ANNAPOORANA ENGINEERING COLLEGE, SALEM-636308.

(Autonomous)

REGULATIONS 2026

CHOICE BASED CREDIT SYSTEM AND OUTCOME BASED EDUCATION

Common to all B.E. / B.Tech. Programmes

Applicable to the students admitted to B.E./B.Tech. Programmes at Annapoorana Engineering College (Autonomous) from the academic year 2026- 2027onwards.

1. DEFINITIONS AND NOMENCLATURE

In these Regulations, unless otherwise specified:

i. "University" means ANNA UNIVERSITY, Chennai.

ii. "College" means ANNAPOORANA ENGINEERING COLLEGE.

iii. "Programme" means Bachelor of Engineering (B.E.) / Bachelor of Technology (B.Tech.) Degree programme

iv. "Branch" means specialization or discipline of B.E./B.Tech. Degree programme, like Civil Engineering, Information Technology, etc.

v. "Course" means a Theory / Theory cum Practical / Practical course that is normally studied in a semester like Mathematics, Physics etc.

vi. "Credit" means a numerical value allocated to each course to describe the candidate's workload required per week.

vii. "Grade" means the letter grade assigned to each course based on the marks range specified.

viii. "Grade point" means a numerical value (0 to 10) allocated based on the grade assigned to each course.

ix. "Principal" means Principal of Annapoorana Engineering College.

x. "Controller of Examinations (CoE)" means authorized person who is responsible for all examination related activities of the College.

xi. "Head of the Department (HoD)" means Head of the Department concerned.

2. PROGRAMMES AND BRANCHES OF STUDY

The following programmes and branches of study approved by Anna University, Chennai and All India Council for Technical Education, New Delhi are offered by the College.

Programme	Branch
B.E.	Automobile Engineering
	Civil Engineering
	Computer Science and Engineering
	Electrical and Electronics Engineering
	Electronics and Communication Engineering
	Mechanical Engineering
	Bio-Medical Engineering
B.Tech.	Artificial Intelligence and Data Science
	Information Technology

3. ADMISSION REQUIREMENTS

3.1 First Semester Admission

The candidates seeking admission to the first semester of the eight semester B.E. / B.Tech. Degree Programme:

i) Should have passed the Higher Secondary Examination (10 + 2) in the academic stream with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III subjects of the study conducted by the Government of Tamil Nadu or any examination of any other University or authority accepted by the Anna University, Chennai as equivalent thereto.

(OR)

ii) Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu. They should also satisfy other eligibility conditions as prescribed by the Anna University, Chennai, Directorate of Technical Education, Chennai and Government of Tamil Nadu from time to time.

3.2 Lateral Entry Admission

i) The candidates who possess a Diploma in Engineering / Technology awarded by the Directorate of Technical Education, Tamil Nadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. Programme.

(OR)

ii) The candidates who possess a Bachelor of Science (B.Sc.) (10+2+3 stream) with Mathematics as one of the subjects at the B.Sc. level from a recognised University are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. Such candidates shall undergo two additional Engineering course(s) in the third and fourth semesters as prescribed by the College.

They should also satisfy other eligibility conditions prescribed by the Anna University, Chennai, Directorate of Technical Education, Chennai and Government of Tamil Nadu from time to time.

4. STRUCTURE OF PROGRAMMES

4.1 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.

4.2 Categorisation of Courses

Every B.E. / B. Tech. Programme will have a curriculum consisting of theory and practical courses, with prescribed syllabi as categorized below:

i) **Basic Science Courses (BSC)** include courses such as Mathematics, Physics, and Chemistry

ii) **Humanities, Sciences & Management Courses (HSMC)** include English, Employability Skills, Engineering Ethics, Economics and Management courses.

iii) **Engineering Science Courses (ESC)** are the courses relevant to General Engineering.

iv) **Professional Core Courses (PCC)** are the core courses relevant to the chosen discipline.

v) **Professional Elective Courses (PEC)** are the courses which can be chosen from a larger pool of courses and are very specific / specialized/ advanced / supportive to the discipline which nurtures the students' proficiency in the discipline.

vi) **Emerging Technology Courses (ETC)** are the courses on the latest advancements in various fields of engineering and technology.

vii) **Open Elective Courses (OEC)** are elective courses chosen from other disciplines, with an intention to expose the students to interdisciplinary / multidisciplinary / transdisciplinary fields.

viii) **Self-Learning Course (SLC)** is a course to be selected by the students allowing them to be interacting with global network of faculty, peers, and industry experts from anywhere in the world, that facilitates developing an aptitude for life-long learning.

ix) **Industry Oriented Courses (IOC)** are offered to allow students to expand their

knowledge and skills in niche areas and meet the ever- changing arising in the relevant industries, from time to time.

x) **Skill Development Courses (SDC)** are the courses offered to enhance specific abilities and competencies of the students in academic and professional contexts.

xi) **Value Added Courses (VAC)** are the courses not prescribed in the respective curriculum, but are offered to the students to provide additional value to the programme, for enhancing the knowledge and skills of the student. Completion of these course(s) is / are not mandatory for successful completion of the programme.

xii) **Off Campus Courses (OCC)** are the courses that can be undergone by the student, offered by other institutions.

xiii) **Mandatory Courses (MC)** are the courses which encompass a wide range of areas, from arts, and humanities to the sciences and technology, by and large, adds value to the programme of study

4.3 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes, which are listed below. The students shall undergo training for the specified number of hours as specified in the relevant programmes (50/100 hours and/or attend a camp as applicable). The training shall include classes on hygiene and health awareness and also training in first- aid too.

