the second year of the Programme subject to the approval of the HoD and Principal. The HoDs should ensure that necessary arrangements are made in this regard.

6.13 MANDATORY COURSES

The UG Degree programmes also require the inclusion of certain courses for overall personality development. Such courses shall not carry any credit for the award of the Degree. But, a pass in each such course during the programme shall be a necessary requirement for the student to qualify for the Degree. Hence, the UG programme includes Mandatory Courses as suggested by the respective BOS, and to include the student's performance (like, Pass or Fail) in such course(s) in his/her transcript. These courses are evaluated based on the performance in the CIA (and do not have the ESE component). Students shall opt any one of the mandatory courses

during their degree programme. The respective HoD shall assign a course coordinator who shall conduct the course and assessment. The course coordinator shall ensure satisfaction of the contact hours prescribed in the curriculum. Students should register for the course during the first week of the commencement of the semester. The same will be submitted to Controller of Examinations through the respective HoD.

6.14 INNOVATION THROUGH DESIGN THINKING

Students shall undergo design thinking based innovative product development of one credit from first year to VI semester in five phases with an objective to develop Experiential learning, Interdisciplinary integration, Future ready skills and linking Theory with Application. In their first year they must complete Phase I of design thinking-based product development and subsequently from semester III to semester VI they must complete the remaining four phases each in a semester. Students shall systematically follow five steps of design thinking viz., Empathy, Define, Ideate, Prototype and Test and as an outcome they must submit an innovative product along with a comprehensive report.

Table 3. Stages of Design thinking

S.No	Stages	Outcome required from each stage	Semester to complete
1.	Empathy	The main aim of the Empathize stage is to have deep understanding of the target user's needs, behaviors, and pain points. Ways to do: User Interviews, Observation and Surveys and Questionnaires.	First semester / Second Semester
2.	Define	A clear and concise problem statement that focuses on the core issue to be addressed. This statement is derived from the synthesis of the insights gathered during the empathize stage. Ways to do: Affinity Mapping, User Personas and Problem Statement.	Third Semester
3.	Ideate	A wide range of potential solutions to the defined problem. This stage emphasizes brainstorming and exploring diverse ideas, including unconventional or even seemingly outlandish ones. Ways to do: Brainstorming, Mind Mapping, SCAMPER Technique, Sketch, Analogies etc.	Fourth Semester

4.	Prototype	Tangible representations of the most promising ideas, ranging from simple sketches to functional mockups or minimum viable products (MVPs). These prototypes allow for early testing and validation of concepts. Ways to do: Sketching and Wireframing, Mockups and Interactive Prototypes.	Fifth Semester
5.	Test	Feedback on the prototypes from real users, which provides valuable insights for refining and improving the proposed solutions. This iterative process helps to identify areas for improvement and ensure the final solution effectively addresses the user's needs. Ways to do: Usability Testing, Surveys and Interviews and Testing.	Sixth Semester

HoD shall nominate a faculty supervisor for each student group (max size of 4) who shall monitor the progress of the student batch.

6.15 SELF-LEARNING COURSES

To enhance conceptual learning, Students shall be permitted to undergo self-study course in all semesters under a faculty mentor. Study shall refer to any online platform / study materials video lectures prepared by the faculty mentor for better understanding of the concept. No formal lectures need to be delivered. However, the faculty mentor shall monitor the progress of the students on a weekly basis. Students shall write assignments/tutorials and appear for continuous assessment if insisted by the faculty mentor and no ESEs will be conducted. Students shall meet the faculty mentor once a week.

6.16 ONLINE COURSES OFFERED THROUGH SWAYAM / NPTEL

Students may be permitted to register maximum of two online courses, subject to a maximum of six credits, registered through SWAYAM instead of Professional/Open Elective Courses (For Honours / Minor degree, additional two SWAYAM / NPTEL online courses with 3 credits each, are permitted for credit transfer provided the courses, before registration, are to be approved by center for Academic courses, Anna University) of regular B.E/B. Tech Programme with the approval of BOS through evaluation committee. The online course of a minimum of 3 credits (8 weeks course / 12 weeks course) shall be considered instead of one Professional / Open elective course.

The evaluation committee finalizes the courses to be permitted for credit transfer through SWAYAM / NPTEL prior to the commencement of the semester. The courses selected through the SWAYAM/ NPTEL may not be necessarily the courses

which are offered on the list of Professional/Open Elective courses, as part of the curriculum.

The Committee also intimates the students about the selected courses prior to the commencement of the semester, identify and designate a Course Coordinator for the online course(s) offered. The Course Coordinator guides the students throughout the course, submits the certificates and marks earned by the students to the office of the CoE during credit transfer requests by the student. For the selection of Online course, repetition of the course studied or to be studied in their four-year degree programme shall be avoided.

Upon successful completion of full course, the two professional elective or open elective courses in the curriculum shall be waived. Students may be permitted to waive a maximum of six credits during the entire duration of the programme.

The student must register for the credit transfer of the online course during the course registration. The online course(s) which is/are successfully completed by the student in a particular semester during study is eligible for credit transfer in the immediate next semester by registering it (i.e. an online course is eligible for credit transfer in the immediate next semester only).

6.17 SOFT SKILLS

Every Student is required to go for soft skill courses during second year of study. The soft skill course includes communication skills, interpersonal skills and career development courses, etc. (Non-Credit).

6.18 COURSE NUMBERING SCHEME

Each course is denoted by a unique code consisting of 9 alphanumeric characters.

The details of the numbering scheme are in APPENDIX A.

7 DURATION OF THE PROGRAMMES:

A student is normally expected to complete the B.E / B.Tech. Programme in 4 years i.e 8 semesters, but in any case, (including authorized break of study on one year) not more than 7 years i.e. 14 Semesters.

A Lateral entry student is normally expected to complete the B.E. / B.Tech programme in 3 years (6 semesters), but in any case, (including authorized break of study of one year) not more than 6 years i.e. 12 semesters. The duration of B.E. / B.Tech programme for a lateral entry student shall be three academic years with a semester pattern. The courses of study for the lateral entry candidates shall be in accordance with the prescribed syllabus of third to eighth semesters of the full-time four-year B.E. / B.Tech. Degree Programme of the respective branches. The additional courses offered will be decided by the respective Chairman, Board of

Studies.

Each semester normally consists of 90 working days, including tests or 450 hours or 540 periods of each 50 minutes duration. The HoD shall ensure that every course coordinator imparts instruction as per the number of contact periods specified in the syllabus covering the full content of the syllabus for the course being taught.

The total duration for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum duration specified

Due to Pandemic / Abnormal situations the Scheme of Examinations and Evaluation will be followed as per the guidelines issued by the Government of Tamil Nadu and Anna University, Chennai.

The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted, shall not exceed the maximum period specified in this clause irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

For regulations, the academic year will be divided into two semesters, the odd semester normally spans from July to December and the even semester from January to June.

8 COURSE REGISTRATION:

- I. Each student, on admission, shall be assigned to a Faculty Advisor, who shall advice and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objectives. Credits will not be awarded for courses in which a student has not registered.
- II. Every student is required to finalize the registration process through the web-based system, during the specified time window.
- III. Schedule of registration of the courses will be intimated to the students through a common circular and / or through the Academic Calendar hosted on the website.
- IV. The course registration/enrollment for the courses from semester II to VIII (and additional courses for Honours/Minor) will commence 5 working days prior to the commencement of the succeeding semester.
- V. The course registration / enrollment for Honours / Minor shall be done separately.
- VI. The maximum number of credits enrolled in a semester (including Honours/Minor/) shall not exceed 36.

