



University of Mysore



Regulations for B.E Degree Programme

Under Choice Based Credit System (CBCS) and
Outcome Based Education (OBE)

Effective from the Academic Year 2025-26



Mysore University School of Engineering

Manasagangotri Campus, Mysuru.

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Preamble

The NEP-2020 envisages a student centric educational system with an opportunity to learn multiple courses and programmes and provides a comparable and globally competitive educational system. It transforms the existing Higher Educational System of Engineering Courses into creative, innovative, and research-oriented system. The NEP provides an opportunity to the young minds to move up the ladder of knowledge stream by entering into the B.E. degree in appropriate discipline can also earn Honours and Minor Degrees with additional credits earned through online or other modes specified by the University from time to time. The under-graduate four-year B.E. programme creates a better avenue and demonstrates to prospective employers a higher capacity for independent learning and research, along with enhanced problem-solving, critical thinking, independent learning and communication. The curriculum framework with Outcome Based Education (OBE) practices endeavours to empower the students and help them in their pursuit for achieving overall excellence. Outcome Based Education (OBE) practices will be used to design curriculum. It is proposed to develop Graduate Attributes at appropriate level which will act as common denominator for curriculum across universities. The candidate who completes the four years Undergraduate Program, either in one stretch or through multiple exits and re- entries would get a Bachelor's degree in Engineering

The curriculum combines conceptual knowledge with practical engagement and understanding that has relevant real-world application through practical laboratory work, field work, internships, workshops and research project. Skills shall be explicitly integrated, highly visible, taught in context, and have explicit assessment. The skills shall include abilities in language and communication, working in diverse teams, critical thinking, problem solving, data analysis and life skills.

1.0 TITLE and COMMENCEMENT

- 11 These regulations shall be called as “Academic Regulations Governing the Undergraduate Degree in B.E. programme under Choice Based Credit System (CBCS) and Outcome Based Education (OBE) and Continuous Assessment and Grading Pattern (CAGP) for Undergraduate (UG) B.E Programme of the University of Mysore, Mysuru as per NEP 2020.
- 12 The Regulations are subject to amendments made by University of Mysore (UoM) and by the Academic Council with the approval of the Governing Body from time to time and keeping the recommendations of the Board of Studies (BoS) in view.
- 13 These Regulations shall govern all the students seeking admissions to B.E. programmes offered by Mysore University School of Engineering (MUSE) under Autonomous Scheme from the academic year 2025-26.

2.0 PRELIMINARY DEFINITIONS AND NOMENCLATURES

- “AICTE” means All India Council for Technical Education
- “Commission” means University Grants Commission.
- “University” means University of Mysore.
- “UoM” means University of Mysore.

- “**MUSE**” means Mysore University School of Engineering
- ‘**BOS**’ means Board of Studies of various departments of MUSE
- ‘**BOE**’ means Board of Examiners of various departments of MUSE
- ‘**Programme**’ means a Higher Education programme pursued for a degree awarded by the University as specified under Section-22(3) of the UGC Act, i.e Bachelor of Engineering (B.E) degree programme
- ‘**Regular Students**’ means students who are admitted to the first year of the respective Programme
- ‘**Lateral Entry**’ means students who are admitted to the third semester or 2nd year of the respective programme.
- **Academic Bank of Credits (ABC):** The Academic Bank of Credits (ABC), is a National-level facility that will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the Higher Educational Institutions in the country with an appropriate “credit transfer” mechanism.
- **Academic Year:** Two consecutive semesters (odd followed by an even), including intervening periods constitute one Academic Year.
- **Semester:** One of the two sessions of an Academic Year, generally each session being of sixteen weeks duration (with not less than 90 working days). The odd and even semesters shall be as per the University academic calendar.
- **Choice-Based Credit System (CBCS):** The CBCS provides students with choices from the prescribed set of courses viz. Engineering Sciences, Professional core and electives, Professional and Open Electives, Non-Credit Mandatory Courses, Internships and Skill Courses. Under the CBCS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be earned by the students.
- **Course:** Usually referred to as ‘subject’/ ‘paper’ and is a component of a Programme with defined learning objectives, course out comes and number of credits. The course credits vary depending on the required teaching-learning hours to accomplish the learning outcomes, specified in the course syllabus. A Course may be designed to comprise lectures/ tutorials/laboratory work/ fieldwork/outreach activities/ project work/ vocational training/viva-voce/seminars/term papers/ assignments/ presentations/ self-study components etc., or a combination of some of these.
- **Course Registration:** It is a formal registration to Courses of study every semester by every student under the supervision of a Mentor (also called Faculty Advisor, Counselors) in the college to maintain proper records.
- **Course Code:** An alpha numeric code used to uniquely identify a course in the programmes offered in the University. Three-digit number used as suffix with the Course Code for identifying the level of the course in the University. Digit at hundred’s place signifies the semester in which course is offered, and the tens & unit

place representing the sequence number in a semester in the Scheme of Teaching and Evaluation. For example, BMAT101: Engineering Mathematics - I, BPHY102: Engineering Physics, etc. Here B stands for B.E., MAT-name of the course, Hundred's place of 101 refers to semester of study (First semester) and 01 refers to the serial number of course in that semester.