(a) National Service Scheme (NSS) will have social service activities in and around the College/Institution.

(b) National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.

(c) Youth Red Cross (YRC) will have activities related to social services in and around College/Institutions.

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

(d) Sustainable Development Goals – Activity Programme Points In line with AICTE activity point programme, the following activities are included to the students and they need to fulfil the requirements for obtaining their degrees. These activities may be carried out by the students in teams. AICTE recommends 300 to 400 hrs of activity during the entire programme of study. Hence, a student shall perform the activity for a duration of 75 to 100 hrs in a year (2 semesters).

Here 40-45 hrs. is considered as 1 week. This activity has to be carried under the nomenclature AEC

These activities shall be coordinated by NSS/YRC/ SDG/club coordinators/Sports coordinators or by the T&P Cell of the institute.

Table 4.3 Clubs

Technical	Service Oriented	Skill Building	Hobbies
Coders Club	Environmental Club	English Literature Club	Tamil Mandram
Science and innovation Club	NSS	RJ Club	Fine Arts Club
	Anti-Drug Club	Standards Club	Trekking Club
		Yoga Club	Sports Club
			Cooking Club

4.4 Mandatory One Week Induction Programme

The students should undergo a mandatory one week induction programme comprising of yoga class, nurturing various human traits like trust, commitment, gratitude, care, humanity, responsibility, dedication, respect, self-confidence, creativity, happiness, affection etc., universal human values, proficiency modules, lectures by eminent people, visits to local areas and familiarization to department/branch and innovations immediately after the college commences for the I year.

4.5 Number of Courses per Semester

The curriculum in each semester shall normally have a blend of theory courses, theory with Laboratory components not exceeding 8 and Laboratory courses, Laboratory with theory components and Skill Development Course(s) not exceeding 4. Each Employability Enhancement Course may have credits assigned as per clause 4.6. However, the total number of courses per semester shall not exceed 12.

Amendment in 8th ACM on 22.07.2026

4.6 Credit Assignment

Each course is assigned certain number of credits as follows:

Contact period per week	Credits
1 Lecture / Tutorial Period	1
2 Practical Periods	1
2 Project Work Periods	1
40 Training / Internship Periods	1
Four weeks duration of SWAYAM-NPTEL	1

The minimum number of credits to complete the B.E./B.Tech. programme is 170.

4.7 Industrial Training / Internship

The students may undergo industrial training / internship at industry / research

organizations / educational institutions for the prescribed period in the curriculum during summer vacation

4.8 Value Added Courses

Students may enroll in Value Added Courses offered by the departments in addition to the courses outlined in the curriculum. The credits earned from these Value Added Courses will be considered supplementary and will not count towards the total credit requirements for the degree. Departments may offer value added courses for one credit each, subject to prior approval from the concerned Board of Studies. Prior to the commencement of any Value Added Course, the department must submit the approved course syllabus, timetable and details of the faculty members involved, to the Director -Academics and the Controller of Examinations. While the credits earned from these optional courses will not be included in the calculation of GPA or CGPA, they will be recorded in both semester grade sheet and in the consolidated statement of grades.

4.9 Industrial Visit

Every student is required to go for at least one Industrial Visit in second and third year of the Program. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.10 Online courses

- Students can register maximum 3 online courses and earn 9 credits during the fifth, sixth and seventh semester period, relevant to their Program approved by the Head of the Department from time to time.
- A student can drop any three 3 credit course from PE or OE category of V, VI or VII semester, if he/ she successfully completes online course with 3 credits (which are provided with certificates)

Amendment in 8th ACM on 22.07.2026

- The number of courses that can be registered shall not exceed 'ONE' per semester
- The entire online course offered by SWAYAM, Ministry of Human Resource Development (MHRD) portal, NPTEL Courses, Spoken Tutorials, as well as those offered by reputable Central and State-funded universities ranked in the top 100 of the latest NIRF rankings and courses from universities abroad ranked in the top 500 of the QS rankings over the last three years are approved. Additionally, courses offered by industry partners with signed MoUs with the college are also approved. Other online courses must be evaluated and approved by the respective Board of Studies. Suitable Online courses relevant to PE/OE to be dropped shall be chosen from approved portal.
- Students who undergo 12 weeks of online courses can earn 3 credits.
- Department Advisory Committee (DAC) shall monitor the progress of the student and performance in the online course. The student may be exempted from undergoing one PE or OE only after successful completion of the online course and submission of the certificate. Based on the marks obtained in the online certification exam an equivalent grade will be recommended by the Office of Controller of Examinations.

- Online courses relevant to the professional core courses offered in the curriculum of the same Programme shall not be considered for the credit transfer.
- For the selection of Online course, repetition of the course studied or to be studied in their four-year degree Programme shall be avoided.
- Students can earn maximum of additional 6 credits in online mode out of 18 credits to be earned for Honours and minor specialization as approved by Chairman of the concerned Board of Studies from time to time

4.11 Medium of Instruction

The medium of instruction is ENGLISH for all courses (except Heritage of Tamil and Tamils and Technology.), examinations, seminar presentations and project/thesis/dissertation reports (except foreign language courses).