- VII. The professional elective courses may be listed in the curriculum as verticals (specialized groups). A student can choose professional electives from any of the verticals offered in each semester by the department.
- VIII. The student who opted for Honours /Minor shall enroll for the prescribed courses.
- IX. For an elective course to be offered, the minimum number of students to be enrolled shall be 20, but for Honours / Minor, the electives may be offered with no minimum limits for the number of students. The students shall register for project work in the 7th & 8th semester (B.E./B.Tech) and only.
- X. A student can register for MOOC courses based on the availability of the offering platforms during the respective semesters.
- XI. A student shall not re-register for the courses which are successfully completed by the student, for any reason(s) whatsoever.
- XII. A student has to earn the total credits specified in the curriculum of the respective programme of study, to be eligible to obtain the degree. However, if the student wishes, then he/she is permitted to earn more than the total number of credits prescribed in the curriculum.
- XIII. Students shall be permitted to register for additional courses over and above the courses prescribed in the respective curriculum, under PC / PE / OE in any programme with the prior permission of the HoD of the student and also from the HoD offering that course. The credits earned shall be printed in the grade sheet and not considered for the computation of CGPA.
- XIV. The number of credits most students are expected to register for, in a semester, will be about 20 - 30 credits (excluding arrears). so that they complete the programme within the specified duration of the programme. The minimum credits a student can register for in a regular semester shall be 12 and the maximum credit a student can register is 36 (excluding arrears).

8.1 FLEXIBILITY TO ADD / DROP COURSES:

- 8.1.1 A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree.
- 8.1.2 If a student wishes, he / she is permitted to earn more than the total

number of credits prescribed in the curriculum of the Programme.

8.1.3 From the V to VIII semesters, the student has the option of registering for additional courses in a semester. With regard to enrolling for B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor. The total number of credits that a student can add in a semester is limited to 6, subject to a maximum of 2 courses. Maximum number of credits enrolled in a semester (Honours and Minor) shall not exceed 36. The online courses registered for B.E. / B. Tech. (Hons.) and B.E. / B. Tech. minor shall be over and above these 36 credits.

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

8.2 REAPPEARANCE REGISTRATION / RE-ENROLLMENT REGISTRATION:

8.2.1 If a student fails in a Theory (except electives) / Theory with Practical component/ Practical course(s), the student shall do reappearance registration for that course in the subsequent semester and attend ESE.

8.2.2 If the theory course in which the student has failed, is a Professional Elective or an Open Elective course, the student may register for the same or any other Professional Elective or Open Elective Course respectively in the subsequent semesters. Such changes can be made only with due approval by the HoD.

8.2.3 The student who fails in Project work shall register for the same in the subsequent semester, satisfy attendance requirement, earn CIA marks and appear for the ESE.

8.2.4 If a student is prevented from writing ESE due to lack of attendance (overall attendance is below 75%), the student has to rejoin the programme in the next academic year after getting a readmission order from DOTE/University. The student shall attend the classes and fulfil the attendance requirements as per clause 8, earn CIA marks and appear for the ESE.

8.3 B.E./B.TECH DEGREE WITH HONOURS/ MINOR:

Students always have a passion or fascination for a particular field, or a line of thinking or study and Honours / Minor Degree option enables the student to nurture

this interest from. Students shall obtain Honours / Minor degree by successful completion of additional courses over and above the courses prescribed in the respective curriculum from 'FIFTH' semester onwards. B.Tech. (Hons.) or B.E./B.Tech. Minor should be offered by the Department irrespective of the number of students enrolled. The student has to enroll for these additional courses separately and pay prescribed course fee and exam fee.

- B.E / B.Tech. (Hons.) and B.E./B.Tech. minor in another discipline will be optional for students and the students shall be permitted to select any one of them only.
- A student (regular/lateral entry) shall be permitted to register for the courses from Semester V onwards provided the student has earned a minimum CGPA of 7.50 until Semester III and has cleared all the courses in the first attempt throughout the programme of study

(i) B.E / B.Tech. (Honours):

. The student shall take the courses from a specified group of Professional Electives (vertical) or from any of the verticals of the same programme and earn a minimum of 18 credits.

- i The student shall pass all the courses prescribed in the curriculum in the first attempt.
- ii On successful completion of six elective courses, HONOURS shall be conferred to the students, who secure a CGPA of 7.50 or higher, without any history of arrears. If the student after successful completion of 'SIX' courses secures less than 7.50 CGPA, HONOURS' degree shall not be conferred.
- iii Students can earn a maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits as approved by Board of Studies, Department Evaluation Committee and Centre for Academic Courses, Anna University.
- iv If a student decides not to opt for Honours, after completing certain number of additional courses, such additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum.
- v If the student has studied a greater number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA.

- vi Remaining courses shall be printed in the grade sheet (as additional courses); however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.

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

- I. In order to get a Minor Degree, a student has to successfully complete the basket of courses as prescribed in the Minor degree vertical of the Department offering the Minor Degree and earn 18 additional credits. Grades obtained in the basket of courses shall also be considered for computation of CGPA, along with the courses in the curriculum for the programme (mainstream).
- II. Students can earn a maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits as approved by Board of Studies, Department Evaluation Committee and Centre for Academic Courses, Anna University.
- III. If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.
- IV. 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.

9 REQUIREMENTS FOR APPEARING CIA, ESE:

9.1 A student is expected to maintain 100% attendance in all courses. The mandatory requirement for a student to maintain in par with university requirement is a minimum of 75% for he/she to be eligible to appear for ESE.

9.2 Attendance of the student is calculated as follows:

$$\text{Percentage of attendance} = \frac{\text{Actual No of classes attended}}{\text{Total No of classes conducted}} \times 100$$

9.3 A student who is not able to attend classes due to medical reasons or any special case is liable to submit medical certificate/supporting documents within 5 days from the date of reporting to class after absence. If the attendance of the student falls between 65% and 75% such a medical certificate shall be considered after the approval of the Head of Institution to calculate the attendance as below:

$$\% \text{ of attendance} = \frac{\text{Actual No of classes attended}}{\text{Total No of classes conducted} - \text{No of classes held due to medical reasons}} \times 100$$

9.4 A student who fails to submit the medical certificate within the stipulated time as prescribed in clause 9.3 shall not be accepted and the percentage of attendance in this case is calculated as per clause 9.2.

9.5 The student shall be barred from appearing the ESE for a particular registered course or all registered courses, if the attendance in that course falls below 75%. The student shall then repeat the course/all registered courses when offered by the department during the next semester. However, if the academic regulation is changed, equivalent courses in the respective course categories shall be recommended by the HoD concerned and the student have to undertake these courses for completion of the programme.

9.6 The list of students eligible for appearing the ESE and prevented from writing the same shall be displayed in department noticeboard within Two working days from the last working day of the semester.

9.7 A student who is registered under Honours / Minor degree courses when unable to secure the required attendance in the Honours / Minor degree courses but still has the required attendance in the regular courses with CGPA above 8.50 will be given the option of withdrawing from the Honours and Minor degree courses to retain the degree classification first class with distinction.

9.8 A student who is eligible to appear in the ESE shall be permitted to withdraw the course(s) for bona fide reasons with prior approval of the Head of the institution. In case of medical emergencies alone, post-facto approval can be given with prior intimation from parent/guardian. The student shall appear for the ESE in the subsequent semester. The courses withdrawn shall be considered appearance for classification of degree.

9.9 Those students who are not deemed to have completed the semester with references to the conditions specified above shall undergo the semester again in all the courses in the respective semester during next academic year. He/she shall seek re-admission as per the norms of the affiliating University/DOTE (Directorate of Technical Education).

9.10 On discipline grounds, if the student is suspended from attending classes, the days of absence for calculating the percentage of attendance for each course.

10 AUTHORISED BREAK OF STUDY

- I. A student is permitted to go on a break of study for a maximum period of one year as a single break during the entire course of study.

- II. A student shall apply for a break of study, before the commencement of CIA I in a particular semester to the Head of the institution through the HoD.
- III. Notwithstanding the requirement of (ii), applications for break of study for special cases viz., prolonged hospitalization, accidents will be considered on the merit of the case. The student shall apply to the Head of the institution through the HoD.
- IV. The student shall apply to the Head of the institution for re-joining the programme after availing break of study. He/ She will be permitted to re-join the programme after receiving approval from DOTE.
- V. The students permitted to re-join the programme shall be governed by the Curriculum and Regulations in force at the time of re-joining. DCC shall prescribe additional/equivalent courses, if any, to meet the course completion requirements.
- VI. The total period for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 7 irrespective of the period of break of study, in order that the student may be eligible for the award of the degree (Refer clause 14).
- VII. If a student has not reported to the department for a period of one semester without any intimation, the student shall be considered as LONG ABSENT. Such student is required to apply for readmission, as per norms.
- VIII. A student in Full Time mode wants to take up start-up / entrepreneurship during the period of study, he/she shall apply for break of study for one year only after getting approval from the Head of the Institution.