- **Credit (C):** A unit or weightage by which the Coursework is measured. It represents the number of hours of instructions prescribed per week. One credit is equivalent to one hour of lecture or two hours of laboratory / practical Courses /tutorials / fieldwork etc. per week.
- **Letter Grade:** Course Letter Grade (or simply letter grade or grade) is an index of performance of a student in a said course and refers to a qualitative measure of achievement of a student in each course, based on the percentage range of marks secured in CIE and SEE put together or CIE alone wherever is applicable. Letter Grades used are Outstanding (**O**), Excellent (**A+**), Very Good (**A**), Good (**B+**), Above Average (**B**), Average (**C**), Pass (**P**) and Fail (**F**).
- **Grade Point (G):** Refers to a numerical weightage allotted to each letter grade on a 10-pointscale against a range of percentage of marks secured by students in a course.
- **Credit Point (CG):** This is the product of grade point earned and the number of credits assigned to a Course.
- **Continuous Internal Evaluation (CIE) (also known as Formative Assessment):** Refers to the evaluation of student's performance in the course during the teaching-learning process. CIE shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, field surveys, seminars, etc., conducted during the semester tenure with a weightage for different activities as specified by the University.
- **Course Evaluation:** This represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the Continuous Internal Evaluation (CIE) and the latter part of the evaluation is called Semester End Evaluation (SEE).
- **Semester End Examinations (SEE) (also called Summative Assessment):** This refers to the examinations conducted by the University covering the entire course syllabus at the end of the semester. For this purpose, syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.
- **Semester Grade Point Average (SGPA):** It is a measure of academic performance of a student in a semester. It is the weighted average or weighted mean of the grade points obtained by a student in the various courses of any semester. It results in a number that lies between 0 and 10. It shall be expressed up to two decimal places.

- **Cumulative Grade Point Average (CGPA):** This is a measure of the cumulative performance of a student of all semesters and is computed from the 2nd semester onwards. It is a measure of the overall cumulative academic performance of a student over the entire span of the academic program. CGPA is not an arithmetic mean but a weighted mean. It is also a number that lies between 0 and 10.
- **First Attempt:** A student who has studied in a semester and attended any one of the University examinations of that semester after satisfying attendance and CIE requirements of all the prescribed courses of that semester and has registered for SEE. Such an attempt shall be considered the first attempt. Even if the student is absent for all the semester exams after registering for SEE, such an attempt shall also be considered the first attempt.
- **Grade Card:** Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester-end examination. The grade card shall have the Program details (Course code, title, number of credits, grades secured, along with the SGPA of that semester and CGPA (except for the first semester) earned till that semester.
- **Non-Credit Mandatory Courses (NCMC):** In the case of mandatory non-credit courses, students shall attend the classes during the respective semesters to satisfy the attendance requirements as well as CIE requirements. In case, any student fails to register for the said course/fails to secure the minimum 40% of the prescribed CIE marks, he/she shall be deemed to have not completed the course. In such a case, the student has to fulfill the requirements during subsequent semester/s to appear for CIE. These Courses shall not be considered for CGPA calculation and vertical progression, but completion of the courses shall be mandatory for the award of a degree.
- **Major Degree:** A Major degree in B.E. will be awarded to the students who have completed the specified credits of a program to which he/she admitted. Major degree along with "Honours" distinction will be awarded if a student completes the specified additional number of credits during the regular programme as per the Regulations governing Honours Degree Programme. A student admitted to the Programme shall be eligible to register to "Honours" programme if he/she fulfils the conditions as per the Regulations.
- **Minor Degree:** A Degree along with Minors is awarded in a programme if a student completes the required number of credits of another programme as per the Regulations governing Minor Degree Programme. A student shall be eligible to register to a Minor programme if he/she fulfills the conditions as per the Regulations
- **Mentor:** A Faculty Advisor allotted by the principal to guide about 15-20 students about their registration to the courses and progression in the Programme .
- **Multiple Entry and Multiple Exit (MEME):** The multiple entries and exit points in the academic programmes would remove rigid boundaries and create new possibilities for students. To facilitate flexible learning within the stipulated period (eight years for regular students and 06 years for lateral entry students), multiple-

entry and multiple-exit options are offered to needy students.

- **Passing Standards:** Refers to passing a course only when GP is greater than or equal to 04.
- **Transcript, Grade Certificate and Grade Card:** Grade card shall be issued to candidates indicating the programme details (Course code, title, number of credits, grade secured and grade points) for all the registered courses after every semester. On successful completion of all courses/earning credits, specified in a semester, the grade certificate is issued indicating the programme details along with SGPA of that semester and CGPA earned till that semester. Transcripts to the successful candidates shall be issued after completion of the programme.