5. DURATION OF THE PROGRAMME

5.1 A student is ordinarily expected to complete the B.E./B.Tech. Programme in 8 semesters (for HSC Students) and six semesters (for Lateral Entry students).

5.2 After programme completion if there are any arrear course(s) a student shall be permitted to successfully complete the same within 14 Semesters for HSC (or equivalent) candidates and 12 semesters for Lateral Entry Candidates.

5.3 Each semester shall normally consist of 75 working days or 525 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5.4 The Head of the Department may conduct additional classes for improvement, special coaching, conduct model tests etc., over and above the specified periods, with due approval from the Head of the Institution.

But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 7) by the students, the following method shall be used.

$$Percentage\ of\ Attendance = \frac{Actual\ No.of\ Classes\ Attended}{Total\ No.of\ Classes\ Conducted}\ X\ 100$$

The End Semester Examination will ordinarily follow immediately after the last working day of the semester commencing from I semester as per the academic schedule prescribed from time to time.

5.5 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 20) in order that he/she may be eligible for the award of the degree (vide clause22).

6. COURSE REGISTRATION FOR THE EXAMINATION

6.1 Registration for the end semester examination is mandatory for courses in the current semester as well as for the arrear courses failing which the candidate will not be permitted to move on to the higher semester. This will not be applicable for the courses, which do not have an end semester examination.

6.2 The courses dropped in earlier semesters can be registered in the subsequent semesters.

6.3 If a candidate is prevented from writing end semester examination of a course due to lack of attendance, the candidate has to attend the classes, when offered next, and fulfill the attendance requirements as per clause 7 and earn continuous assessment marks. If the course, in which the candidate has a lack of attendance, is an elective, the candidate may register for the same or any other elective course in the subsequent semesters and that will be considered as an attempt for the purpose of classification.

6.4 A candidate shall register for the additional courses for getting the Honours degree from fifth semester onwards.

6.5 Professional elective courses shall be selected in the specialized groups given as verticals. Students shall choose the courses from various Verticals as specified in the respective curriculum. A student can choose all the Professional Elective Courses either from one of the verticals or a combination of courses from more than one vertical in a semester. Minimum registration of 10 students is required to offer a professional elective course and open elective course. This minimum registration of students is not applicable for offering the courses under B.E. / B. Tech. (Hons) and B.E. / B. Tech. Minor Degree

6.6 Students shall register for courses in a semester, with maximum credit limit of 36 per semester that includes courses registered for Honours / Minor Degree programmes & Shortage of Attendance.

6.7 A student shall not re-register for the courses, which are successfully completed by the student, for any reason(s) whatsoever.

7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1 A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, he/she shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.4.

7.2 However, a candidate who secures overall attendance between 65% and 75% in the current semester due to medical reasons (prolonged hospitalization/accident/specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition

that the candidate shall submit the medical certificate/sports participation certificate attested by the Director - Academics. The same shall be forwarded to the Controller of Examinations for record purposes. This concession can be availed only for any four semesters during the entire course of the study.

7.3 Candidates who secure less than 65% overall attendance and candidates who do not satisfy the clause 7.1 and 7.2 shall not be permitted to write the End Semester Examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

7.4 A student who has not satisfied the attendance requirement as per clauses from 7.1 to 7.3 & 5.4, but having at least 50% of attendance in every course of that semester can appeal to the Head of the Institution or his nominee, for proceeding to the next higher semester. The Head of the Institution will appoint a committee for examining these appeals. Based on the recommendations of the committee, the Head of the Institution will take a final decision on the appeal by the student.

8. CLASS ADVISOR AND FACULTY MENTOR

8.1 **Class Advisor**

Each class of students belonging to all the three years has a Class Advisor (CA) who is a regular faculty member of the department. The Head of the Department (HOD) will appoint CAs for all the classes in their department. The CAs will hold the responsibility for three years of the same batch of students until the completion of the programme. The CAs will maintain all records of the class of students assigned to them and generally counsel them on maintaining good attendance, discipline and academic performance.

8.1 **Faculty Mentor**

In order to facilitate the students' progress and welfare, the Head of the Department will allocate a fixed number of students to a teaching faculty of the department who shall function as Mentor for them throughout their period of study. Each tutor will have a maximum of 20 students allotted to him/her. The responsibilities of the Mentor are:

- Advice students in course registration, monitor their attendance and academic performance and counsel them periodically.
- If necessary, the Mentor may also discuss with, or inform the parents about the progress of the student concerned.
- Mentor shall maintain a record of each of his/her wards, which shall contain information about the students' attendance, grades obtained in the End Semester Examinations, Continuous Internal Assessment Tests, achievements if any in Curricular, Co-curricular and Extra- curricular activities, medical history and disciplinary proceedings if any, taken against the student.
- Mentors shall organize meetings with their Mentees in every semester, to keep track of their academic progress and to solve grievances if any and minute the same in the record.
- Mentor shall coordinate with class advisor for close monitoring of their wards and to provide support to prepare academic records.

9. COURSE COMMITTEE FOR COMMON COURSE

Each common theory course offered to more than one discipline or group shall have a "Course Committee" comprising all the faculty members teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the concerned course HoD depending upon whether all the faculty members teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet as often as necessary and ensure uniform evaluation of the tests through a common evaluation scheme. Wherever it is feasible, the Course Committee may also prepare a common question paper for the continuous internal assessments.