11. ASSESSMENT METHODS

11.1 Assessment of Theory Courses (T):

The evaluation shall be through Continuous Internal Assessments (CIA) and ESE. CIA shall have a weightage of 40% & ESE shall have a weightage of 60%.

- i. Continuous Internal assessments cover two tests and activities. For each test, there shall be a minimum of ONE 'activity' which includes tutorials, assignments, group assignments, case study, seminar, mini project, quizzes, etc. Weightage for test is 80% and for activity, it is 20%, as provided in Table. The average marks (rounded off to the nearest integer) obtained in two assessments, shall be taken as CIA marks for the particular course.
- ii. The weighted average shall be converted into 40 marks for internal Assessment

- iii. Each CIA test is scheduled for 1 hr and 30 min with 50 marks weightage which is further converted to 40%. The type of Term work and Self Learning activity (AAT) may be decided by the respective course faculty for award of 40% marks in the CIA.
- iv. ESE shall be conducted for 100 marks for a duration of Three hours.

Table 4. Assessment of Theory courses

Continuous Internal Assessment				End Semester Examinations
CIA I (Theory) (100 Marks)		CIA II (Theory) (100 Marks)		Theory End Semester Examinations (Examinations will be conducted for 100 Marks)
*Alternate Assessment Tool (AAT)	Written Test	*Alternate Assessment Tool (AAT)	Written Test	
40 Marks	60 Marks	40 Marks	60 Marks	
40 Marks				60 Marks
Total: 100 Marks				

* AAT - Individual Assignment/ Case Study/ Seminar/ Mini project/ MCQ/ Role Play/ Group Discussion/ Debates/ Oral Presentations/ Poster Presentations/ Technical Presentations can also be provided course coordinator can choose any one/two components based on the nature of the course.

11.2 Assessment of Laboratory Integrated Theory (LIT) Courses:

The evaluation shall be through CIA and ESE each shall have a weightage of 50%.

- i. CIA contain two tests for theory and one test for practical. For each test on Theory course, there shall be a minimum of ONE 'activity' which include tutorials, assignments, group assignments, case study, seminar, mini project, quizzes, etc. Assessment of laboratory component will be based on turn-to-turn supervision of the student's work, performance in laboratory test (Mid-term). Rubrics for laboratory practical component shall be arrived in the course committee at the beginning of the semester.

Table 5. Weightage for CIA in LIT Courses

S. No	L-T-P	Credit (C)	Total Hours (C*30)	Continuous Internal Assessment		End Semester Examination
				Assessment – I	Assessment – II	
1.	1-0-2	2	60	Laboratory (15%)	Theory (15%) Laboratory (15%) D = TW+SL (5%)	Practical (50%)
2.	1-0-4	3	90	Laboratory (15%)	Theory (15%) Laboratory (15%) D = TW+SL (5%)	Practical (50%)
3.	2-0-2	3	90	Theory (10%) D = TW+SL (5%)	Practical (25%) Theory (10%) D = TW+SL (5%)	Theory (25%) Practical (25%)
4.	3-0-2	4	120	Theory (10%) D = TW+SL (5%)	Practical (25%) Theory (10%) D = TW+SL (5%)	Theory (35%) Practical (15%)
5.	2-0-4	4	120	Theory (10%) D = TW+SL (5%)	Practical (25%) Theory (10%) D = TW+SL (5%)	Theory (15%) Practical (35%)

11.3 Assessment of Laboratory (L) Courses:

The evaluation shall be through continuous assessments and end semester examination. Continuous assessment shall have a weightage of 60% & ESE shall have the weightage of 40%.

- i. CIA will be based on turn-to-turn supervision of the student's work, submission of observation notebooks, etc. and it has the weightage of 75%. Performance in laboratory practical test (Mid-term) shall have a weightage of 25% as given in Table. Rubrics for each laboratory course shall be arrived in the common course committee at the beginning of the semester.

Table 6. Assessment of Laboratory courses

Continuous Internal Assessment		End Semester Examinations
* Evaluation of Laboratory experiment, results and Record	Test (Model)	Practical End Semester Examinations (Examinations will be conducted for 100 Marks)
75 Marks	25 Marks	
60 Marks		40 Marks
Total: 100 Marks		

- ii. There shall be one ESE for laboratory course conducted for 100 marks and this examination shall be conducted preferably before the commencement of theory examinations.

11.4 Assessment of Project Work:

A student in a group size of maximum 4 shall work in a topic of interest under a faculty supervisor where the student shall interact at least twice a week with student / group of students. Student(s) shall submit a project report and defend it in front of a panel of examiners, upon which the final grade is awarded. The dates for reviews, submission of reports and viva-voce examination are decided by the respective department. Evaluation shall be through continuous internal assessments (Two reviews at regular intervals), evaluation of project reports and the final viva-voce examination. Project reviews shall be conducted by a committee constituted by the respective HoD, comprising the Supervisor(s), Project Coordinator and one internal subject expert. The weightage of CIA is 40%. Assessment weightage for project thesis and viva voce examination shall be 20% each whose breakup is furnished in table below. For conduct of the viva-voce examination, one internal from the respective department and one external examiner have to be nominated by the respective Faculty Chairperson from the panel of examiners (at least three) proposed by the Project Coordinator through the respective HoD. A soft copy of the approved project report shall be kept in the library of the college and in the respective Department.

The last date for submission of the project report is on the last working day of the semester. If a student fails to submit the project report on or before the specified deadline or the student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail in the Project Work and the student shall re-register for the same in the subsequent semester.

Table 7. Assessment for Project Work

Continuous Internal Assessment			End Semester Examinations			
Review I	Review II	Review III	Practical End Semester Examinations (Examinations will be conducted for 100 Marks)			
			Project Report		Viva-Voce	
			Internal	External	Internal	External
10 Marks	15 Marks	15 Marks	20 Marks	20 Marks	30 Marks	30 Marks
40 Marks			60 Marks			
Total: 100 Marks						

11.5 Innovation through Design Thinking

The Continuous Internal Assessment for these courses shall consist of an evaluation of the final report submitted by the students or students of the group (of not exceeding 4 students) by the panel of examiners consisting of faculty coordinator, Guide and a common examiner from another programme nominated by the CoE. After successful completion of the course by the student, the credit will be considered for CGPA calculation. No ESE will be conducted for this course. The assessment shall be as per the assessment of Project Work. (Refer Clause 11.4)

11.6 Assessment of Professional development courses:

Students shall undergo one credit professional development course during their first year and second year of their study as prescribed in their respective curriculum. Students should engage themselves in either Workshop, Professional certificate courses, NPTEL / Coursera or NCC where a course coordinator is nominated by respective HoD. The course coordinator shall conduct the assessment for the course. The assessment is ONLY based on continuous assessment and no ESE is conducted. The assessment for Workshop, Professional certificate courses, NPTEL / Coursera shall be conducted as per the weightage furnished in the table below:

Table 8. Weightage for Continuous Assessment of Workshop, Professional certificate courses, NPTEL / Coursera

Workshop	Certificate courses	NPTEL / Coursera
20%	30%	50%

The rubrics for the assessment shall be under the discretion of the course coordinator. The marks of the final assessment shall be submitted to the controller of the examinations.

The assessment of NCC shall be conducted by the course coordinator in consultation

with the NCC officer. To earn the prescribed one credit a first-year student shall attend the camp prescribed by the NCC officer and a second-year student shall attend camp along with a B-certificate.