3.0 PROGRAMMES OFFERED

Mysore University School of Engineering (MUSE) offers B.E in the following programmes:

- Artificial Intelligence and Data Science
- Artificial Intelligence and Machine Learning
- Biomedical and Robotics Engineering
- Civil Environmental Engineering
- Computer Science and Design
- Computer Science and Engineering

4.0 PROGRAMMES DURATION AND TOTAL CREDITS

4.1 Normal Duration

- 4.1.1 For students admitted to first year, B.E Degree Programme extends over a period of four academic years leading to the Degree of Bachelor of Engineering (B.E) of the Mysore University
- 4.1.2 For students admitted under lateral entry scheme, B.E Degree Programme extends over a period of three academic years leading to the Degree of Bachelor of Engineering (B.E) of the Mysore University.

4.2 Maximum Duration

- 4.2.1 The maximum period within which a student must complete a full-time academic programme is 8 years for B.E. If a student fails to complete the academic programme within the maximum duration as specified above, he/she will be required to withdraw from the programme. However, the student can seek readmission to the first year of the programme as a fresh candidate.
- 4.2.2 For students admitted under lateral entry scheme in B.E. degree programme, the maximum period within which a student must complete a full-time academic programme is 6 years. If a student fails to complete the academic programme within the maximum duration as specified above, he/she will be required to withdraw from the programme.
- 4.2.3 The period is reckoned from the academic year in which the student is admitted first time into the degree programme.

The duration of the programmes and Number of Credits to be earned for award of degree is given in the Table 4.1.

Table 4.1: Program Details

SL. No.	Programmes	Duration (years)		Total No. of Credits
		Min.	Max.	
1.	Bachelor of Engineering (B.E.)	4	8	160
2.	Bachelor of Engineering (B.E.) (lateral entry)	3	6	120

4.3 SEMESTER STRUCTURE

4.3.1 Each academic year is divided into three segments, the first two being main semesters and one being a supplementary/make-up examination. Main semesters are for regular class work. Make-up/Supplementary session primarily for conducting exam for failed students.

4.3.2 Each main semester shall be of 20 weeks duration and this period includes time for Registration of courses, Course work, Examination preparation, Conduct of examinations, Assessment and Declaration of final results.

4.3.3 Each main semester shall have a minimum of 90 working days.

4.3.4 The make-up/supplementary examination shall be conducted at end of EVEN semesters in each year. As the provision is made to take arrears papers along with the regular papers in each regular semester examinations, i.e during the ODD semester one can take odd (regular) and even semester (arrears) courses and similarly during the EVEN semester one can take even (regular) and odd semester (arrears) courses, the make-up/supplementary exams for the arrears of ODD and EVEN semesters will be conducted during the current academic year as explained in Section 11.5 and shown in the Table 11.5.

The make-up/supplementary exam is provided to help the student to reduce their burden of backlog papers. It is optional for a student to make use of supplementary exam.

4.3.5 The University School of Engineering may use the duration of supplementary exam to arrange Add-On Courses for regular students and/or for deputing them for practical training/fieldwork and/or internship.

4.3.6 The Academic Calendar is notified at the start of the semester.

The summary of breakup of Academic Calendar (Odd, Even and Supplementary Semesters) is given in the Table 4.2.

Table 4.2: Academic Year

Sl. No.	Action Plan	Odd Semester	Vacation	Even Semester	Supplementary Exam	Vacation
1.	Registration of courses	One week before the commencement of the semester	2 weeks	One week before the commencement of the semester	Within one week after the announcement of results	4 weeks
2.	Course work	16 weeks		16 weeks	6 weeks	
3.	Preparation	1 week		1 week		
4.	Examinations	2 weeks		2 weeks		
5.	Declaration of Results	1 week		1 week		
TOTAL		20 weeks	2 weeks	20 weeks	6 weeks	4 weeks

5.0 ADMISSIONS

Admission of students to various Programmes shall be made as per the UoM, Government of Karnataka and AICTE Norms that are applicable from time to time.

5.1 Admissions to I year B.E. Programme:

- (i) Candidate should have passed in 2nd PUC / 12th Standard / Equivalent Exam with English as one of the languages and obtained a minimum of 45% of marks in aggregate in Physics and Mathematics along with one of the following subjects, namely Chemistry/Biotechnology/Biology/ Electronics/Computer Science (40% for SC, ST, Cat-1, 2A, 2B, 3A and 3B category candidates of Karnataka).
- (ii) **For admission under Government Quota (CET Quota):** In addition to Section 5.1(i), candidates should have a qualifying rank in Common Entrance Test (CET) conducted by Karnataka Examination Authority (KEA) for candidates of Karnataka domicile.
- (iii) **For admission under Management Quota:** In addition to Section 5.1(i), candidates should have a qualifying rank in either CET or COMED-K or JEE Mains entrance tests.
- (iv) Candidates who have passed a qualifying examination other than 2nd PUC of the Pre-University Education Board of Karnataka, must obtain an eligibility certificate for seeking admission to B.E. Degree Programme from the University.

