K.S. RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous Institution affiliated to Anna University, Chennai and approved by AICTE, New Delhi)

TIRUCHENGODE- 637215

REGULATIONS 2022

CHOICE BASED CREDIT SYSTEM

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

(Academic year 2022-2023 onwards)

CONTENT

K.S. RANGASAMY COLLEGE OFTECHNOLOGY, TIRUCHENGODE- 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai and approved by AICTE, New Delhi)

B.E./B.Tech. REGULATIONS 2022

These regulations are applicable to the candidates admitted to B.E./B.Tech. Programme from the academic year 2022-2023 onwards.

Degree of Bachelor of Engineering/Technology (Eight Semesters)

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

1.1 **University** means the Affiliating University, i.e. Anna University, Chennai.

1.2 **College** means K.S.Rangasamy College of Technology, Tiruchengode, an Autonomous Institution affiliated to Anna University, Chennai and approved by AICTE, New Delhi.

1.3 **Programme** means Degree Programme (i.e.) B.E./B.Tech. Degree Programme.

1.4 **Branch** means specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering and Information Technology.

1.5 **Course** means a theory / theory cum practical / practical subject that is offered in a semester, like Basic Electrical Engineering, Programming for Problem Solving and Engineering Practice Laboratory, etc.

1.6 **Credit** means the weightage given to each course to describe the candidate's workload required per week and it is used to compute the Grade Point Average and Cumulative Grade Point Average (CGPA) of the student.

1.7 **Grade** means the letter grade assigned to each course based on the marks range specified.

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

1.9 **Head of the Institution** means the Principal of the Institution.

1.10 **Controller of Examinations (CoE)** means the authority of the Institution who is responsible for all activities of the End Semester Examinations of the Institution.

1.11 **Department** means the team of faculty members who are responsible for a program of study.

1.12 **Head of Department** means the person who is heading a particular department.

2. ADMISSION PROCEDURE

The candidates for seeking admission to the B.E./B.Tech degree programme for first semester and lateral entry for third semester will be required to satisfy the conditions of admission there to prescribed by the Anna University, Government of Tamil Nadu, AICTE /UGC.

2.1 First Year Admission

Candidates seeking for admission to the first semester of the eight semesters B.E./B.Tech. degree programme should have passed the Higher Secondary Examinations of (Academic10+2) Curriculum prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part- III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent there to.

OR

Candidates should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering/Technology) as prescribed by the Government of Tamil Nadu.

2.2 Lateral Entry Admission

Candidates who possess the Diploma in Engineering/Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for the lateral entry admission to the third semester of B.E./B.Tech. degree programme as per the rules fixed by Government of Tamil Nadu.

OR

The candidates who possess B.Sc. degree (10+2+3 stream) with mathematics as one of the subjects at the B.Sc. level from a recognized University are eligible for admission to the third semester of the B.E./ B.Tech. degree programme through the lateral entry scheme. Such candidates shall undergo two additional Engineering course(s) in the third and fourth semesters as prescribed by the College.

2.3 Notwithstanding the qualifying examination the candidate might have passed, the candidate shall also appear for Tamil Nadu Engineering Admissions counselling conducted by Anna University, Chennai.

2.4 The candidate seeking admissions under the management quota should also have passed the qualifying examination as per clause 2.1 and are admitted based on the rank given by the Consortium of Self-Financing Professional, Arts and Science colleges in Tamil Nadu.

2.5 The eligibility criteria regarding marks shall pertain to the norm as prescribed by the State Government / Syndicate of the Anna University/AICTE/UGC from time to time.

3. PROGRAMMES OFFERED

The following B.E./B.Tech. (4 Years) degree programmes are offered by the college, affiliated to Anna University, Chennai and All India Council for Technical Education (AICTE), New Delhi, in the following branches of Engineering and Technology as in Table 1.

Table 1: Programmes Offered

Sl. No.	Branch Code	Programme	Branch
1.	ME	B.E.	Mechanical Engineering
2.	EE	B.E.	Electrical and Electronics Engineering
3.	EC	B.E.	Electronics and Communication Engineering
4.	CS	B.E.	Computer Science and Engineering
5.	MC	B.E.	Mechatronics Engineering
6.	CE	B.E.	Civil Engineering
7.	IT	B.Tech.	Information Technology
8.	TT	B.Tech.	Textile Technology
9.	BT	B.Tech.	Biotechnology
10.	FT	B.Tech.	Food Technology
11.	AD	B.Tech.	Artificial Intelligence and Data Science
12.	CB	B.Tech.	Computer Science and Business Systems
13.	A	B.E.	CSE(Artificial Intelligence and Machine Learning)
14.	EV	B.E.	Electronics Engineering (VLSI Design and Technology)

4. STRUCTURE OF THE PROGRAMMES

4.1. Categorization of Courses

Every B.E / B.Tech Programme shall have a curriculum comprising of theory, practical or theory-cum-Laboratory courses with well-defined syllabi as prescribed by the respective Board of Studies (BoS) and Academic Council of the college from time to time. The courses that shall be categorized as follows:

a. Humanities and Social Sciences including Management Courses (HS)
b. Basic Science Courses (BS)
c. Engineering Science Courses (ES)
d. Professional Core Courses (PC)
e. Professional Elective Courses (PE)
f. Open Elective Courses (OE)
g. Career Guidance Courses (CG)
h. Mandatory Courses (MY)
i. Audit Courses (AC)
j. Soft Skills Development Courses (SS)
k. One Credit Courses (OC)
l. Self-study Courses (SS)

There shall be a certain minimum number of core courses and sufficient number of elective courses that can be opted by the students. A blend of different courses is designed in all the programmes, so that the students will be trained not only in his/ her

relevant professional field but also would have been groomed as a socially conscious human being at the end of the programme.