11.7 Assessment of NCC (to earn 3 credits):

If a student secured C-certification and attended National Level camp (Minimum 45 days), he/she can earn 3 credits using which the student can drop one open elective course. The assessment is solely on Internal mode and the credit earned will be considered for CGPA calculation. However, no ESE is conducted for this course.

11.8 Assessment of Internship cum Project work:

A student group with a maximum size of 4 who are selected for internship requires an Internal and External guide when they are working in a project in the industry concerned. On receipt of the intimation letter / Email regarding the internship, the HoD concerned shall nominate a Guide and Co-Guide (if required), for smooth progression of the works.

- i. Internal guide is a faculty from the department of the student and Internal co-guide can also be a faculty from another department. Internal guide and co-guide are nominated by the HoD concerned based on the nature of the project work, if required.
- ii. An external guide shall be identified at the time of offering the internship to the students by the industry concerned and the external guide has to interact with the internal guide / co-guide at regular intervals for formulation, monitoring and completion of the project work. External guide shall be a review committee member for evaluating the progress of the work and performance of the student(s). Bonafide certificate for the completion of the 'Internship cum Project Work' shall be approved by both internal guide(s) and external guide.
- iii. Any confidential / Intellectual Property Rights matters related to the industry concerned, shall be discussed by the external guide from the industry, at the beginning of the internship cum project work with the student(s) and the internal guide(s), to arrive at the problem definition & formulation of objective(s) of the Internship cum Project Work.
- iv. Sufficient information/ data have to be provided by the industry concerned to the student / group whenever required and the same shall be followed up the internal guide(s).
- v. Students shall attend the review either in physical mode or online mode to be decided by the HoD.
- vi. Evaluation of Internship cum project work is as per clause 11.4.

11.9 Assessment of Internship / Industrial Training:

Internship / Industrial training shall be undergone by the student for a period as stipulated in the respective curriculum of the department. The industry proposed for Internship / Industrial training shall involve in Design / Production / Manufacturing / Testing / Research and Development / Services etc., in par with fields related to the programme. The deliverables to be submitted by the student after Internship / Industrial training are the report describing the observations, skills acquired, usefulness, etc., along with the attendance certificate issued by the industry concerned. Respective HoD shall constitute an evaluation committee comprising of three faculty members, and a representative from the industry concerned (preferably Unit Head). Evaluation criteria hold the following weightage of marks for the fields prescribed, 40% for report evaluation, 30% weightage for presentation and 30% weightage for viva-voce examination (out of which 10% marks from the industry concerned), as presented in Table. In case of pre-occupation of the industry representative for the conduct of viva-voce examination, then the marks awarded by the representative shall be obtained through email.

Table 9. Weightage for Continuous Assessment of Internship / Industrial Training

Report	Presentation	Viva-Voce
40%	30%	30%

11.10 Assessment of Mini Project:

As a part of the curriculum students shall undergo mini project where they practice the concepts they learnt in theory. The respective HoD shall constitute an evaluation committee to review the progress of the student in mini project. The committee consists of three faculty members, viz. an internal expert, Project coordinator and respective supervisor. Performance of the students is assessed by committee through continuous assessments, which include two reviews and the ESE. The assessment pattern is as per clause 11.4.

11.11 Assessment of Seminar Courses:

Students are motivated to present a topic of interest related to the programme and approved by the course instructor, for better understanding of concepts and to enhance critical thinking & communication skills of the student. Evaluation shall be only through continuous assessments by the Course Instructor, with equal weightage of the marks obtained in a minimum of three presentations by a student. ESE shall not be conducted for this course.

11.12 Assessment of one Credit and Non-Credit Courses:

Students shall undergo one credit and non-credit mandatory courses as per the curriculum of the respective UG programme. Evaluation is only through one CIA and

submission of minimum Two assignments. One CIA shall be conducted in par with assessment of Theory course. Weightage for Written test is 60% and for assignments, it is 40%. ESE shall not be conducted for this course. The credit earned by the student will not be considered for CGPA calculation. However, the credit will be reflected in the Grade Sheet.

Evaluation Pattern	
Continuous Internal Assessment	
CIA (Theory) (100 Marks)	
* Alternate Assessment Tool (AAT)	Written Test
40 Marks	60 Marks
Total: 100 Marks	

11.13 Assessment of One of the three activities, National Sports Organization (NSO) / National Service Scheme (NSS) / Youth Red Cross (YRC):

It is a mandatory requirement during the first year of the programme.

- i. Students can choose any activity at the time of admission and no subsequent changes shall be permitted. These activities are normally conducted during off working hours and weekends and are designed to build character and to sensitize the students to social / national development. The camp for each activity shall be conducted during the vacation. Training period and camp duration shall be decided by the respective unit, from time to time. These activities shall not carry out any credits.
- ii. Upon the interest of the students, they shall be permitted to participate in NSS / NSO / YRC in subsequent years too. Successful completion of such participation shall be awarded with credits and shall be featured in the grade sheet. However, the credits earned shall not be considered for computation of CGPA.

11.14 Assessment of Industry Oriented Course (IOC):

- i. In the curriculum prescribed there shall be Three Industry Oriented Course (IOC) to be successfully completed by the student. Students are also permitted to register for courses offered by other department provided they have fulfilled the obligatory pre-requisites of the course.
- ii. IOC coordinator shall be a faculty member of the respective department who has to submit a proposal for conduct of IOC to the HoD at the commencement

of each semester for conducting IOC(s) in the subsequent semester, as per the curriculum.

- iii. Course content shall be prepared by the course coordinator in consultation with the industrial expert. The content can be trans. / Interdisciplinary in nature with practical applications such as case studies, standards, certifications, etc.
- iv. The proposal shall contain the following deliverables, a brief introduction about the expert, title of the course, lesson plan for 15 hours, tentative schedule of the classes and pre-requisite(s), if any, for the students to attend.
- v. Classes shall be conducted by the industry expert through physical / hybrid mode and slots for these courses shall be allotted depending on the availability of the expert in regular timetable, before or after the working hours. However, time slots on Saturdays may also be judiciously decided by the respective Head of the Department, depending on the convenience of the students and experts. For all sessions, the coordinator shall attend the classes with the students. Attendance register for IOC shall be maintained by the coordinator.
- vi. Size of the batch shall be preferably below 75 for both physical and hybrid mode.
- vii. Classes shall be conducted in the institution premises. Practical classes / Case studies / Projects shall be conducted at the institution / industry premises which shall be decided by the industrial expert in consultation with the coordinator.
- viii. Performance of the student shall be assessed ONLY through continuous assessment with Two test, one during the mid-term and the second test at the end of the course. These tests have equal weightage. Mode of assessment can be Quiz, Multiple Choice Questions, Descriptive type, Assignments, Projects, etc., and it is at the discretion of Industrial Expert and Coordinator. ESE shall not be conducted for this course.
- ix. Students shall also be permitted to attend the IOCs as Value Added Courses over and above the three mandatory IOCs. The result(s) of such VACs shall be printed in the Grade sheet and the credit acquired shall not be considered for computation of CGPA.
- x. At the end of each IOC, students' feedback shall be attained and reviewed by the respective Head of the Department and Faculty coordinator, for further enhancement of the course.

11.15 Assessment of Self-Learning Course (SLC):

- i. Students shall undergo 'one' SLC in the entire programme as prescribed in the respective curriculum of UG Programmes. This course should be relevant to

engineering and technology rather it shall not be a part of any other course prescribed in the respective UG curriculum.

- ii. Students can opt for courses offered by SWAYAM / NPTEL as well as state funded institutions OR Research Laboratories, which are in the top 20 positions in the latest NIRF ranking OR Foreign Universities within QS 300 rankings OR list of EduTech firms approved by the University, from time to time. The learning platform should have a systematic and meticulous process of awarding grades / marks to the students.
- iii. To undergo a course in the subsequent semester, students shall request a maximum of three interested SLCs to the head of the department at least 'ONE MONTH' before the end of the ongoing semester. The request shall contain the details of course contents, Name & Affiliation of the instructor, Mode of evaluation, etc.
- iv. In case the SLC undergone by the student fetches more than one credit, only one credit shall be taken for computation of CGPA, upon successful completion of the course.