5.2 Admissions to II-year B.E. Programme (Lateral Entry):

A. Candidates who have passed Diploma:

- (i) Candidates should have passed Three-year diploma or equivalent examination in the appropriate branch of engineering as recognized by Government/University and secured not less than 45% marks [40 % in case of SC, ST and Backward Classes of Karnataka candidates] taken together in all the subjects of the final year (fifth and sixth semesters).
- (ii) Those candidates who have completed Diploma from other than Karnataka state shall provide the Equivalence/Eligibility Certificate from the Director of

Technical Education of the Government.

B. Candidates who have passed B.Sc. Degree: Candidates should have passed B.Sc. Degree from a recognized University as defined by UGC with at least 45% marks (40% in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.

5.3 **Guide Lines to Diploma and B.Sc Holders:** All the Diploma and B.Sc. degree holders seeking admission to lateral entry, shall also pass any deficit courses as specified by the University before the completion of the degree.

5.4 **Eligibility for qualifying exam from foreign countries:** Academic eligibility for admission with regard to the qualification earned from foreign countries, equivalence certificate from the University is mandatory for admission to B.E. programs. If the candidate appeared for 12th or II PUC courses at foreign center recognized by Indian central board shall be considered for additional admission under NRI

5.5 **Application of Foreign Nationals:** The foreign students/NRI students shall apply through International Centre for Admission to B.E. Programs under the Foreign National Quota fixed by the University and approved by the UGC/AICTE from time to time.

6.0 COURSE STRUCTURE AND CREDIT SYSTEM

6.1 Every course offered under CBCS carries credits which are specified in the scheme of the study and the credit allocation is as given in Table 6.1.

Table 6.1: Credit Allocation

1(One) hour Lecture per week = 1(One) credit
2(Two) hours Tutorials per week = 1(One) credit
2(Two) hours Practical / lab / drawing per week = 1(One) credit

6.2 A specific course would be assigned credits, as Lecture Credits (L), Tutorial Credits (T) and Practical Credits (P) based on the academic load in accordance with the definition given above and the details are as given in the Table 6.2:

Table 6.2: Credit Values				
Theory/Lectures (L) (hours/ week/ Sem)	Tutorials (T) (hours/week/Sem)	Laboratory/Practical (P) (hours/ week/ Sem)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	2	3:0:1	4
2	2	2	2:1:1	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
0	0	6	0:0:3	3
2	0	0	2:0:0	2
1	0	0	1:0:0	1
0	0	2	0:0:1	1

6.3 A student can register for a course for earning credits in order to meet the academic requirements of the programme, as stipulated in Table 4.1. Such courses together with

the grades obtained and the credits earned will be included in the Grade Card issued by the University at the end of each semester and they form the basis for determining the academic performance of the student in that semester.

- 6.4** In addition, a student can register for a course for additionally, with the objective of supplementing knowledge / skills. In such cases, the courses will be recorded in the Grade Card as audit courses and will be awarded “U” grade. The performance in such audit courses will not be taken into account in determining the academic performance of the student in that semester.
- 6.5** A student must secure a **minimum CGPA of FIVE (5)** and earn total number of credits as mentioned in the Table 4.1 in order to qualify for the award of a degree.
- 6.6** A student shall be eligible to obtain an Undergraduate degree with Honours/Minors (*Refer Sec 18.0 and Sec 17.0*), if he/she earns additional more than or equal 18 credits, as specified by the University from time to time regarding the earning of additional credits.

6.7 Multiple Entry and Exit Option

Entry I: (at 1st Semester) A program of study leading to entry into the first year of Bachelor of Engineering degree is open to those who have met the entrance requirements, including specified levels of attainment at the secondary level of education specified in the program admission.

Exit 1: The exit option is given to the student at the end of the 1st year (after the second semester). The student must complete all academic requirements of First Year of the Undergraduate Program and earned requisite credits of first and second semesters for the recommendation of the Director of the School of Engineering to obtain **Undergraduate Certificate** from the University of Mysore.

Note: The option is open to those who have left after the completion of first year of the program and want to join back for the continuation of their study subject to the condition of a maximum duration of 8 years from the date of first year admission.

Exit 2: The exit option is given to the student at the end of 2nd year (after the 4th semester). The student must complete all academic requirements to complete the two years of the undergraduate program and earned requisite credits from 1st to 4th semesters and on recommendation of the Director, MUSE to get **Undergraduate Diploma**.

Exit 3: The exit option is given to the student at the end of 3rd year (after the sixth semester). The student must complete all academic requirements to complete the three years of the undergraduate program and earned requisite credits from 1st to 6th semesters and on recommendation of the Director, MUSE to get **Bachelor of Vocational Education**.