4.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes NCC/NSS/YRC/Yoga/NSO/Games and undergo training. Every student shall put up minimum of 75% attendance in the camp is compulsorily. The students are also involved in the classes on hygiene and health awareness and also training in first-aid. The personality and character development among the students are also promoted through activities relates to science, literature and arts. Students shall participate in at least one of the personality and character development activities

- **National Cadet Corps (NCC)** will have 20 parades. While the training activities will normally be during weekends, the camps will normally be during holidays.

- **National Service Scheme (NSS)** will have social service activities in and around the College.

- **Youth Red Cross (YRC)** societal activities will include activities like health & hygiene, awareness camps etc. in and around the institution.

- **Red Ribbon Club (RRC)** voluntary on-campus intervention program for students addresses the knowledge, attitude and behavior of the youths.

- **Sports & Games** activities will include preparation for inter-collegiate sports events.

- **Yoga** activity is intended for tuning the students mentally and physically.

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

Students who enroll and take active participation in anyone of the above activities for 80 hours and participate at least one event/programme will be given a certificate by the Head of the Institution and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny. Also every student shall be a member in any one of the professional body related to the programme of study.

4.3 Mandatory Two weeks Induction Programme

The students are expected to undergo two weeks induction programme related to creative arts, Universal Human Values, Lectures by eminent people, visits to local areas and familiarization of departments after admission.

4.4 Number of courses per semester

Each semester shall have a blend of lecture courses and laboratory courses.7 theory courses and laboratory integrated theory courses and 4 Laboratory courses including

Career Guidance Course(s). However, the total number of courses shall not exceed 10 per semester. Each course shall have credits based on the clause 4.5

4.5 Credit Assignment

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

Contact period per week	Credits (C)
1 Lecture (L) Period	1
2 Tutorial (T) Periods	1
2 Practical (P) Periods	1

(L) = Lectures given during class by the faculty
(T) = Tutorial, also class based with more emphasis on problem solving
(P) = Laboratory / Projects / Drawing Practices / Design Laboratory classes, CG etc.,

4.6 Project Work

The student has to carry out project work as a part of his/her study in the final year as indicated in the curriculum of the respective programme in department / industry in consultation with the concerned Head of the Department and the faculty guide. Project work may be allotted to a single student or to a group of students not exceeding 4 per group. Interdisciplinary projects in engineering disciplines are encouraged.

4..6.1 The Project Work-II carried out in industry/academic/research institutions need not be a continuation of Project Work-I. In such cases, the Project Work-II shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the Institution and suitable record of the meetings shall be maintained.

4.6.2 The Head of the Institutions shall constitute a review committee for Project Work for each programme. The review committee consists of supervisor, an expert from the Department and a project coordinator from the Department. If the project coordinator/expert member happens to be the supervisor, then an alternate member shall be nominated. In the case of Industrial Project, the review committee shall have the supervisor, the coordinator from industry and the project coordinator from the Department. The scheme of assessment is given in clause 12.5

4.6.3 A softcopy of the approved project report shall be kept in the library of the college and in the respective department.

4.7 Internship / Industrial Training

The students shall undergo mandatory Internship/Industrial training during the summer/winter vacation with prior approval from the Head of the Institution. In this case, the training has to be undergone by the students for at least continuous two weeks in an organization and credits shall be awarded as prescribed in the curriculum. Students are permitted to undergo internship in Industry/ University/ Research organization.

Credits shall be Internship given for students undergoing internship/doing projects in relevant industry as given below:

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

*1 Week = 40 Internship Hours

- Students undergoing 6/8 weeks of training/doing projects in industry/academic institutions of repute shall be given 3 credits
- The evaluation shall be carried out based on the assessment by the industry/academic mentor (60%), report (20%) and viva–voce examination (20%).
- The viva–voce examination will be conducted internally by a three member committee constituted by the HoD in consultation with the principal.

4.8 Industrial Visit

Every student is required to undergo Industrial visits, starting from the 3rd semester of the programme.

4.9 Open Elective Courses

Students shall be permitted to register for the open elective courses offered by other departments.

4.10 One Credit Courses

Students shall be allowed to take courses offered by Industry experts for 15-20 hrs of duration and the same shall be considered as one credit courses. On successful completion and passing the examination in 3 one credit courses, a maximum of one 3 credit elective course may be waived in 7th semester. Suitable courses shall be offered after due approval of committee consisting of Head of the Department, programme coordinator, module coordinators and course coordinators in consultation with the Head of the Institution. The students are also permitted to study the one credit courses offered by other departments with the prior permission from the Head of the Institution.

4.11 Value Added Courses

In order to promote students to gain Industrial exposure, the students shall undergo Value Added Courses (VAC) over and above the topics covered in the curriculum from IV to VII Semester. The credits earned through the Value-Added Courses shall not be included in the credit requirements prescribed in the curriculum for the award of the degree.

4.12 Mandatory/Audit courses

The student shall undergo mandatory/audit courses and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.