11.16 Assessment of Credit transfer of SWAYAM / NPTEL courses

Online courses have become a major source of learning and these course gives an option to students to register a wide variety of courses. Students can register for these courses to earn a certificate. The credit transfer of courses completed through SWAYAM National Program of Technology Enhanced Learning (NPTEL) shall be done as per the following

- a. B.E / B.Tech.. students can earn a maximum of 6 credits through NPTEL courses.
- b. Any student of the institute can opt for NPTEL course only if it is not being offered at the institute or if the student has joined semester long internship.
- c. Institute core or program core courses shall not be enrolled through NPTEL.
- d. The student shall submit a request to the DEC of their department to permit enrolment of NPTEL course(s).
- e. Grades secured corresponding to any NPTEL courses will be accepted only when the enrolment of the course is approved by the DEC.
- f. The grades obtained more than 50% only are eligible for credit transfer and below 41-49 are not eligible for credit transfer.
- f. Credits as assigned to a NPTEL course shall be accepted without any change.
- g. Mapping of NPTEL score and certificate category to KIT grades shall be done as per the following,

Table 11. Mapping NPTEL score to Grades

Sl.No.	NPTEL Score and Certificate category	Mapping to KIT Grades
1	Less than 40 %	F (Fail)
2	Successfully completed – 90-100	O
3	Successfully completed – 80-89	A+
4	Successfully completed – 70-79	A
5	Successfully completed – 60 - 69	B+
6	Successfully completed – 50-59	B
7	Successfully completed – 40-49	C

11.17 Weightages of CIAs & ESE for various categories of courses are summarized in the table given below:

Table 12. Summary of Weightages for CIA and ESE for various category of courses

S.No	Type / Category	CIA	ESE
1.	Theory	40%	60%
2.	Laboratory Integrated Theory	50%	50%
3.	Laboratory	60%	40%
4.	Project Work / Internship cum Project Work/Mini Project	40%	60%
5. Alternate Assessment Tools, D = TW + SL			
i.	Internship / Industrial Training	100%	---
ii.	Mini-Project	100%	---
iii.	Seminar	100%	---
iv.	Industry Oriented Course	100%	---
6. Mandatory and other courses			
i.	Universal Human Values	100%	---
ii.	Heritage Course	100%	---
iii.	Mandatory Course	100%	---
iv.	NCC / NSS / NSO / YRC	100%	---

12 Research Publication

The student can register for the Research Publication as a value-added course of respective credits with the approval of BoS concerned. A maximum of two students can form a team under the guidance of a faculty member and complete the publication in SCI / SCI expanded / SCOPUS indexed / UGC Care list. Credits for the publication will be awarded as mentioned in Table 13. The students are not allowed to transfer credit for the research

publication. The research publication completed in a semester during study is eligible for including in the grade sheet in the immediate next EVEN / ODD by registering it.

Table 13: Research Publication: Award of Grade

SI.No	Category of Journal	Credits
1.	One Research Publication in SCI/SCI-Expanded Journal	3
2.	One Research Publication in SCOPUS indexed Journal	2
3.	One Research Publication in any Peer reviewed Journal	1

13 MARKS DISTRIBUTION

a. Question paper pattern

Table 14: End Semester Examinations

1 Mark (Objective or any type)	2 Marks	13 Marks	Total Marks
15	10	5 (Either or Type)	100
For Engineering Graphics only			
20 Marks			Total Marks
5 (Either or Type)			100

14 PASSING REQUIREMENTS

- a. A student who secures not less than 50% of total marks prescribed for the course [CIA + ESE] with a minimum of 45% of the marks prescribed for the ESE, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for theory, theory with practical component and practical courses (including project work).
- b. If a student fails to secure a pass in a theory course / theory with practical component / practical course (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the CIA marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (CIA + ESE), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone.
- c. If the course in which the student has failed is a PE or OE course, the student may be permitted to register for the same or any other elective course in the subsequent semesters. If any other PE or OE course is opted by the student, the

previous registration is cancelled and henceforth it is to be considered as a new PE or OE course. The student has to register and attend the classes, earn continuous assessment marks, fulfill the attendance requirements as per clause 7 and appear for the ESE.

- d. If a student fails to secure a pass in project work, the student shall register for the course in the subsequent semester/when offered next and repeat the course.
- e. The passing requirement for the courses which are assessed only through purely internal assessments (CEC courses except Project Work and practical), is 50% of the internal assessment (continuous assessment) marks only

f. Valued Answer Script review by the students

All the students are allowed to review their valued answer scripts with the faculty in-charge of the course on the specified date (usually the reopening day). Any discrepancies in the valuation can immediately be brought to the notice of the CoE through concerned HoD.

g. Revaluation

A student can apply for revaluation by adopting new method for redressal of grievances in evaluation, in a theory course within 2 working days from the date of review of valued answer scripts by the students on payment of a prescribed fee along with prescribed application to the CoE through the HoD. The CoE will arrange for the revaluation and the following procedure is followed in awarding Grade Points after revaluation:

- i. If there is a change from fail to pass for a Candidate in a Course, Grade Point is awarded as per the applicable (relative/absolute) grading.
- ii. If a passed candidate in a course obtains more marks after revaluation, Revised Grading is used only when the candidate gets Higher Grade, otherwise no change in the grade awarded before the revaluation.

The results will be intimated to the student concerned through the HoD within 5 working days from the last date of application of revaluation. Revaluation is not permitted for practical courses, practical component of theory with practical component courses and project work. The new method for redressal of grievances in evaluation is displayed in Table 15 and 16.

h. Photocopy

Photocopies of answer script for theory subjects can be obtained from the office of the Controller of Examinations on payment of a prescribed fee specified for this purpose through proper application.

i. Challenge evaluation

Challenging the revaluation is permitted for those students who have applied for photocopy of answer script. The copy of the answer script is to be valued by a competent authority and the valued script should be submitted to the office

of the CoE along with prescribed fee for challenging the revaluation within 2 working days after the declaration of the Re-valuation results.

Table 15: Grievance Redressal Mechanism

Sl. No.	Redressal Sought	Methodology	
		Regular Exam	Arrear Exam
1.	Revaluation	Apply for viewing of answer booklet and then apply for revaluation after course expert recommendation	
2.	Challenge of Evaluation	Apply for viewing of answer booklet and then apply for revaluation after course expert recommendation. Next apply for challenge of evaluation	

Note: All applications to be made to CoE along with the payment of the prescribed fee.

Table 16: Challenge of Evaluation – Flow Process

Step 1	A student can make an appeal to the CoE for the review of answer scripts after paying the prescribed fee
Step 2	CoE will issue the viewing of answer scripts to the student
Step 3	The faculty who handled the subject will evaluate the script and HoD will recommend.
Step 4	A committee consisting of 2 evaluators appointed by CoE will review and declare the result.
Step 5	If the result is in favour of the student, the fee collected will be refunded to the student.
Step 6	The final mark will be announced by CoE.

15 AWARD OF LETTER GRADES

a. RELATIVE GRADING

Relative grading will be applicable to only those students who have passed the course (Theory, Embedded, CIA only courses) as per the passing requirements listed in Clause (9.5). The marks of only the students who have passed shall be inputted in the software for relative grading. The software normalizes the results using BOX-COX transformation and computes the grade range for each course separately and awards grade to each student

For relative grading to be done the student strength for the course must be greater than 30. However, if the students' strength is less than or equal to 30 then absolute grading system is adopted for converting marks to grades (Table 18). Also, for laboratory / Project work courses absolute grading will be done.

Relative Grading: For reporting the performance of a candidate, letter grades,

each carrying certain number of points, will be awarded as given in **Table16**.

b. ABSOLUTE GRADING:

For the courses in which absolute grading is done, the performance of a candidate is reported as letter grades, each carrying certain number of points, will be awarded as per the mark range given in Table 17, based on the percentage of marks obtained by the candidate in each subject.