Note: Exit option for lateral entry students applicable at the level of Exit-2 and Exit-3 only.

Multiple Entry: Students opting for multiple entries at 3rd, 5th, 7th semester level must undergo mandatory internship as prescribed and earn credits accordingly as shown in the Table 6.3.

Table 6.3: Credit Framework for the Movement in Bachelor of Engineering (B.E.) Courses

Sl. No	Academic Level	Entry Qualification at Different Levels	Exit Qualifications at Different Levels	NHEQF/ NSQF Level	Unified Credit Level (UCF)
01	Final Year Diploma	A Candidate completing 10+2 of Diploma or 12 th Standard or equivalent Vocational with NHEQF/NSQF level 4/UCF level 4	Diploma	Level 5	4.5
02	1 st Year UG Degree	12 th Completed	Undergraduate Certificate	Level 5	4.5
03	2 nd Year UG degree	A candidate with Diploma in appropriate branch of Engineering/Equivalent Vocational or Technical Program with NHEQF level 5/UCF level 4.5 completed	Undergraduate Diploma	Level 6	5.0
04	3 rd Year UG Degree	A Candidate with 10+4 /12+2 in appropriate branch in Engineering with NSQF level 6/UCF level 5 completed	Bachelor of Vocational Education	Level 7	5.5
05	Final Year UG degree	A candidate with 3 years Bachelor degree in Vocation or in appropriate branch in engineering with NHEQF level 7/UCF level 5.5 completed	B.E. Degree	UG Engineering Degree	6.0

6.8 Course Load

The permissible course load during a main semester (Odd/Even) of any programme shall be within the limits of a minimum of 16 credits and a maximum of 28 credits. In any case, the number of credits shall not be less than 16 after dropping/ withdrawal of a course/(s) in that semester.

6.8.1 COURSES OF B.E PROGRAMMES: There shall be the following types of Courses in the B.E. programme, namely:

- 1) Basic Science Courses (BSC),
- 2) Engineering Science Courses (ESC),
- 3) Professional Core Courses (PCC),
- 4) Professional Elective Courses (PEC),
- 5) Open Elective Courses (OEC),
- 6) Integrated Professional Core Courses (IPCC),
- 7) Project Work (PROJ),
- 8) Seminars (SEMI)
- 9) Internship (INT),
- 10) Non-Credit Mandatory Courses (NCMC),
- 11) Ability Enhancement Course (AEC),
- 12) Humanities, Social Sciences and Management Course (HSMC)
- 13) Universal Human Value Courses (UHV) and
- 14) Languages.

6.8.2 The **list of different types of theory courses and the practical courses** being studied in the programmes are as mentioned below along with brief details:

- 1) **Basic Sciences Courses (BSC):** These courses include Mathematics, Physics, Biology and Chemistry. These are mandatory for all disciplines.
- 2) **Engineering Sciences Courses (ESC):** These courses include Workshop, Drawing, Basics of Electrical/Civil/Mechanical/Computer Engineering, Materials etc. These are mandatory for all disciplines
- 3) **Professional Core Courses (PCC):** These are the courses to be compulsorily studied by a student as a core requirement to complete the requirements of a programme in a said discipline of study.
- 4) **Integrated Professional Core Courses (IPCC):** These courses refer to Professional Theory Core Course Integrated with Practical component of the same course. Credit for IPCC can be 04 considering L: T: P as 3:0:2 or 2:2:2. For an IPCC, the theory component shall be evaluated by both CIE and SEE, and the practical component is evaluated by CIE only (there shall be no semester-end examination (SEE) for the practical component). Any theory course of 03 credits may be of integrated type, in such cases, L: T: P as 2:0:2 or 1:2:2.
- 5) **Professional Elective Courses (PEC):** These are the courses from which a student can choose and study as part of the requirement to complete the programme in a said discipline of study.
- 6) **Open Elective Courses (OEC):** These courses are supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline/ domain and they are chosen from the pool of courses.
- 7) **Skill development Courses (SDC):** These courses will be nurturing student proficiency skills. These courses are offered to achieve the programme outcomes not specifically covered by the other courses.
- 8) **Ability Enhancement Courses (AEC):** These are the generic skill courses which are basic and needed to all to ensure progression across all careers.
- 9) **Humanities, Social Sciences and Management Course (HSMC):** include Management, Skill enhancement and Economics, Constitution of India etc. These are mandatory for all disciplines.
- 10) **Non-Credit Mandatory Courses (NCMC):** These are courses on peripheral subjects in a programme, wherein familiarity is considered mandatory. These Courses are mandatory, without the benefit of a grade or credit, for students admitted to B.E. Program. A pass in each mandatory Course is required to qualify for the award of degree.
- 11) **Major Project Work (PROJ):** Based on the ability/abilities of the student/s and recommendations of the mentor, a disciplinary or an inter-disciplinary major project can be assigned to a group having not more than 4 students. The main project work needs to be taken up within the institute/ research laboratory/industry. It is desirable, that the outcome of the project work may be published/patented.