10. CLASS COMMITTEE

10.1 Every class shall have a Class Committee constituted by the respective Head of the Department. The class committee comprises of class advisor, Mentor, faculty members handling the class concerned, student representatives and a chairperson who is not teaching the respective class. It is formed with the overall goal of improving the teaching- learning process. The functions of the Class Committee include

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein.
- Informing the student representatives about the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives, the details of regulations regarding weightage used for each assessment. In the case of practical courses (Laboratory experiments / Engineering drawing/project work/seminar/Internship etc.), the breakup of marks for each experiment/exercise/ module of work, should be clearly discussed in the Class Committee meeting and informed to the students.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying slow learning students, if any, and requesting the faculty members concerned to provide some additional help or guidance or coaching to such students.

10.2 The Class Committee for a class under a particular branch is normally constituted by the Head of the Department However, if the students of different branches are mixed in a class (like the first semester, which is generally common to all branches), the class committee is to be constituted by the Head of the Institution.

10.2 The class committee shall be constituted within the first week of each semester.

10.3 At least 6 student representatives (usually 3 boys and 3 girls) shall be included in the Class Committee.

10.4 The Chairperson (a senior faculty member from the department) of the class committee shall invite the class Advisor, Mentors and the HoD to the meeting of the Class Committee. The Head of the Institution may participate in any class Committee meeting of the institution.

10.5 The Chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it

among the students and faculty members concerned. If there are any points requiring support and action from the management, the same shall be brought to the notice of the management by the Head of the Institution.

10.6 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments with in the framework of the Regulations. Two subsequent meetings may be held in a semester at suitable intervals. During these meetings, the student members representing the entire class shall meaningfully express the opinions and suggestions of the other students of their class to improve the effectiveness of the teaching-learning process.

11. DEPARTMENT ADVISORY COMMITTEE (DAC)

All departments shall constitute a Department Advisory Committee (DAC) consisting of the HoD as Chairperson and 10% of senior faculties. The roles and responsibilities of the DAC is as follows,

i) Study and suggest improvement in all the academic activities of the department.

ii) Suggest initiatives to enhance employability skill sets.

iii) To review and approve industries or other organizations identified for industrial training, internship or project work of students.

iv) Approve online/elective courses selected by students for the content and quality.

v) Introduce best practices for the attainment of POs/PEOs

vi) Suggest the equivalence of courses (addition/deletion of courses) to be studied for the transfer students from different regulations.

12. ASSESMENT AND EXAMINATION PROCEDURE FOR AWARDING MARKS

12.1 Performance in each course of study shall be evaluated based on
(i) Continuous Internal Assessments (CIA) throughout the semester and
(ii) End Semester Examination (ESE) at the end of the semester except for the courses, which are evaluated, based on continuous assessment only. Each course shall be evaluated for a maximum of 100 marks as shown below

Table 12.1 -Evaluation pattern of various Course

S. No.	Category of Course	Continuous Assessments Marks	End-Semester Examinations Marks
1.	Theory	40	60
2.	Laboratory Integrated Theory	50	50
3.	Laboratory/ SD	60	40
4.	Project Work / Internship cum Project Work	50	50

5.	Internship / Industrial Training	100	---
6.	Mini-Project	100	---
7.	Laboratory Integrated Theory / SD (IOC only)	60	40

12.2. The End semester examinations of 3 hours duration shall be conducted for 100 marks as the maximum.

12.3. For the End semester examinations in both theory and practical courses including project work, the Controller of Examinations shall appoint the internal and external examiners.

13. PROCEDURE FOR AWARDING MARKS FOR CONTINIOUS INTERNAL ASSESMENT (CIA)

13.1 Theory Course

- For theory courses specified in the curriculum, out of 100 marks, the maximum mark for Continuous Internal Assessment is 40 and the End Semester Examinations are 60.
- The continuous internal assessment marks are awarded as per the procedure as follows.
- Continuous Internal Assessments comprises of three internal assessment, Assignment, Quizzes / Online Test / Case Study and Presentation / Tutorial. The Corresponding weightage is shown in the following table.

Table 3.1a -Internal Assessment Evaluation Components for Theory Courses

Particulars	**Syllabus**	**Duration**	**Max Marks**	**Weightage (Marks reduced to)**
Continuous Internal Assessment - I	2 Units	1 hr 30 mins	50	25
Continuous Internal Assessment - II	2 Units	1 hr 30 mins	50	
Continuous Internal Assessment - III	5 Units	3 hrs	100	
Assignment	Assignments covering all Course Outcomes		50	5
Presentation / Tutorial / Case studies /Quiz / Online Test/Class notes			50	5
Attendance			-	5
Total Marks				**40**

The attendance marks will be calculated course wise for internal assessment. The mark split-up for the same shall be as follows:

Table 3.1b – Attendance marks

Attendance (%)	75 – 80%	81 – 85%	86 – 90%	Above 91%
Marks	1	2	3	5

13.2 Laboratory Integrated Theory Courses

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

Table 13.2- Weightage for Internal and External Assessment for LIT Courses

L	T	P	C	Internal Assessment	External Assessment
2	0	2	3	Theory (25%) Laboratory (25%)	Theory (25%) Laboratory (25%)
3	0	2	4	Theory (25%) Laboratory (25%)	Theory (35%) Laboratory (15%)

13.3 Laboratory Course

- For laboratory courses specified in the curriculum, out of 100 marks, the maximum mark for Continuous Internal Assessments is 60 and the Semester End Examinations is 40.
- Every laboratory exercise / experiment shall be evaluated based on the student performance during the laboratory class and the student's laboratory records. The corresponding weightage is shown in the following table.