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+", "B" C". Reappearance registration is mandatory for that course for which "U", "AB", "SA" is obtained. P and F grades are awarded in a course that the student opts to audit. The audit pass (P) grade is awarded if the student meets attendance requirements as for other credit courses and he/she has obtained at least 50% marks in the CAM. If the stipulated requirements are not fulfilled, the audit fail (F) grade is awarded. The grades obtained in an audit course are not considered in the calculation of SGPA/CGPA.

The performance of a student shall be reported using letter grades, each carrying certain points as detailed below.

Table 17: Grading System

LETTER GRADE	RELATIVE GRADING	ABSOLUTE GRADING	RESULT
	GRADE POINTS	RANGE OF MARKS	
O (Outstanding)	10	91-100	PASS
A+ (Excellent)	9	81-90	
A (Very Good)	8	71-80	
B+ (Good)	7	61-70	
B (Average)	6	56-60	
C (Satisfactory)	5	50-55	
U (Re-appearance)	0	<50	RA (Re-appearance)
SA (Shortage of Attendance)	0	0	RC (Repeat Course)
WD (Withdrawal)	0	0	EA (Extended Appearance)
AB (Absent)	0	0	RA (Re-appearance)
WH (Withheld)	0	0	RA (Re-appearance)
Pass in mandatory-non-credit Audit course	P	>49	Pass
Fail in mandatory-non-credit Audit course	F	<50	Fail

c. GRADING FOR MANDATORY COURSES

Mandatory Courses are courses that are required to be completed to fulfil the degree requirements (e.g., Indian Constitution). These courses will not be taken into consideration for SGPA / CGPA calculations. Each of these courses is assessed continuously for a total mark of 100 with 50% pass mark. Students who fail to pass this course are required to repeat the course, when offered next.

16 GRADE SHEET

- I. Two parameters, Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are used to evaluate the academic performance of the student.
- II. At the end of each semester, the student is given a semester wise grade sheet. This is a consolidated list of courses registered, and grades obtained in that semester along with the appropriate GPA calculation.
- III. The CGPA indicates the overall academic performance of a student and is computed to two decimal places in the same manner as the GPA, except that all the courses registered up to and include the latest completed semester. Grades obtained after successful completion of additional courses, that are not mandatory for minimum requirement for award of degree, shall not be considered for computation of CGPA. However, the results of these courses will be printed only on the grade sheet.
- IV. For the students who have successfully completed the requirements of Honours Degree, grades obtained in the additional courses shall be considered for the computation of CGPA.
- V. For the students who have successfully completed the requirements of Minor Degree, grades obtained in these additional courses shall be considered for the computation of CGPA.
- VI. If the student is absent for the registered course in the ESEs or Viva-Voce Examinations or absent for the assessments in case of courses evaluated only through continuous assessments, this absence shall be considered as an appearance for the purpose of classification of degree.
- VII. After successful completion of the courses as required for the award of degree, as per the curriculum, a consolidated grade sheet shall be printed and issued to all the students through respective HoD.

VIII. After the results are declared, grade sheets will be issued to each student, which will contain the following details:

- The College Name and Affiliating University.
- The list of courses registered during the semester and the grades scored.
- The Grade Point Average (GPA) for the semester.
- The Cumulative Grade Point Average (CGPA) of all courses registered from the first semester onwards.
- On completion of a semester, each student is assigned a GPA which is computed as below for all courses registered for, by the student during that semester.

$$\text{GPA} = \frac{\sum(C_i \times GP_i)}{\sum C_i}$$

where C_i is the credit for a course in that semester and GP_i is the Grade Point earned by the student for that course. The **SGPA** is rounded off to two decimals.

The overall performance of a student at any stage of the Degree programme is evaluated by the **CGPA** up to that point of time.

$$\text{CGPA} = \frac{\sum(C_i \times GP_i)}{\sum C_i}$$

where C_i is the credit for each course in each of the completed semesters at that stage and GP_i is the grade point earned by the student for that course. The **CGPA** is rounded off to two decimals.

a. Formula for Calculating Percentage

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

17 ELIGIBILITY FOR THE AWARD OF DEGREE

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.
- iii. The award of Degree shall be approved by the 'Syndicate'

FIRST CLASS WITH DISTINCTION

A student who satisfies the following conditions shall be declared to have passed the examination in **First Class with Distinction** (Ref Table 17.1.1).

FIRST CLASS

A student who satisfies the following conditions shall be declared to have passed the examination in **First Class** (Ref Table 17.1.2).

SECOND CLASS

Students who pursue B.E./B.Tech. in regular mode or lateral entry mode or B.E./B.Tech. Minor in another discipline and who are not covered in table 17.1.1 & table 17.1.2, who qualify for the award of the degree (vide Clause 14) shall be declared to have passed the examination in **Second Class**.

AWARD OF DEGREE

The Academic Council of the institution will approve the award of Degree to all eligible students. The degree will be issued by Anna University; Chennai and the consolidated Grade Sheet will be issued by the institution. The consolidated grade sheet will specify any specializations and distinctions that the student has earned during the course of the study.

17.1 Classification of the Degree Awarded**17.1.1 First Class with Distinction**

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CGPA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance	Withdrawal from writing ESE (viii)
B.E. / B.Tech. (Regular)	4 years	5 years	-	8.50	First attempt	One-year authorized break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E. / B.Tech. (Lateral Entry)	3 years	4 years	-	8.50	First attempt	One-year authorized break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E. / B.Tech. (Honours)	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from more than one vertical of the same programme	8.50	First attempt	One-year authorized break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E. / B.Tech. minor in another discipline	3/4 years (Lateral entry, Regular, respectively)	4/5 years (Lateral entry, Regular, respectively)	18 credits from any one vertical of the other programme	8.50	First attempt	One-year authorized break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt

17.1.2 First Class

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

17.1.3 Classification with Honours

Cases	Classification	Class
I	8.50 CGPA in Regular curriculum with Honours	First class with distinction
II	7.50 – 8.49 CGPA in Regular curriculum with Honours	First class
III	7.50 – 8.49 CGPA in Regular curriculum with Honours and 8.50 CGPA in Regular curriculum alone.	<p>Student can have two choices</p> <p>a. Either he/she can be classified with First class with distinction provided he/she is willing to drop honours degree.</p> <p style="text-align: center;">OR</p> <p>b. He/she can be classified with first class if he/she is willing to hold B.E./B.Tech with Honours degree.</p> <p>(In both cases students have to submit an undertaking letter)</p>

18 PROVISION FOR WITHDRAWAL FROM EXAMINATION

- 18.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by Head of the Institution) be granted permission to withdraw from appearing for the End Semester Examination in any course or courses in ANY ONE of the semester examinations during the entire duration of the degree programme. The application shall be sent to CoE through the Head of the Institutions with required documents.
- 18.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 10) and if it is made within TEN days after the date of the examination(s) in that course or courses and recommended by the Head of the Institution and approved by the CoE. For a student to withdraw from a course / courses, he/she should have registered for the course, fulfilled the attendance requirements (vide clause 10) and earned continuous assessment marks.
- 18.3 Notwithstanding the requirement of mandatory TEN working days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.
- 18.4 If a student withdraws from writing ESE for a course or courses, he/she shall register for the same in the subsequent semester and write the ESE.
- 18.5 If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only after the submission of project report before the deadline. However, the student may appear for the viva voce examination within 30/60 days after the declaration of results for Project Work and the same shall not be considered as reappearance.

18.6 Withdrawal shall not be considered as an appearance for deciding the eligibility of a student for First Class with Distinction.

18.7 Withdrawal is permitted for the ESE in the final semester as per Clause 7.1.

19 RANKING OF A STUDENT

A candidate who qualifies for the degree by passing the examination in all courses of the entire Programme in first attempt within a period of Four or Five consecutive academic years applicable for the students joined after permitted Break of Study from the date of admission to the Programme can be given his/her position in the class as rank. The Rank is determined from IIIrd semester to VIII semester end semester examination CGPA. Students transferred from other institutions to KIT in III Semester and Lateral entry students are eligible for rank. Students transferred from other institutions beyond III Semester and students with history of arrears during the entire programme are not eligible for rank.