12) **Mini Project Work (MIP):** A Mini Project is a laboratory/ societal/ Industry-oriented work that will provide a platform for students to enhance their practical knowledge and skills through the development of small systems/ applications based on the ability/abilities of the student/s and recommendations of the mentor, a disciplinary or an inter-disciplinary mini-project can be assigned to a group having not more than 4 students.

13) **Internship (INT):** The internship is an extended period of work experience undertaken by the students aspiring to supplement their degree with professional development. The students are allowed to prepare themselves for the workplace and develop practical skills. The Internship shall be completed during the period specified in the Scheme of Teaching and Evaluation.

The institution shall encourage students to take up,

- (i) an interdisciplinary Research Internship or Industry internship and
- (ii) a rural internship, a work-based activity carried out to learn practical experiences in rural areas, for the upliftment of living standards.

With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship in their home town (within or outside the state or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide.

The University/College shall not bear any cost involved in carrying out the internship by students.

14) **Universal Human Value Course (UHV):** The courses which teach: a holistic perspective based on self-exploration about themselves (human beings), family, society, and nature. Understanding (or developing clarity) of the harmony in the human being, family, society, and nature. These are mandatory for all disciplines.

15) **Technical Seminar (TS):** Technical Seminar is one of the heads of passing.

- i. Each candidate shall deliver a Technical seminar on the topic chosen from the relevant field/ list provided by the department.
- ii. The Head of the Department shall make arrangements for the conduct of seminars through concerned faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of two senior faculty members of the Department and the senior-most among them acting as the Chairperson.

All Credit courses carry a maximum of 100 marks. A typical structure of the courses and credit distribution for B.E Program is given in Table 6.4

Table 6.4: Categories of courses for B.E.

Sl. No	Category of Courses	Credit Distribution
1	Humanities, Social Science & Management courses (HSMS)	07
2	Basic Science Courses (BSC)	25
3	Engineering Science Courses (ESC)	26
4	Professional Core Courses (PCC)	55
5	Professional Elective Courses (PEC)	12
6	Open Elective Courses (OEC)	13
7	Project work, Seminar and Internship	19
8	Mandatory Courses (Environmental Sciences, Indian Constitution, Indian Knowledge System)	03
9	Non-Credit Mandatory Courses	-
Total Credits		160

7.0 REGISTRATION

7.1 Registration Procedure:

- (i) Students should register for all the courses as per the scheme of study in each of the main semesters (Odd/Even)
- (ii) Only the students who are permitted for vertical movement from a year of study (even semester) to the next year of study (odd semester) as briefed in Section 15.0, are eligible for registrations during the odd semesters. However, there is no restriction for movement from OOD semester to EVEN semester.
- (iii) Registration to courses shall be done with the respective Faculty Advisor (Proctor/Mentor), by appearing in person, during the dates specified in the academic calendar.
- (iv) Registration after the specified last date is not permitted.
- (v) The prescribed registration fees shall be paid by the students and the fee paid receipt should be produced to the respective Faculty Advisor.

Note: As mentioned in sec 6.8, the B.E. students must normally register for a minimum of 16 credits and may register up to a maximum of 28 credits based on the proctor's advice. On an average, a student is expected to register for 22 credits.

7.2 Re-registration of Courses:

- (i) Students who have dropped/withdrawn from a course or obtained 'NE' Grade in a course, in any semester, should repeat those courses in their entirety by re-registering as and when this is offered next or in supplementary semester if offered.
- (ii) If a student has dropped/withdrawn from a course or obtained 'NE' Grade in a

core course (Hardcore), then the student shall re-register for the same course when offered next.

- (iii) If a student has dropped/withdrawn from an elective course (Softcore) or obtained NE' Grade in an elective course, then the student shall have an option of re-registering the same elective course when offered next or re-register for any other equivalent elective course.
- (iv) If a student obtains 'F' Grade in project / internship, then the student must take up new project / internship topic.

7.3 Dropping of Courses:

- (i) A student with poor performance in CIE can drop the identified course(s) on advice from the Faculty Advisor (Proctor/Mentor).
- (ii) Such students, who want to drop a course, shall do so *within one week after the first internal assessment test* or within the specified date mentioned in the academic calendar, by applying in the prescribed format through the Course Instructor, Faculty Advisor and HOD to the Head of the institution for the permission to drop. Students are not permitted to drop any course after the specified date.
- (iii) The course(s) dropped shall not be mentioned in the Grade Card.
- (iv) A student is permitted to drop more than one course in a semester. However, the number of credits in that semester cannot fall below 16 after dropping.
- (v) A student is not allowed to drop experiential learning and activity-based courses viz., laboratory, skill development, career electives, major project, and internship courses.
- (vi) A student is not allowed to drop the same course more than once.
- (vii) The student should have maintained the minimum attendance ($\geq 85\%$) in the course, as on the date of dropping of course.
- (viii) If the dropped course is a core course, students have to re-register for the same course when offered in the subsequent semesters. If the dropped course is an elective course, the student has the option to re-register for the same elective or equivalent elective when offered in the subsequent semesters.