4.13 NPTEL/SWAYAM/MOOC and other online courses

Students can register for online courses only with the permission of the Head of the Department. Online courses shall be taken under the guidance of a faculty mentor. Students shall register for online courses offered by NPTEL/SWAYAM/MOOC or any other courses offered by reputed National/International organization, universities under the guidance of a faculty mentor. If no faculty mentor, the credits will not be considered for grading. Credits shall be given to the students who have passed the online courses offered by NPTEL/SWAYAM or any other reputed national/foreign Universities / Institutions, recognized by the regulatory bodies. Upon successful completion of 40-45 hours of full course, the two elective or open elective courses in the curriculum shall be waived. Students may be permitted to waive maximum of six credits during the entire duration of the programme. The concerned Head of the Department shall ensure that the student has not repeated Professional Core / Professional Elective/Open Elective Course. The students shall opt for waiving of courses in VII semester provided the courses have been completed before VII semester. List of courses to be waived should be submitted to CoE at the beginning of the VII semester after the approval from the Head of the Institution.

4.14 Self-study courses

Students shall be permitted to register for self-study course from VIth semester onwards under a faculty mentor in a semester provided that they do not have any standing arrears and should have completed all the dropped courses. The students who opt for dropping of courses are not permitted to pursue self study courses in that particular semester. Study materials prepared by the faculty mentor shall be posted in online (free opensource learning platform). 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 and end semester examinations to earn the credit. Students shall meet the faculty mentor once in a week.The self study courses shall be approved by the committee consisting of HoD, programme coordinator and module coordinators.

4.15 Swachh Bharat Summer Internship

The 100-hour experiential internship program would require the candidate to visit one or more villages and conduct activities of their choice to contribute to the cause of rural sanitation in India. Two extra credits shall be given to the students undergoing Swachh Bharat Summer Internship (Not consider for CGPA).

4.16 Swapping of Courses

Students interested in "Project Internship" in industry or research during the 8th semester can swap their 8th semester courses during the 7th semesters if they have no standing arrears and a minimum CGPA of 7.5.

4.17 Course waiver

Students are permitted to opt for course waiver for three one credit courses as per clause 4.10, Industrial Training/NPTEL/Online courses as per clause 4.7 & 4.13 and Swachh Bharat summer Internship as per clause 4.15.

4.18 Medium of Instruction

The medium of instruction for all the courses is English for Examinations and Project reports.

5. DURATION OF THE PROGRAMMES

The programme will lead to the degree of Bachelor of Engineering (B.E.) / Bachelor of Technology (B.Tech.) of the Anna University and is spread over a period of 4 years. The four academic years will be divided into 8 semesters with 2 semesters per year.

5.1 A HSC student is normally expected to complete the B.E. / B.Tech. Programme in 8 semesters (four academic years) but in any case not more than 14 consecutive semesters (7 years) whereas a Lateral Entry Diploma holder / B.Sc. graduate (10+2+3 stream) with mathematics as one of the courses is normally expected to complete the B.E. / B.Tech. Programme in 6 semesters (three academic years) but in any case not more than 12 consecutive semesters (6 years).

5.2 Each semester shall normally consist of 90 working days. The Head of the Department shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus, covering the full content of the syllabus for the course being taught.

5.3 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 in clause 5.1, irrespective of the period of break of study (vide clause 18), or prevention (vide clause 7.2), in order that the student may be eligible for the award of the degree (vide clause 16). The extension beyond this prescribed period shall not be permitted.

6   COURSE REGISTRATION

6.1   Each student must register for all courses to be taken in a given semester's curriculum (with the option of dropping up to 6 credits) (vide clause 6.2). Courses dropped in previous semesters can be registered in subsequent semesters if they are offered. The student's registration information must be approved by the Head of the Institution and forwarded to the Controller of Examinations. This registration includes both the course registration and its End Semester Exams. Students shall pay the course fees including the college fees before the commencement of the classes.

The courses that a student registers in a particular semester may include
i. Courses of the current semester.
ii. Courses dropped in the lower semesters and

6.2   Flexibility to add or drop the courses:

To be eligible for the degree, students must complete the total number of credits specified in the curriculum of the respective programme of study. Students may, however, earn more credits than the total number of credits specified in the curriculum by enrolling in additional professional courses, open electives, self-study courses, one credit courses, and on-line courses. Students may register for one or two additional courses during the semester; however, the additional credit will not be used to calculate the overall CGPA.

Students enrolled in B.E./B.Tech. programmes may be permitted to drop one or two courses from the third to the seventh semester. Students must re-register for the dropped courses in the following semesters. Students must also complete all courses and earn the total credits required for the programme within the time frame specified (vide Clause 16.2). When dropped courses are re-registered, they are not considered as an attempt for classification in that semester. Total number of credits dropped in a semester shall not exceed six. The dropped course should not be a prerequisite for subsequent semester courses.

7.   REQUIREMENTS OF ATTENDANCE AND PROGRESS

7.1   A candidate will be deemed to have completed the requirements of study of any semester and qualify to write the end semester examinations only if

7.1.1 He/she has earned not less than 75% of attendance on an average in all the courses in that semester put together. However, a candidate who has secured attendance between 65% and 74% in the current semester due to medical reasons (hospitalization /accident/specific illness) or due to participation in College/University State/National /International level sports events/Industrial training/Internship with prior permission from

the principal shall be given exemption from the prescribed attendance requirements and he/she shall be permitted to appear for the current semester examinations.