20 PROCEDURE FOR USING SCRIBE

If a candidate is physically handicapped (in case of accidents / ill health) at the time of examination, he/she may be permitted to use a scribe to write the examination. The compensatory (additional) time should be half an hour for three-hour duration of examination. The Scribe shall be a non-engineering student / graduate.

21 FACULTY MENTOR

To help the students in planning their courses of study and for general advice on academic matters, the HoD will attach a certain number of students (maximum 25) to a faculty member of the department. He / She shall function as Faculty Mentor for these students throughout their period of study. The faculty mentor shall,

Advise the students in registering and reappearance registering of courses
Monitor their attendance, academic progress and discipline of the students
Counsel periodically or during the faculty mentor meeting scheduled in the class timetable.

Inform the students about the various facilities and activities available to enhance the students' curricular and co-curricular activities, If necessary, the faculty mentor may also discuss with or inform the parents about the progress of the students through HoD or in Parent-Teacher meeting.

22 CLASS COMMITTEE

The objective of the Class Committee is to improve the teaching-learning process. The functions of the class committee include:

Resolving difficulties experienced by students in the classroom and in the laboratories.

Clarifying the regulations of the degree programme and the details of rules therein.

Discussing the progress of academic schedule and deviations if any.

Evaluating the performance of the students of the class after each test and finding

the ways and means of improvement.

Every class in first year of study shall have a class committee consisting of faculty members who are teaching in that class, student representatives

Cross section of students from boys and girls and a chairperson who is a faculty not handling the course for the class.

From III semester onwards, the Class committee comprises of all the faculty members who are handling courses in that particular semester and two student representatives from each course. A chairperson who is a faculty not handling course for that semester, nominated by the HoD shall coordinate the activities of this committee.

The class committee shall be constituted by the HoD/Chief mentor on the first week of commencement of the semester.

The class committee shall meet three times in a semester as specified in the academic calendar.

The Principal may participate in any class committee meeting of the institution

During these meetings, the representative of the class shall meaningfully interact and express the opinions and suggestions of the other students of the class to improve the effectiveness of the teaching-learning process.

The Chairperson is required to prepare the minutes of the meeting, signed by the members and submit the same to HoD within five working days of the meeting. HoD will in turn consolidate and forward the same to the Principal, within five working days of the meeting.

In each meeting, the action taken report of the previous meeting is to be presented by the Chairperson of the class committee.

23 COMMON COURSE COMMITTEE

A theory course handled by more than one teacher shall have a “Common Course Committee” comprising of all teachers teaching that course and few students who have registered for that course. There shall be two student representatives from each batch of that course. One of the teachers shall be nominated as Course Coordinator by the HoD concerned and duly approved by the Principal. The first meeting of the Common Course Committee shall be held within fifteen days from the date of commencement of the semester. The nature and weightage of the continuous assessments shall be decided in the first meeting, within the framework of the Regulations.

Two or three subsequent meetings in a semester may be held at suitable intervals. During these meetings, the student members shall meaningfully interact and express their opinions and suggestions of all the students to improve the effectiveness of the teaching-learning process. It is the responsibility of the student

representatives to convey the proceedings of these meetings to the whole batch. In addition, the "Common Course Committee" (without the student representatives) shall meet to ensure uniform evaluation of continuous assessments after arriving at a common scheme of evaluation for the assessments. Wherever feasible, the common course committee (without the student representatives) shall also prepare a common question paper for the CIA tests. The question paper for the ESE is common and shall be set by the Course Coordinator in consultation with all the teachers or the external member as appointed by the CoE.

24 DETAILS OF FACULTY PEDAGOGICAL AND STUDENT ASSESSMENT RECORD

Every teacher is required to maintain a Faculty Record Book/ course file consisting of the following details as shown below;

- t Timetable, course syllabus, program outcomes, course outcomes.
- t Details of attendance of each student marked in each theory/practical/project work class.
- t CIA marks, Details of Assignment/ seminar given, course delivery details, corrective and preventive actions on test performance of students and any other additional details.

The record book should be submitted to the HoD periodically (at least three times in a semester) for checking the syllabus covered, the test marks and attendance. The HoD shall put his/her signature and date in the record book after due verification. At the end of the semester, the record book shall be verified by the Principal who will also ensure safe custody of the document for at least four years. The university or any inspection team appointed by the UGC/AICTE may verify the records of attendance.

25 DISCIPLINE

Every student is required to maintain discipline and decorum both inside and outside the institution campus. They shall follow all the rules and regulations and should not indulge in any activity which can tarnish the reputation of the Institution. The Principal shall refer any act of indiscipline by students to the Discipline and Welfare Committee and other appropriate committees for action.

26 PREVENTION OF SEXUAL HARASSMENT (POSH)

POSH Cell is established to ensure a safe and secure working / studying environment for Girls and Women in the Institution. More information about this cell can be accessed through the link available in the website.

27 SC / ST CELL

A separate cell is functioning in the University to safeguard the rights and privileges of the students, belonging to SC / ST category. This cell also informs the students about

the various scholarships and fellowships and encourages them to apply relevant ones.
More information about this cell can be accessed at website.

28 SPECIAL CASES

In the event of any clarification in the interpretation of the above rules and relations, they shall be referred to the Standing Committee. The standing committee will offer suitable interpretations/ clarifications/amendments required for special cases on such references and get them ratified in the next meeting of the Academic Council. The decision of the Academic Council is final.

ANNEXURE - I

COURSE NUMBERING SCHEME

B	2	5	M	E	T	7	0	9
Degree	Regulation	Programme Code		Course Type	Semester	Sequence Number		

<p>Degree: Bachelor Degree (B.E. / B.Tech) - B</p> <p>Regulation: R – 25</p> <p>Department Code</p> <p>AE - Aeronautical Engineering BM - Biomedical Engineering AM - Computer Science and Engineering (AIML) CS - Computer Science and Engineering SC - Computer Science and Engineering (Cyber Security) EE - Electrical and Electronics Engineering EC - Electronics and Communication Engineering EV – Electronics Engineering (VLSI Design and Technology) ME - Mechanical Engineering AD - Artificial Intelligence and Data Science BT - Biotechnology CB - Computer Science and Business Systems CE - Career Enhancement Course EN - English HS - Languages MC - Mandatory Course MA - Mathematics PC – Physical Science</p>	<p>Course Type</p> <p>T - Theory P - Practical / Project / Internship E – Professional Elective / Honours Degree O - Open Elective C - Credit N - Online courses I - Theory cum practical course M – Minor Degree</p> <p>Semester</p> <p>1 - First Semester 2 - Second Semester 3 - Third Semester 4 - Fourth Semester 5 - Fifth Semester 6 - Sixth Semester 7 - Seventh Semester 8 - Eighth Semester</p> <p>Sequence Number</p> <p>00-99</p>
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ANNEXURE - II**GENERAL POLICY ON MALPRACTICES**

- It shall be the endeavor of all concerned to prevent, control and take remedial action to bring about the occurrences of malpractices to “Zero” in Examinations (both Internal and External), Assignments and in all Academic class works.
- Therefore, a comprehensive approach to the malady of malpractice has to be adopted to create a mindset of integrity and honesty, and at the same time take sufficiently stern action to make it clear that such attempts are fraught with comparably very high risk.
- In keeping with this stance, the following measures are to be taken by all concerned, from class room level to the Examination Halls:

A. PREVENTION**a. Class room level:**

All faculty members are involved in the psychological growth of students by personal example and self-respect and strive towards it.

- Developing a sense of honour in the minds of students so that they look down upon earning undeserved marks.
- Imbibing a sense of self-respect and internal dignity that prevents him/her from succumbing to the temptation of easy marks by cheating.
- Generating an awareness of the risks to their character and career if convicted, while also explaining the process and strict rules and regulations adopted by the educational system to prevent malpractice.
- Taking stern view of copied assignments and attempts at malpractices in internal examinations also merits equal seriousness as semester examinations.
- Setting sufficiently strong deterrent rules in place and regulations like intimation to parents and warning to students in the presence of parents etc. even in case of efforts at malpractices in internal tests and/or repeated acts despite warnings in case of assignments also.