Table13.3 -Internal Assessment Evaluation Components for Practical Courses

Parameter	Marks
Pre lab preparation	20
Conduct of experiment	25
Calculations, Result	20
Viva-voce	10
Total	75

Average of all Experiments	75 (rounded to the nearest integer)
Model Practical Examination	100 (To be scaled down to 25 Marks)
Continuous Internal Assessment Marks	75+25 = 100 Marks (To be scaled down to 60 Marks)

13.4 Project Work

- Project work shall be assigned to a single candidate or to a group of candidates not exceeding 4 candidates in a group. The project work is mandatory for all the candidates.
- The Head of the Department shall constitute review committee for project work. There shall be two assessments by the review committee during the semester. The candidate shall make presentation on the progress made by him/her before the committee.
- The continuous assessment and end semester examination marks for Project Work I/ Project Work II Phase I /Project Work II Phase II and the Viva-Voce Examination shall be distributed as below.

Table.13.4 -Internal Assessment Evaluation Components for Project Work

Continuous Assessment (Max. 50 Marks)						End Semester Examination (Max. 50 Marks)			
Zeroth Review		Review I (Max..20Marks)		Review II (Max.30Marks)		Report Evaluation (Max. 20 Marks)	Viva - Voce (Max.30Marks)		
Rv. Com	Super visor	Review Committee (excluding supervisor)	Super visor	Review Committee (excluding supervisor)	Super visor	Exr. 1	Super visor	Exr.1	Exr.2
0	0	10	10	15	15	20	10	10	10

- The Project Report prepared according to approved guidelines and duly signed by the Supervisor shall be submitted to Head of the Department. The candidate(s) must submit the project report within the specified date as per the academic schedule of the semester. If the project report is not submitted within the specified date, the candidate is deemed to have failed in the Project Work and redo it in the subsequent semester.
- If a candidate fails to secure 50% of the continuous assessment marks in the project work, he / she shall not be permitted to submit the report for that particular semester and shall have to redo it in the subsequent semester and satisfy the attendance requirements.
- The end semester examination of the project work shall be evaluated based on the

project report submitted by the candidate in the respective semester and viva-voce examination by a committee consisting of two examiners and supervisor of the project work.

- If a candidate fails to secure 50 % of the end semester examination marks in the project work, he / she shall be required to resubmit the project report within 30 days from the date of declaration of the results and a fresh viva-voce examination shall be conducted as per clause 13.4.6
- A copy of the approved project report after the successful completion of viva-voce examination shall be kept in the department library.

13.5 Summer Internship / Industrial Training / (one credit)

13.5.1 Summer Internship

- After completion of the IV Semester, the student may undergo Summer Internship / Industrial Training after getting prior permission from HoD.
- Internship and in-plant training in relevant organization / institutions shall be provided to the students in line with the course they go through in the curriculum.
- Duration of the training will be two weeks during summer vacation.
- Proof for the participation along with satisfactory completion certificate obtained from the organization concerned is mandatory.
- Continuous Internal Assessment procedure for the summer internship and industrial training specified in curriculum is described below and reappearance is mandatory, in case of failure.
- Summer internship and industrial training will be treated as credit course and will be assessed as a quantitative measure of achievement based on Assessment Scale of 100%:
    - Evaluation of report given by the student (40%)
    - Student's presentation (40%)
    - Oral Examination (20%)
- The final evaluation will be made based on the student report and a Viva - Voce Examination, conducted by a three-member panel constituted by the Head of the Department & Office of Controller of Examinations, in which at least one member has not less than eight years of teaching experience.
- The final evaluation report of these courses shall be submitted by HoD to Head of the Institution for approval and forwarded to Controller of Examinations for entry in grade sheet.

13.6 Non-Credit Courses

13.6.1 For these courses, comments like Excellent, Very Good, Good, Satisfactory and Not-Satisfactory will be given as qualitative measures of achievement.
Assessment Scale: (fixed by the respective HODs to a maximum of 100 marks). Below 45 %- Not Satisfactory, 45 % to 59 %-Satisfactory, 60 %to 74 %- Good, 75 % to 89 %- Very Good, 90 % to 100 %- Excellent

14. REQUIREMENTS FOR APPEARING THE END SEMESTER EXAMINATIONS

14.1 A candidate shall normally be permitted to appear for the ESE for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (subject to Clause 7).

14.2 Registration is mandatory for current semester examinations as well as for arrear examinations, failing which the candidate will not be permitted to move to the higher semester.

14.3 A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

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

15. PASSING REQUIREMENTS

15.1 A candidate who secures not less than 50% of total marks prescribed for the course [Continuous internal assessment (CIA) + End semester examinations (ESE)] with a minimum of 45% of the marks prescribed for the end-semester examinations, shall be declared to have passed the course and acquired the relevant number of credits. The applicable proportion of these marks is mentioned in Table 15.1.