7.1.2 His/her progress has been satisfactory and

7.1.3 His/her character and conduct have been satisfactory.

7.2 Candidates who do not qualify to appear for end semester examinations of any semester for want of attendance and/or progress and/or character and conduct have to register for and repeat that semester at the next available opportunity subject to the approval of Directorate of Technical Education, Tamil Nadu and Anna University Chennai

7.3 The re-admitted candidates have to follow the curriculum and syllabus as existing at the time of re-admission. The re-admission committee will decide the courses that he/she has to undergo in the new curriculum considering the equivalent courses that he/she has gone through in the old curriculum, so as to bridge the curriculum in-force and the old curriculum. The courses recommended by the committee shall be taken under a faculty mentor and appear for the examination as specified by the college.

8. CLASS ADVISOR

To help students in planning their courses of study and for general advice on the academic programme, the Head of the Department will attach about 30 students to a faculty member of the Department who shall function as class advisor for those students.

Such class advisor shall advise the students and monitor the courses undergone by the students, check the attendance and progress of the students attached to him/her and counsel them periodically. If necessary, the class advisor may also discuss with or inform to the parents about the progress of the students through the Head of the Department concerned**.** Class advisor also help the chairperson of the class committee in planning and conduct of the class committee meetings.

9. CLASS COMMITTEE

9.1 Every class shall have a class committee consisting of student representatives, designated faculty members and a chairperson who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) 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 there in.
- Informing the student representatives, 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/ drawing/ project work / seminar etc.) the breakup of marks for each experiment/Mini projects /

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 to improve learning and performance.
- Identifying the weak students, if any, and requesting the teachers concerned to provide additional help or guidance or coaching to such weak students.

9.2 The class committee for a class under a particular branch is normally constituted by the head of the department.

9.3 The class committee shall be constituted in the first week of every semester.

9.4 At least 6 student representatives (usually 3 boys and 3girls) shall be included in the class committee.

9.5 The chairperson of the class committee may invite the faculty advisor(s) and the Head of the department to the meeting of the class committee.

9.6 The Principal may participate in the class committee.

9.7 The chairperson (HoD/Senior Faculty) is required to prepare the minutes of every meeting, submit the same to the principal within two days of the meeting and arrange to circulate among the concerned students and faculties.

9.8 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 within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. During these meetings the student members can express their opinions and suggestions of the other students of the class to improve the effectiveness of the teaching-learning process.

10. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one section or more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as course coordinator/ module coordinator. The nomination of the course coordinator shall be made by the Principal depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet regularly and ensure uniform evaluation of the tests and arrive at a common scheme of evaluation for the tests. Where it is feasible, the course committee may also prepare a common question paper for the test(s).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) Semester Examination at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce examinations) shall be evaluated for a maximum of 100 marks.

11.2.1 For all theory courses, the continuous internal assessment will carry **40 marks** while the End Semester examination will carry **60 marks.**

11.2.2 For all theory courses with laboratory component, the continuous internal assessment will carry **50 marks** while the End Semester examination with theory component will carry **50 marks.**

11.2.3 For all laboratory courses, the continuous internal assessment will carry **60 marks** while the End Semester examination will carry **40 marks.**

11.2.4 For all Project based courses, the continuous internal assessment will carry **40 marks** while the End Semester examination will carry **60 marks.**

11.2.5 The continuous internal assessment for the project work will carry **40 marks** while the End Semester examination will carry **60 marks.**

11.3 Industrial Training and Seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 The End Semester Examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The End Semester Examination for Project Work II shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the End Semester Examination of practical courses including Project Work, the examiners shall be appointed by the Controller of Examinations.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory, laboratory courses, theory courses with laboratory component and project work-phase I, the continuous assessment shall be awarded as follows:

12.1 SCHEME OF ASSESSMENT

All B.E./B.Tech programmes consist of Theory Courses, Laboratory Courses, Theory with Laboratory Component Courses, Project Based Courses. Career Guidance Courses include Project Work, Seminar, Industrial/Practical Training. Appearance in the End Semester Examination is mandatory for all courses including Theory, Laboratory, Theory with Laboratory Component, Project Based Courses and Project Work. All other Career Guidance Courses, including Mandatory Courses are evaluated by continuous assessment only. Mandatory courses shall carry a maximum of 100 marks each and shall be evaluated through continuous assessment tests. The candidate(s) can earn 3 credits for Universal Human Values by successfully completing the courses.

12.2   Theory courses

Two Continuous Assessment tests shall be conducted during the semester by the concerned department. If a candidate has not appeared in any of the two tests for valid reason after getting prior permission from the class advisor/HoD/Principal, he/she is eligible to write missed tests. An improvement test is conducted for the students those who are interested in improving the internal marks in the respective course(s). The scheme of assessment in represented in the table 1

12.3   Theory courses with Laboratory Component

If there is a theory course with laboratory component there shall be two tests-each 40 marks will be from theory portions and each 60marks from laboratory will be from laboratory component. The total marks are the sum of the marks obtained for theoretical and practical parts. The total marks shall be reduced to 50 Marks as internal marks.