7.4 Withdrawal from Courses:

- (i) A student with poor performance in CIE can withdraw from the identified course(s) on advice from the Faculty Advisor (Proctor/Mentor).
- (ii) Such students, who want to withdraw from a course, *shall do so towards the end of the semester* or within the specified date mentioned in the academic calendar, by applying in the prescribed format through the Course Instructor, Faculty Advisor and HOD to the Head of the Institution for the permission to withdraw. Students are not permitted to withdraw from any course after the specified date.
- (iii) Student who is permitted to withdraw from a course will be temporarily awarded 'W' Grade in that course, with a mention of it in the Grade Card. Such

students will have to re-register to the withdrawn course in the supplementary semester if offered or forth coming semester after paying the prescribed fees.

- (iv) 'W' grade shall be converted to one of the other letter grades (S to F) after the completion of the withdrawn course.
- (v) Students are permitted to withdraw from more than one course in a semester. However, the total number of credits in that semester must not fall below 16 after withdrawal.
- (vi) A student is not allowed to withdraw from experiential learning and activity-based courses viz., laboratory, skill development, career electives, major project, and internship courses.
- (vii) A student is not allowed to withdraw from the same course more than once.
- (viii) The student should have maintained the minimum attendance ($\geq 85\%$) in the course as on the date of withdrawing from the course.

8.0 ATTENDANCE REQUIREMENT

- (i) A student must obtain a minimum attendance of 85% in each course to appear for the Semester End Examination (SEE). In Theory and Practical Integrated (IPCC) courses attendance shall be separately counted for theory and laboratory part and a minimum of 85% attendance shall be put in by a student for both theory and practical part.
- (ii) Students who have attendance between 75% and less than 85% may get condonation of attendance by the Director/Principal, only on valid grounds such as hospitalization, participation in university and intercollegiate sports, cultural activities and participation in seminar, workshop, and paper presentation with prior permission. Students must submit the request for condonation of attendance in the prescribed format with supporting documents and duly recommended by the HoD at least one week before the last working day of the semester, failing which condonation of attendance will not be considered.
- (iii) Students having less than 75% are not eligible for condonation of attendance on any ground.
- (iv) If a candidate fails to satisfy the minimum attendance requirements in one or more courses, 'NE' grade is awarded to that course(s) and the candidate must repeat such course(s) in their entirety by re-registering as and when offered in the regular semesters.
- (v) The basis for the calculation of attendance shall be the period prescribed by the institute in its calendar of events. For I semester B.E. & III semester B.E. lateral entry students, the attendance is reckoned from the date of admission. For all other semesters, attendance will be counted from the date of commencement of class as announced in the institute academic calendar.
- (vi) It is mandatory on the part of the students to regularly check the status of their attendance with the respective faculty.

9.0 CHANGE OF BRANCH

(A) Procedure for Change of Branch

- (i) A student admitted to a branch of the undergraduate programme shall normally continue to study in that branch till completion. However, in special cases a student admitted to a branch of the undergraduate programme shall be permitted to change from one branch of study to another at the beginning of III semester only.
- (ii) Change of branch shall be permitted in accordance with the provisions laid down by the University.
- (iii) Change of branch shall be permitted, if the strength in any branch does not fall below 75% of the admissions at first year level in the respective branch/branches. This admission at first year excludes all supernumerary admissions viz., fee waiver quota (SNQ), J&K quota, PIO, GOI, PM quota etc.
- (iv) Change of branch can be made only against the clear vacancy in the branch. Vacancy, 'V' being defined as

$$V = I - (\text{Reg} + \text{Rep})$$

Where, I = Sanctioned intake for the branch prescribed by AICTE for the previous academic session when the students were admitted at 1st semester level.

Reg = No. of regular students who become eligible to be promoted to III semester as per vertical progression norms, excluding all supernumerary admissions viz., SNQ, GOI, PIO etc.

Rep = No. of students from previous batch who become eligible to join III semester.

- (v) Change of branch shall be strictly in the order of merit of the applicants and those who have cleared all the courses of I and II semester in first attempt only. For this purpose, the CGPA obtained at the end of the second semester shall be considered.
- (vi) Branch once changed cannot be reverted and/or changed again.
- (vii) Change of branch shall not be considered as a matter of right.