Table15.1:Passing Requirements

	CIA minimum	**ESE minimum**	**Over all Passing**
Theory	50%	45%	50% (CIA and ESE together)
Practical	50%	45%	50% (CIA and ESE together)
Project	50%	50%	50% (CIA and ESE together)
Theory with Laboratory component	50%	45%	50% (CIA and ESE together)
Laboratory with Theory component	50%	45 %	50% (CIA and ESE together)
Online Course			50% (CIA and ESE together)

15.2 If a candidate fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination for that course during the subsequent semester when examination is conducted for that course. He/she should continue to register and reappear for the examinations in the failed subject still he/she secures a pass.

15.3 The internal assessment marks obtained by the candidate in the first appearance shall be retained and considered valid for next three attempts. From fourth attempt onwards, the candidate shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the end semester examinations alone.

15.4 The passing requirement for the courses which are assessed through internal assessments (SD courses except project work), can be 50% of the internal assessment (continuous assessment) marks.

15.5 For students scoring less than the passing minimum marks in the semester end examinations, the term "RA" against the concerned course will be indicated in the grade sheet. The student has to reappear in the subsequent examinations for the concerned course as arrears.

15.6 For a student who is absent for theory / practical / project viva- voce, the term "RA*" will be indicated against the corresponding course. The student should reappear for the semester end examination of that course as arrear in the subsequent semester.

15.7 The letter grade "W" will be indicated for the courses for which the student has been granted authorized withdrawal (refer clause 21).

15.8 For theory courses with laboratory component, following requirement to be satisfied in the semester end examination for getting pass grade.

<table>
<tr><th>Theory</th><th>Laboratory</th><th colspan="2">Status</th></tr>
<tr><td>Pass</td><td>Pass</td><td colspan="2">Pass</td></tr>
<tr><td>Fail</td><td>Pass</td><td>Fail</td><td rowspan="5">Re-appearance required for both Theory and Laboratory component of the concerned course</td></tr>
<tr><td>Pass</td><td>Fail</td><td>Fail</td></tr>
<tr><td>Absent</td><td>Pass/Fail</td><td>Fail</td></tr>
<tr><td>Pass/Fail</td><td>Absent</td><td>Fail</td></tr>
<tr><td>Absent</td><td>Absent</td><td>Fail</td></tr>
</table>

15.9 A student shall apply for review of the result in any subject(s), he/she can submit are view application to the CoE office along with the payment of prescribed fees. A committee consisting of the Head of the Department, concerned course instructor and a subject expert (Internal/External) nominated by the HoD will review and give its recommendations to the CoE. If the student secures any change in the grade, the review fees will be refunded. Review is not permitted for laboratory course(s) and project work.

16. ARREAR EXAMINATIONS

Students who fail in the end semester examinations with RA grade and absentees can appear for the exam in the subsequent semesters. Arrear examinations shall be conducted along with the regular examinations.

17. PHOTOCOPY/ REVALUATION

17.1 A student when not satisfied with the evaluation can apply for revaluation after consulting with the course faculty and HoD. Revaluation can be applied only for theory courses.

17.2 The student should pay for getting photocopy of the answer script / revaluation as decided by the Finance Committee.

17.3 Candidates who apply for photocopy of answer scripts only will be eligible for applying for revaluation.

17.4 Students can get the photocopy of the valued theory answer scripts after the publication of semester examination results (not for practical courses, project work, all one credit courses). It can be revalued and based on the same, the grade can get changed and if there is no change, the status NC grade shall be maintained. The grade that is obtained from the revaluation process is found to be better, then that grade will be retained as the final grade, else the earlier grade shall be retained as the final grade.

17.5 A candidate can apply for revaluation of answer scripts for not exceeding 3 subjects at a time.

17.6 The entire revaluation process must be completed within four weeks from the date of publication of results.

18. REVIEW REVALUATION

Candidates not satisfied with Revaluation can apply for Review of the revaluation within the prescribed date on payment of a prescribed fee through proper application to Controller of Examinations.

19. WITHDRAWAL FROM EXAMINATION

19.1 A student may, for valid reasons, and on prior application, may be granted permission to withdraw from appearing for one or more consecutive examinations in a semester. Such withdrawal shall be permitted only once during the entire period of study of the degree programme based on the recommendations given by the Head of the Department and Head of the Institution with required documents.

19.2 Withdrawal application is valid only if it is submitted within TEN days prior to the commencement of the examinations as recommended by the Head of the Institution and approved by the Controller of Examinations.

19.3 In extraordinary conditions, the TEN days requirement stated above shall be waived at the discretion of the Head of the Institution based on the merit of the case.

19.4 However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.

19.5 If a student withdraws from writing end semester examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the end semester examination(s).

19.6 Withdrawal essentially requires the student to register for the course/courses. In the case of withdrawal, the same will be appropriately reflected in the Grade Sheets.

19.7 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 I and II respectively and the same shall not be considered as reappearance.

20. PROVISION FOR AUTHORIZED BREAK OF STUDY

20.1 A student is permitted to opt for break of study for a maximum period of one year only in a single spell.

20.2 Break of Study shall be granted only once for valid reasons during the entire period of study of the degree programme. However, in extraordinary situation the student may apply for additional break of study not exceeding another one year. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he/she applies to the DOTE, Affiliating University, through the Head of the Institution stating the reasons there of and the probable date of rejoining the programme. However, if the candidate has not completed the first semester of the programme, Break of Study will be considered only on valid medical reasons.