Scheme of Assessment: Table 1

Category of Courses	Continuous Assessment (Including Model Exam)	Assignment/ Tutorial/ Practical Examination and Contest	Two Quizzes & Activity (Computer based)	Internal		End Sem
Theory	30 marks	4 marks	6 marks	40 marks		60 marks
Theory with Laboratory	20(Theory)	2 marks	3 marks	25 marks	50 marks	50 marks
	23 (Lab Assessment)	2 marks (Designathon/ Hackathon, etc)	-	25 marks		
Laboratory	-	60 marks	-	60 marks		40 marks
Procedure for Continuous Assessment of theory course						
Item						**Marks**
Periodical tests (2 Tests–2 hours each and I model exam) (Each Test–10 marks)				40 marks		60 marks
	Procedure for Continuous Assessment of theory with laboratory courses					
Periodical tests (2 Tests from theory portion -2 hours each, 2 Lab Exam -2 hours each)				50 Marks		50 Marks

Assignments/Tutorials		
Theory Courses	2 Assignments	2x50 Marks = 100 Marks. This will be reduced to 2 Marks each. Each assignment shall cover the requisite course outcomes, to check the understanding of the concepts and their applications.
Analytical Courses	No. of tutorials as per the time table	The average of marks obtained in all the tutorials shall be reduced to 4 marks.

12.4 Laboratory Courses

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to b e maintained. The criteria for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the model test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer.

Internal Assessment (100 Marks) *	
Evaluation of Laboratory Observation, Record	Model Test
75	25

 * Internal assessment marks shall be converted into 60 marks

12.5   Project Based Courses
Two Continuous Assessment shall be conducted during the semester by the concerned department along with one model exam.

Scheme of Assessment: Table 2

Category of Courses	Continuous Assessment (Project Presentation)	Assignment	Two Quizzes & Activity (Computer based MCQ type)	Internal	End Sem (Project Presentation)
Project Based Courses	30 marks	4 marks	6 marks	40 marks	60 marks

12.6   Project Work
The student shall register for Project Work-I in pre-final semester and Project Work-II in final semester. There shall be three reviews during the semesters VII and VIII by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be

reduced for 40 marks and rounded to the nearest integer as per the scheme given below.

12.6.1 The project report shall carry a maximum of 10 marks. The project report shall be submitted as per the approved guidelines. Same marks shall be awarded to every student within the project group for the project report. The viva-voce examination in phase- I shall carry 100marks. Marks are awarded to each student of the project group is based on the individual performance in the viva- voce examination.

Project Work Phase – I Evaluation (Continuous Assessment Only)

Review I (R1)			Review II (R2)		Review III (R3)			Total (R1+R2+R3)	Internal
Literature Survey	Topic Identification & Justification	Work Plan	Approach	Conclusion	Demo-Existing System	Presentation	Report	Total	
10	10	10	20	20	10	10	10	100	100

Project Work–Phase-II: The objective of Project Work & Dissertation is to enable the student to extend further investigative a study on the project. Three reviews shall be conducted with subject expert and the student(s) shall make a presentation on the progress made by him/her/them during the reviews. Student(s) shall submit a project technical report comprising of title, problem statement, importance of work, methodology, experimental work and outcome of the work carried out during the 3rd review. The work carried out may be either fully theoretical/practical or involving both theoretical and practical work, under the guidance of a supervisor from the department or jointly with a supervisor drawn from other department/academic institution/R&D laboratory / Industry. This is expected to provide a good training for the students in R&D work and technical leadership.

The project reviews (R1+R2+R3) shall carry a maximum of 40 marks. The project report shall be submitted as per the approved guidelines given by the college, the viva-voce examination shall carry 60 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination.

Review I (RI)	Review II(R2)	Review III (R3)			Internal	End Semester Examination			
Progress	Approach & Results	Final Presentation	Report	Publications	(R1+R2+R3)	Report	Presentation	Demo	Viva-Voce
10	15	05	05	05	40	20	15	15	10

Review I	Review II	Review III	End Semester Examinations				
			Project Report		Presentation &Viva-Voce Examination		
Internal	Internal	Internal	Internal	External	Internal	External	Supervisor
10	15	15	10	10	10	20	10

12.6.2 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 redo in the Project Work and the student shall re-register for the same in the subsequent semester.

12.6.3 A soft copy of the approved project report shall be kept in the library of the college and in the respective department.

12.6.4 Career Guidance Courses:

Evaluation Procedure for CGC & Mandatory Courses

Career Skill Development (CSD)
This will have Continuous Assessment (CA) and No End Semester (ES) Examination. This includes Aptitude, Verbal Reasoning, Logical Reasoning, Group Discussion, Oral and Written Communication Skills, Technical Paper Presentation, Resume Preparation and Interview Skills.
Grade Ratings for Career Skill Development (CSD) are as follows: Very Good (VG) - 80 to 100; Good (G)-60 to 79; Fair (F)- 40 to 59; Reappearance (U)-Below 40.
Mandatory Courses
All students have to study mandatory courses specified by the department / institution. No credits will be given for the mandatory courses. Only internal assessment shall be conducted and without grading printed in the grade sheet.
Grade Ratings for Mandatory Courses are as follows: Successfully completed

Other Career Guidance Courses

a)   The Seminar / Case Study / Mini Project course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three-member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar and at the end of the semester, the marks shall be consolidated and taken as one of the component in internal assessment.

b)   The Industrial/Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical Training / Internship / Summer Project, the student shall submit an

attendance certificate from the organization where he / she has undergone training with a brief report. The evaluation will be made based on this report and a viva-voce Examination, conducted internally by a three members Departmental Committee constituted by the Head of the Institution consisting of the course coordinator and two experts from the Department. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Department to the Controller of Examinations.

c) Comprehensive Test to assess the overall knowledge of the candidate in various courses he/she studied shall be evaluated with multiple choice questions generally with pattern similar to GATE

d) For all the courses under Career Guidance Courses Category, except the Project Work, the evaluation shall be done with 100% internal marks and as per the procedure described in clause 12.6 (a) / (b).