Examination Halls

- Detailed instructions on Invigilation, question paper setting and evaluation and such other instructions will be issued for Invigilation, vigilance, which are to be brought to the notice of all students prior to the examinations.

B. PENAL ACTION FOR MALPRACTICES

All instances of malpractice will be forwarded to the Principal / Chief Superintendents. The offences will be investigated by a Standing Enquiry

Committee constituted by Principal, the committee is to summon and give the student an opportunity to present / plead his/her case. The Committee may also summon anybody else, if it so deems necessary for the conduct of enquiry, in the interest of proper investigation and dispensation of the case. The tenure of the committee would be a complete Academic year.

The Committee is to be guided by the following

- The seriousness of the malpractice, in terms of deviousness, and culpability / criminality of motive.
- The seriousness in terms of effort and degree of deviousness and culpability / criminality of effort.
- Any FIR / Police case that has been registered in the first instance by the Principal/ Chief Superintendent.
- Any other special consideration either mitigating or to the contrary.

C. PENALTY FOR OFFENSES

The penalties awarded will depend on the seriousness of the offence. A list of offences and

penalties are placed at **Annexure III**.

The enquiry report with the findings and recommendations of the committee are to be forwarded to the Controller who will undertake necessarily follow-up action. Based on the recommendations of the CoE, the Principal is empowered to award penalties for offences classified as belonging to categories 1 to 7 of the offence table. The cases falling into categories from S.No. 8 onwards are to be put up to the Principal for consideration and award of suitable penalty.

ANNEXURE - III

Sl.No.	Nature of Malpractice	Maximum Punishment
1.	Appeal by the candidate in the answer script to show mercy by way of awarding more than deserving marks.	Fine of Rs. 1000/- per subject.
2.	The candidate is writing his/her name in the answer script.	
3.	The candidate writing his / her registration number / college name in places other than specified in the answer script	
4.	Any special marking in the answer script by the candidate.	

5.	The candidate communicating with neighbouring candidate orally or non-verbally; the candidate causing suspicious movement of his/her body.	
6.	Irrelevant writing by the candidate in the answer script.	
7.	The candidate writes answers on his/her question paper or making use of his/her question paper for rough work.	
8.	The candidate possessing cell phones / programmable calculator(s)/any other electronic storage device(s) gadgets	Invalidating the examination of the subject written by the candidate
9.	The candidate possessing any incriminating material(s) (whether used or not). For example: Written or printed materials, bits of papers containing written information, writings on scale, calculator, handkerchief, dress, part of the body, Hall Ticket, etc.	Invalidating the examination of the subject written by the candidate.

10.	The candidate possessing cell phone(s)/ programmable calculator(s)/any other electronic storage device(s) gadgets and containing incriminating materials (whether used or not).	<p>Invalidating the examination of the subject concerned and all the theory and the practical subjects of the current semester registered by the candidate.</p> <p>Further the candidate is not considered for revaluation of answer scripts of the arrears-subjects.</p> <p>If the candidate has registered for arrears – subjects only, invalidating the examinations of all the arrears – subjects registered by the candidate.</p>
11.	The Candidate possessing the question paper of another candidate with additional writing on it.	
12.	The candidate passes his/her question paper to another candidate with additional writing on it.	
13.	The candidate passing incriminating materials brought into the examination hall in any medium (hard/soft) to other candidate(s).	
14.	The candidate copying from neighbouring candidate.	
15.	The candidate taking out of the examination hall answer booklet(s), used or unused.	
16.	Appeal by the candidate in the answer script coupled with a promise of any form of consideration.	

17.	Candidate destroying evidence relating to an alleged irregularity.	<p>Invalidating the examinations of the subject concerned and all the theory and the practical subjects of the current semester registered by the candidate.</p> <p>Further the candidate is not considered for revaluation of answer scripts of the arrears-subjects.</p> <p>If the candidate has registered for arrears – subjects only, invalidating the examinations of all the arrears – subjects registered by the candidate.</p> <p>Additional Punishment:</p> <p>i. If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for one year, i.e., for two subsequent semesters. However, the student is permitted to appear for the examination in all the arrears-subjects during the debarred period.</p> <p>ii. If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears - subjects for two subsequent semesters.</p>
18.	Vulgar / offensive writings by the candidate in the answer script.	Invalidating the examinations of all the theory and practical subjects of the current semester and all the arrears – subjects registered by the candidate.
19.	The candidate possessing the answer script of another candidate.	
20.	The candidate passing his /her answer script to another candidate.	
21.	Involved in any one or more of the malpractices of serial no. 8 to 21 for the second or subsequent times.	Invalidating the examinations of all the theory and practical courses of the current semester and all the arrears- courses

22.	The candidate substituting an answer sheet prepared outside the examination hall for the one already distributed to the candidate.	<p>registered by the candidate.</p> <p>Additional Punishment:</p> <ul style="list-style-type: none"> i. If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for one year, i.e., for two subsequent semesters. However, the student is permitted to appear for the examination in all the arrears-subjects during the debarred period. ii. If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears - subjects for two subsequent semesters.
23.	The candidate indulges in any disruptive conduct including, but not limited to, shouting, assault of invigilator, officials or students using abusive and / or threatening language, destruction of property.	<p>Invalidating the examinations of all the theory and practical courses of the current semester and all the arrears- courses registered by the candidate.</p> <p>Additional Punishment:</p>
24.	The candidate harasses or engages others to harass on his/her behalf an invigilator, official, witnesses or any other person in relation to an irregularity by making telephone calls, visits, mails or by any other means.	<ul style="list-style-type: none"> i. If the candidate has not completed the programme, he/she is debarred from continuing his/her studies for two years, i.e., for four subsequent semesters. However, the student is permitted to appear for the examination in all the arrears-subjects during the debarred period.
25.	Candidate possessing any firearm/weapon inside the examination hall.	<ul style="list-style-type: none"> ii. If the candidate has completed the programme, he/she is prevented from writing the examinations of the arrears - courses for four subsequent semesters.

26.	Cases of Impersonation	<p>i. Handing over the impersonator to the police with a complaint to take appropriate action against the person involved in the impersonation by the Chief Supt.</p> <p>If a student is found to impersonate a 'bonafide student', the impersonating student is debarred from continuing his / her studies and writing the examinations permanently. He/she is not eligible for any further admission to any programme.</p> <p>Debarring the 'bonafide student' for whom the impersonation was done from continuing his / her studies and writing the examinations permanently. He/she is not eligible for any further admission to any programme.</p>
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APPENDIX - IV

Process to Consider the Application for Revocation of Detainment

The process to consider the application for revocation of detainment on account of lack of attendance in 3 or more courses, due to genuine reasons (viz. sports participation, NCC, Medical Grounds etc.) is as follows:

The student applies for consideration via a request letter to the CoE, not later than 3 days from the last working day, along with the HoD's recommendation, Class Advisor's report and Mentor's recommendation. A committee consisting of the Principal, CoE, HoD (Respective Department) and HoD's-2 from departments other than the student's own. The committee shall meet within 4 working days, to consider the case. Stakeholders may be called to be present in the meeting as may be required, and Decision arrived at. The decision approved by Principal shall be final.

APPENDIX - V**Academic Evaluation Committee (AEC)**

The committee includes the Principal, CoE, HoD concerned. The committee meets to carry out business related to academic matters which require central decision making and approval viz. retest approval of missed CIA, addressing the feedback collected from the various departments' class committee meetings

Department Evaluation Committee (DEC)

The committee includes HoD (need basis), and a few faculty members of the department from various levels. The committee meets to carry out business related to academic matters that can be addressed within the department viz. course equivalence of common courses for readmitted students; approval of new courses to be offered by the department; consider and approve the credit equivalence of courses offered by industry, review the course offerings; consider the merit of applications involving lack of attendance in PE/OE courses to take up another PE or OE; approve CIAM only courses every semester; approve scheme of assessment for each course; Approval for and Mapping credits of certification courses; approval of list of nationally or internationally recognized professional certification courses with prometric testing.