20.3 The candidates permitted to rejoin the programme after break of study, shall be governed by the Curriculum and Regulations in force at the time of rejoining. Students rejoining in new Regulations should appear for additional courses if any, as prescribed by Department Advisory Committee so as to bridge the curriculum in-force and the old curriculum. In such cases, the total number of credits to be earned by the student may be more than or equal to the total number of credits prescribed in the curriculum in force.

20.4 The authorized break of study would not be counted towards the overall duration for completing the degree.

20.5 All the norms are liable to change upon the terms of the affiliated university.

20.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study'

21. AWARD OF GRADES

All assessments of a theory course will be evaluated on a marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying a certain number of points, will be awarded as per absolute grading obtained by the candidate in each course.

21.1 The grades and corresponding grade points are given in Table 21.1.

Table 21.1 – Grades and Grade Points

Grade	Description	Grade Points
S	**Outstanding**	10
A+	**Excellent**	9
A	**Very Good**	8
B+	**Good**	7
B	**Above Average**	6.5
C+	**Average**	6
C	**Satisfactory**	5
U	**Re-appearance**	0
SA	**Shortage of Attendance**	0
WC	**Withdrawal of Course**	0

21.2 Absolute grading system shall be followed for all category of courses. Range of marks for corresponding grades is presented in Table 21.2.

Table 21.2 – Range of Marks for Grades

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

21.2 a NPTEL / SWAYAM courses, the corresponding range of marks for each grade is presented in Table 21.2a

Table 21.2a – Range of Marks for grading of NPTEL courses

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

Amendment in 8th ACM on 22.07.2026

Calculation of Grade Point Average (GPA) / Cumulative Grade Point Average (CGPA)

21.3 Two parameters, Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) are used to evaluate the academic performance of the student.

21.4 The GPA is the weighted average of the grade points obtained in all the courses registered by the student during the semester. For example, if a student passes five courses (Theory / Laboratory / Project / Seminar etc.) in a semester with credits C1,

C2, C3, C4 and C5 and the students' grade points in these courses are g1, g2, g3, g4 and g5 respectively, then GPA of the student is calculated as:

$$\text{GPA} = \frac{(\text{C1xg1}) + (\text{C2xg2}) + (\text{C3xg3}) + (\text{C4xg4}) + (\text{C5xg5})}{(\text{C1} + \text{C2} + \text{C3} + \text{C4} + \text{C5})}$$

21.5 At the end of each semester, the student is given with a semester wise grade sheet. This is a consolidated list of courses registered and grades obtained in that particular semester along with the appropriate GPA calculation.

21.6 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 including 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, results of these courses will be printed only in the grade sheet.

21.7 For the students who have successfully completed the requirements of Honours Degree, grades obtained in the additional courses / Capstone Design Project shall be taken into account for the computation of CGPA.

21.8 For the students who have successfully completed the requirements of Minor Degree, grades obtained in these additional courses shall be taken into account for the computation of CGPA.

21.9 If the student is absent for the registered course in the End Semester Examination(s) 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.

21.10 If a student opts to drop PE Courses(s) as per the Clause 6.2, this appearance in the particular PE Course shall be considered as an appearance for the purpose of classification of degree.

21.11 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.

21.12 The percentage of marks shall be printed in the consolidated grade sheet from the CGPA earned using,

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

22 ELIGIBILITY FOR AWARDING DEGREE

A student shall be eligible for the award of the degree only if he/she:

22.1 Has undergone the prescribed Program of study by earning the minimum total Number of credits specified in the curriculum of the relevant Program of study within

the maximum duration prescribed (clause 5.2).

22.2 Should have no disciplinary action pending against him/her including Malpractices in examinations.

22.3 Should have successfully completed all Mandatory Courses.

22.4 The award of Degree must have been approved by the Syndicate of the University

22.5 B.E./ B.Tech.(Hons)

- The student should have earned additionally a minimum of 18 credits from more than one vertical in the professional elective stream of the same Program.
- Should have passed all the courses in the first attempt
- Should have earned a minimum CGPA of 7.50.

22.6 B.E./ B.Tech.(Hons) Specialization in the same discipline

- The student should have earned additionally a minimum of 18 credits from any one of the vertical in the professional elective stream of the same Program.
- Should have passed all the courses in the first attempt.
- Should have earned a minimum CGPA of 7.50.

22.7 B.E./B.Tech.(minor in other specialization)

- The student should have earned additionally a minimum of 18 credits from any one of the vertical in the professional elective stream of the other Program.
- Should have earned a minimum CGPA of 7.50

22.8 B.E./ B.Tech. (Hons)Specialization in the same discipline, B.E/B.Tech. Honors and B.E./B.Tech. Minor in other specialization degree will be optional for students.

22.9 For the categories mentioned in clause 22.5 and 22.6, the students will be permitted to register the courses from V Semester onwards provided the marks earned by the students until IV semester should be of CGPA 7.50 and above and cleared all the courses in the first attempt.

22.10 For the category mentioned in clause 22.7, the students will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester IV is CGPA 7.50 and above and cleared all the courses.

22.11 If a student decides not to opt for Honours, after completing certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the mark sheet, however, they will not be considered for calculation of CGPA.