12.7 ASSESSMENT FOR VALUE ADDED COURSES AND OTHER COURSES

The one / two credit course shall carry 100 marks and shall be evaluated through **continuous assessments only**. Two Assessments as per pattern given below and it shall be conducted by the Department concerned. The total marks obtained in the assessments shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process. The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations. The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.

Value Added Courses/Certificate courses

ITEMS	Marks
Test I	50
Test II	50
Total Marks	**100**

Grades (Excellent (80 to 100) / Good (60 to79) / Satisfactory (50 to 59))

One credit course (Continuous Assessment only)

ITEMS	Marks
Test I	50
Quiz/ Assignment	50
Total Marks	**100**

Industrial Training/ Internship (Continuous Assessment Only)

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

Soft Skills Training (CA only)

Items	Marks
Written test	**50**
Oral Communication	**30**
Technical Paper Presentation\Interview	**20**
Total Marks	**100**

12.8 ASSESSMENT FOR ONLINE COURSES

Students may be permitted to credit two online courses (which are provided with certificate), subject to a maximum of six credits. The online course of 3 credits can be considered in leu of one professional elective course. These online courses shall be chosen from the SWAYAM platform, provided the offering organization conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organization. Upon successful completion of the course and passing in the exam conducted by NPTEL/any other universities/agencies approved by the regulatory bodies, suitable credits shall be given after due approval from the committee consisting of Head of the Department, programme coordinator, module coordinator / class advisor and course coordinator in consultation with the principal.

12.9 System Based Examination and Open Book Examination

System Based Examination shall be conducted for programming related subjects for continuous assessment tests and the end semester examination. Computer aided examinations shall be conducted for analytical subjects on the lines of GATE examination for continuous assessment tests. Computer based Quiz shall be conducted for all courses.

Open book examination shall be conducted for continuous assessment tests and the end semester examination for selected courses as decided by BoS and approved by academic council and the committee consisting of HoD, Programme Coordinator and Module Coordinator.

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

12.10 Attendance Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD', which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the Department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Department will put his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may verify the records of attendance and assessment of both current and previous semesters.

12.11 Conduct of Academic Audit by every Institution

Every educational institution shall strive for a better performance of the students by conducting the internal assessments as mentioned in Clause 12.

In order to ensure the above, Academic Audit is to be done for every course taught during the semester. For the internal assessments conducted for each course as per details provided in Clause 12, the academic records shall be maintained in the form of documentation for the individual assignments / case study report / report of mini project submitted by each student and assessment test question paper and answer script. Report of industrial training / internship shall also be maintained. For laboratory courses students' record shall be maintained. Further, the attendance of all students shall be maintained as a record.

The Head of the Institution shall arrange to conduct the Academic Audit for every course in a semester by forming the respective committees with an external course expert as one of the members drawn from a technical institution of repute near the institute.

The University or any inspection team appointed by the University may verify the records of Academic Audit report of the courses of both current and previous semesters, as and when required.

13.   REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATIONS

A student shall normally be permitted to appear for the End Semester Examinations for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (as per clause 7).

Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear(s) course(s) for the End Semester Examinations failing which, the student will not be permitted to move to the higher semester.

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

14. PASSING REQUIREMENTS

14.1   A student who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester Examinations] with a minimum of 45% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and laboratory courses (including project work).

14.2   If a student fails to secure a pass in a theory course / laboratory course (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the internal assessment 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 (IA + End Semester Examination) as per clause 14.1, 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.

14.3 If the course, in which the student has failed, is a Professional Elective or an Open Elective course, the student may be permitted to complete the same course. In such case, the internal assessment 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 (IA + End Semester Examination) as per clause 14.1, 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.

If any other Professional Elective or Open Elective course is opted by the student, the previous registration is cancelled and henceforth it is to be considered as a new Professional Elective or Open Elective course. The student has to register and attend the classes, earn the continuous assessment marks, fulfil the attendance requirements as per clause 7 and appear for the end semester examination.

14.4 If a student is absent during the viva - voce examination, it would be considered as fail. If a student fails to secure a pass in Project Work-I, the student shall register for the course again in the subsequent semester and can-do Project Work-I and II together.

14.5 The passing requirement for the courses which are assessed only through purely internal assessments (CG courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only.

14.6 A student can apply for revaluation of the student's semester examination answer paper in a theory course, as per the guidelines of the COE on payment of a prescribed fee along with prescribed application to the COE through the Head of the Institution. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory course and CG courses.

15. AWARD OF LETTER GRADES

15.1 The award of letter grades will be decided using relative grading principle. The relative grading is applicable to ONLY those students who have passed the examination as per the passing requirements. For Laboratory courses and project work absolute grading is followed. For a given course, if the students strength is greater 30, the relative grading method shall be adopted. However, if the students strength is less than or equal to 30 then the absolute grading shall be followed with the grade range as specified below.

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

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

Letter Grade	Grade Points
O (Out Standing)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Average)	6
C (Satisfactory)	5
U (Re-Appearance)	0
SA (Shortage of Attendance)	-
WD (Withdrawal)	-

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".

'SA' denotes shortage of attendance (as per clause 7.1) and hence prevented from writing the end semester examinations. 'SA' will appear only in the result sheet.

"U" denotes that the student has failed to pass in that course. "**WD**" denotes **withdrawal** from the exam for the particular course. The grades U and WD will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to appear for the End Semester Examinations as per the Regulations.

If the grade U is given to **Theory Courses/ Laboratory Courses it is not required to satisfy the** attendance requirements (vide clause 7), but has to appear for the end semester examination and fulfil the norms specified in clause 14 to earn a pass in the respective courses.

If the grade U is given to CG course (except Project Work), which are evaluated only through internal assessment**,** the student shall register for the course again in the subsequent semester, fulfil the norms as specified in clause 14 to earn pass in the course. However, attendance requirement need not be satisfied.

After the completion of the programme, the Cumulative Grade Point Average (CGPA) from first semester to final semester is calculated using the formula,

$$CGPA = \sum g_i * C_i \; / \sum C_i$$

Where, g_i : Grade point secured corresponding to the course
   C_i : Credits allotted to the course

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC / Science club / Literary Club/ Fine Arts Club, a 'completed' remark will appear in the Grade Sheet on successful completion of the same. Every student shall put in a minimum of 75% attendance in the training and attend the camp or events of the clubs compulsorily. The training and camp or club events shall be completed within the duration of the programme. Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.

15.3 For the students who complete the mandatory course satisfying attendance requirement, the title of the mandatory course will be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the **Grade Sheet.**

16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

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

- Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.
- Successfully completed the course requirements, appeared for the End Semester examinations and passed all the subjects within the period as prescribed in clause 5.1 and 5.1.1.
- Successfully passed any additional courses prescribed by the readmission committee whenever the student is readmitted from the earlier Regulations.
- Successfully completed the NCC / NSS / NSO / YRC / Science Club / Literature Club / Fine Arts Club requirements.
- No disciplinary action pending against the student.

16.2 CLASSIFICATION OF THE DEGREE AWARDED

16.2.1 FIRST CLASS WITH DISTINCTION

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

- Should have passed the examination in all the courses of all the eight semesters (6 semesters in the case of Lateral Entry) in the student's First Appearance within **five** years (Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance.
- Should have secured a CGPA of not less than **8.50**.
- One-year authorized break of study (if availed of) and four years in the case of lateral entry) for award of First class with Distinction.
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

16.2.2 FIRST CLASS:

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

- Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within five years. (Four years in the case of Lateral Entry).
- One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (Six years in case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class.
- Should have secured a CGPA of not less than **6.50.**

16.2.3 SECOND CLASS:

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

16.3 A student who is absent in end semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification. (Subject to clause 17).

16.4 Photocopy / Revaluation

A student can apply for photocopy of his/her semester examination answer paper in a theory course, as per the guidelines of the COE, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department. The answer script is to be valued and justified by a faculty member, who has handled the subject and recommend for revaluation with the breakup of marks for each question
n. Based on the recommendation, the student can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and CG courses.

16.5 Review

Students not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department. Students applying for Revaluation only are eligible to apply for Review. Students shall forward the grievances related to assessment, examination and other curricular related issues to grievance redressal committee.

17. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

17.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by the Chairman, Sports Board and the HOD) 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 the COE through the Head of the Institution with required documents.

17.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) 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 Controller of Examinations. For a student to withdraw from a course / course, he/she should have registered for the course, fulfilled the attendance requirements (vide clause 7) and earned continuous assessment marks.

17.2.1 Notwithstanding the requirement of mandatory 10 days, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.*

17.3 In case of withdrawal from a course / course, the courses will figure both in the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.

17.4 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).

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

17.6 Withdrawal is permitted for the end semester examinations in the final semester, as per clause 17.1.

18. PROVISION FOR AUTHORISED BREAK OF STUDY

18.1 A student is permitted to go on authorized break of study for a maximum period of one year as a single spell.

18.2 Break of Study shall be granted only once for valid reasons for a maximum of one year 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 student intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to re-join the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Director, Student Affairs in advance, but not later than the last date for registering for the end semester examination of the semester in question, through the Head of the Institution stating the reasons therefore and the probable date of re-joining the programme.

18.3 The student permitted to re-join the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at

the time of re-joining. The students re-joining in new Regulations shall register for additional courses, if any, under change of Regulations. These courses may be from any of the semesters of the curriculum in force, 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.

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

18.5 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree.

18.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 18.1).

18.7 If a student in Full Time mode wants to take up a job / start-up / entrepreneurship during the period of study, he/she shall apply for authorized break of study for one year. The student shall join the job / start-up / entrepreneurship only after getting approval of the same by the Director, Centre for Academic Courses with due proof to that effect.

18.8 No fee is applicable to students during the Break of Study period.

19. ISSUE OF GRADE SHEET & DEGREE CERTIFICATE
After the publication of the results by the college in each semester, the college will issue the grade statement. After successful completion of the programme, the college will recommend the student to the End Semester Examination, which in turn shall issue the provisional certificate and award the degree.

20. DISCIPLINE
20.1 Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of the Institution shall constitute a disciplinary committee consisting of the Head of the Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution.