22.12 If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the mark sheet, however, they will not be considered for calculation of CGPA.

22.13 Student earned additional 18 credits as per clause 22.5 and 22.6, but does not satisfy the conditions mentioned in clause 22.1 and 22.2 shall not be awarded B.E./B.Tech. (Hons). In such cases the mark sheet will show the additional courses studied and those courses shall not be considered for CGPA computation. In such case if the student becomes eligible for First Class, while computing CGPAwithout taking into account the additional course studied, the student shall be awarded B.E. / B.Tech. in First Class only.

23 AWARD OF DEGREE

23.1 First Class with Distinction

23.1.1 B.E. / B.Tech. (Regular/Lateral)

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

a) Should have secured a CGPA of not less than 8.50.

b) Should have passed the examination in all the courses of all the 8 semesters/6 semesters in the case of Lateral Entry in the students, First Appearance within the prescribed duration (clause 5.1). Withdrawal from examination will not be considered as an appearance.

c) One-year authorized break of study (if availed) is included inthe four years/ three years in the case of lateral entry for award of First class with Distinction.

d) Should not have been prevented from writing end semester examination due to lack of attendance in any semester.

23.1.2 B.E. / B.Tech. (Hons)

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

a) Should have secured a CGPA of not less than 8.50.

b) Should have earned additional 18 credits above the requirement of curriculum from more than one vertical in the professional elective stream of the same programme.

c) Should have passed the examination in all the courses (including additional 18 credits above the requirement of curriculum) of all the 8 semesters/6 semesters in the case of Lateral Entry in the students, First Appearance within prescribed period (clause 5.1). Withdrawal from examination will not be considered as an appearance.

d) One-year authorized break of study (if availed) is included inthe four years/ three years in the case of lateral entry for award of First class with Distinction.

e) Should not have been prevented from writing end semester examination due to lack of attendance in any semester.

23.1.3 B.E. / B.Tech. (Hons) Specialization in the same discipline

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

a) Should have secured a CGPA of not less than 8.50.

b) Should have earned additional 18 credits above the requirement of curriculum from any one vertical in the professional elective stream of the same programme.

c) Should have passed the examination in all the courses (including additional 18 credits above the requirement of curriculum) of all the 8 semesters/6 semesters in the case of Lateral Entry in the students, First Appearance within prescribed period (clause 5.1). Withdrawal from examination will not be considered as an appearance.

d) One-year authorized break of study (if availed) is included inthe four years/ three years in the case of lateral entry for award of First class with Distinction.

e) Should not have been prevented from writing end semester examination due to lack of attendance in any semester.

23.1.4 B.E. / B.Tech. (minor in other specialization)

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

a) Should have secured a CGPA of not less than 8.50.

b) Should have earned additional 18 credits above the requirement of curriculum from any one vertical in the professional elective stream of the other programme.

c) Should have passed the examination in all the courses (including additional 18 credits above the requirement of curriculum) of all the 8 semesters/6 semesters in the case of Lateral Entry in the students, First Appearance within prescribed period (clause 5.1). Withdrawal from examination will not be considered as an appearance.

d) One-year authorized break of study (if availed) is included inthe four years/ three years in the case of lateral entry for award of First class with Distinction.

e) Should not have been prevented from writing end semester examination due to lack of attendance in any semester.

23.2 First Class

23.2.1 B.E. / B.Tech. (Regular/Lateral)

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

a) Should have secured a CGPA of not less than 6.50.

b) Should have passed the examination in all the courses of all the 8 semesters/6 semesters in the case of Lateral Entry within prescribed period (clause 5.1). Withdrawal from examination will not be considered as an appearance.

Amendment in 8th ACM on 22.07.2026

c) One-year authorized break of study (if availed) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of four years/ three years in the case of lateral entry for award of First class.

23.3 Second Class

All other students (not covered in clauses 23.1 and 23.2) who qualify for the award of the degree (Clause 5.2) shall be declared to have passed the examination in Second Class.

24 MALPRACTICE

24.1 If a student indulges in malpractice in any of the Semester End Examination / internal

examination, he / she shall be liable for punitive action as prescribed by the University from time to time

24.2 The Controller of Examinations shall refer the cases of malpractices in continuous internal assessment tests and semester-end examinations, to the Malpractice Enquiry Committee, constituted by him/her for the purpose. Such committee shall follow the approved scales of punishment.

24.3 The Controller of Examinations shall take necessary action, against the erring students based on the recommendations of the Enquiry committee.

Any action on the part of candidate at an examination like possession of incriminating materials, cheat sheets, trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means is punishable according to the guidelines prescribed by the Office of the Controller of Examinations.

25 TRANSITORY REGULATIONS

25.1 A candidate, who is detained or discontinued the semester, on re- admission shall be required to pass all the courses in the curriculum prescribed for such batch of students in which the student joins subsequently and the academic regulations be applicable to him/her which are in force at the time of his/her re-admission.

25.2 However, exemption will be given to those candidates who have already passed in such courses in the earlier semester(s) and additional courses are to be studied as approved by Head of the Department, Director Academics and Head of the Institution.

26 DISCIPLINE

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

26.2 The Head of Institution shall constitute a disciplinary committee consisting of Head of Institution, two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify about the disciplinary action recommended for approval.

27 REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The College may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and Scheme of examinations through the Academic Council.