20.2 If a student indulges in Malpractice in any of the End Semester Examination / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

21. Minor Degree

- All UG (B.E,B.Tech) programmes offering a Major degree can offer minor degree.
- The students will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above with no standing arrears.
- The specialisation and list of courses in Minor degree should be approved by BoS and Academic Council
- Students who register for minor degree may opt for additional courses in minor specialization groups offered by a department other than their parent department. Student can also opt for industry relevant tracks of any branch to obtain the minor degree.
- In place of advanced courses, the students shall be permitted to earn six credits from equivalent MOOC courses available under SWAYAM out of the 18 credits as approved by the BoS and Academic Council.
- A student has to earn 18-20 extra credits, by studying six additional courses each carrying three to four credits (in each course, three credits for theory and one credit for lab).
- A student must earn minimum 6 credits in a semester for minor degree.
- Regular pattern of enrolment, evaluation pattern, classification of grades for the courses is followed as in regular programme.
- No class \ division (i.e., second class, first class and distinction, etc.) shall be applicable for Minor degree programme.
- The Minor degree shall be mentioned in the degree certificate as Bachelor of Technology in XXX with Minor in YYY. For example, B.E in Computer Science & Engineering with Minor in Electronics & Communication Engineering or the chosen industry relevant track.
- Separate course\class work and time table shall be arranged for the various Minor degree programs. Attendance regulations for these Minor discipline programs shall be as per regular courses.
- 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.
- Interested meritorious students shall be permitted to register either for Minor degree in a discipline or industry relevant track of any branch (or) Honours Degree in a discipline only, but not both.

22. Honours Degree (Specialisation in the Discipline)

- Honours Degree can be offered by all programmes.
- A student has to earn 18 to 20 additional credits by studying advanced courses from the vertical of the same programme.

- In place of advanced courses, the students shall be permitted to earn six credits from equivalent MOOC courses available under SWAYAM out of the 18 credits as approved by the BoS and Academic Council.
- The assessment pattern of courses will be like the regular programme evaluation.
- A student must earn minimum 6 credits in a semester for Honour degree.
- Students aspiring for Honours degree must have CGPA of 7.5 (upto third semester) and can register from V Semester onwards with no history of arrears. The students should have completed all the courses Honours degree within VII semester in the first attempt.
- 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.
- Students shall be permitted to register either for Honours degree or Minor degree in a discipline but not both.

23. Honours Degree (without specialisation)

- Honours Degree can be offered by all programmes.
- A student has to earn 18 to 20 additional credits by studying advanced courses from different verticals of the same programme.
- Six credits from NPTEL shall be considered out of 18 credits as approved by the BoS and Academic Council.
- The assessment pattern of courses will be like the regular programme evaluation.
- Students aspiring for Honours degree must have CGPA of 7.5 (upto third semester)
- Students shall register from V Semester onwards with no history of arrears and shall complete all the courses Honours degree within VII sem-ester.
- 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.

24. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The College may from time-to-time revise, amend or change the Regulations, scheme of examinations and syllabi if found necessary, through the approval of respective BoS and Academic Council of the College.

1. **Student Intern Performance Review / Employer Assessment of Intern Form**

We appreciate your contribution to the professional growth and development of our students. In order for us to best assess the experience, we request you to complete this form and return it to us at the end of the internship period. We believe that your comments will help the student to build his career.

2. **Student Information**

Intern's Name		Department	
Semester		Type: Paid/Unpaid	
Period of Internship	From:	To:	

Please rate the intern in each area using the following criteria and score:

Not Applicable-0; Not acceptable-1; Needs improvement-2; Meets Requirements-3; Above Average-4 ; Exceptional-5.

1. **Adherence to Work Schedule**

   Meets attendance and punctuality expectations; completes assigned tasks in time; keeps commitments and takes responsibility for own actions.

   ☐ Meets Requirements ☐ Needs improvement ☐ Above Average

   ☐ Exceptional ☐ Not Applicable ☐ Not acceptable

2. **Team Player**

   Consistently demonstrates proactive nature takes independent action and calculated risks; knows when to seek prior approval.

   ☐ Meets Requirements ☐ Needs improvement ☐ Above Average

   ☐ Exceptional ☐ Not Applicable ☐ Not acceptable

3. **Communication Skills**

   Exhibits good listening and comprehension; Interacts well with others and resolves conflicts.

   ☐ Meets Requirements ☐ Needs improvement ☐ Above Average

   ☐ Exceptional ☐ Not Applicable ☐ Not acceptable

4. **Learning Curve**

   Competent in required job skills and knowledge; exhibits ability to learn and apply new skills; requires minimal supervision ability to apply creative solutions to problems.

   ☐ Meets Requirements ☐ Needs improvement ☐ Above Average

   ☐ Exceptional ☐ Not Applicable ☐ Not acceptable

5. Decision Making

Accepts criticism and constructive feedback applies skills appropriate for carrying tasks and solving problems; makes sound decisions.

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

6. Responsibility and Reliability

Demonstrates accuracy and thoroughness; work reflects compliance to standards, commitment to excellence and attention to detail; strives to increase productivity.

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

7. Employment Skills

Willingness to learn new skills which are job-specific or more general.

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

8. Technical Competencies

Ability to apply learned skills to the internship work environment

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

9. Critical Thinking and Problem Solving Skills

Demonstrates critical thinking and problem solving skills

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

10. Ethics & Professionalism

Understand the ethical responsibility towards society and the principles of fairness while dealing with all stakeholders.

☐ Meets Requirements ☐ Needs improvement ☐ Above Average

☐ Exceptional ☐ Not Applicable ☐ Not acceptable

OVERALL EVALUATION:

Total Marks: | 50 |

Please give in written form of assessment of the student's performance.

Is the student better prepared for the industry? What is the possibility of being hired as a permanent employee in your concern?

What is your suggestion for improvement of the intern?

Employer Information:

Name and Signature of the Reviewer	
Designation & email	
Name of the Company	
Address	
Date of Evaluation	