(B) Eligibility to Apply

- (i) Only those students who are eligible for III semester as per vertical progression regulations (Section 15.0) shall be eligible to apply for change of branch.
- (ii) SNQ category of students are not eligible for change of branch as per Karnataka State Government norms.
- (iii) GOI admitted students, foreign nationals and PIO quota students are eligible for applying for change of branch, however, their applications will be considered under sanctioned intake only. These cases could be considered only if vacancy exists after change of branch of regular students.

(C) Procedure for Applying for Change of Branch

- (i) The University/College will invite applications for change of branch for the

academic year.

- (ii) The students shall apply to the University/College with the non-refundable application fee as fixed and notified by the University/College in this regard.
- (iii) No requests/applications would be entertained after the last date notified.
- (iv) Applying for change of branch does not guarantee the approval for change of branch.

(D) Generation of Merit List

- (i) Based on applications received, University/College will prepare the merit list as detailed below
 - (a) Students who have passed in all subjects in first attempt shall be placed above in the merit list, as per CGPA.
 - (b) Foreign students (admitted under any quota) and students admitted under GOI and PIO etc. will be placed last in the merit list.
- (ii) Ties, in case, shall be resolved by considering the number of 'O' grade letters scored. If not resolved with 'O' grade letter then the letter grade 'A+' will be considered and so on.
- (iii) Merit list does not depend on the re-evaluation process.

10.0 WITHDRAWAL FROM THE PROGRAMME

10.1 Temporary Withdrawal

- (i) A student who has been admitted to a degree programme of the college may be permitted to withdraw temporarily, for a period which is an integral multiple of a semester on the grounds of prolonged illness or grave calamity in the family etc., provided that:
 - (a) The student applies to the College within at least 6 weeks of the commencement of the semester or from the date he/she last attended the classes, whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of his/her parent/guardian.
 - (b) The College is satisfied that, even after counting the expected period of withdrawal, the student has the possibility to complete his/her requirements of the degree within the time limits specified by the University.
 - (c) There are no outstanding dues or demands, with the Department/College/Hostel/Library, etc.,
 - (d) The tuition fees for all the subsequent semesters may be collected in advance before giving approval for such Temporary Withdrawal, until such time his/her name appears in the student's roll list. However, the fees/charges once paid shall not be refunded.
 - (e) Scholarship holders are bound by the appropriate rules applicable to them.
- (ii) Normally, a student would be permitted to avail the temporary withdrawal facility as a special case only once during his/her tenure as a student and this

withdrawal period shall also be counted for computing the duration of study as specified by the University.

- (iii) If a student has withdrawn from the programme for reasons of employment, when rejoining the programme, he/she should obtain the necessary permission from his/her employer for rejoining. This permission letter must be submitted at the time of rejoining.

10.2 Permanent Withdrawal

- (i) Any student who withdraws admission before the closing date of admission for the academic session is eligible for the refund of the deposits only, if any. Fees once paid will not be refunded.
- (ii) Once the admission for the year is closed, the following conditions govern withdrawal.
 - (a) A student who wants to leave the College for good, will be permitted to do so (and take Transfer Certificate from the College, if needed), only after remitting the tuition fees as applicable for all the remaining semesters and clearing all other dues, if any.
 - (b) Those students who have received any scholarship, stipend or other forms of assistance from the College shall repay all such amounts.

11.0 ASSESSMENT AND EVALUATION PROCEDURE

All the Assessments and Evaluation shall be conducted as per the University calendar of events in all the courses of the programme offered to the students, within the framework of Scheme of Teaching and Evaluation approved by the University. The details of Assessment and Evaluation for specific theory and practical courses, including theory question paper setting patterns, approved by the University are included in **Annexure- I**.

11.1 Assessment and Evaluation Process

- (i) CIE and SEE constitute the major evaluations prescribed for each course, with only those students maintaining a minimum standard in CIE are permitted to appear in SEE of the course.
- (ii) In such cases where a laboratory is attached to the course, CIE marks shall be awarded separately for both theory and the laboratory. However, the laboratory may not have the SEE component in the evaluation.
- (iii) The assessment will comprise of Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). Both CIE and SEE are assigned equal (50:50) weightage as they are equally important in judging the course work performance of students. They are to be conducted with equal rigor and seriousness.
- (iv) CIE and SEE to carry 50% weightage each, to enable the course to be evaluated for a total of 100 marks, irrespective of its credits.
- (v) The evaluation system of the programme is comprehensive and continuous during the entire period of Semester, by the faculty who is teaching the course.

For a course, in general, the evaluation and grading will be on the following parameters:

A	Continuous and Comprehensive Evaluation (CCE)	20 marks
B	Internal Assessment Tests (IAT)	30 marks
	Total of CIE (A+B)	50 marks
C	Semester End Examination (SEE)	50 marks
	Total of CIE and SEE (A + B + C)	100 marks

(A) Consideration of CIE and SEE to decide the Academic Performance

(I) In Credit Courses

- (i) Student's performance in all credit courses [excluding Major Project (Phase-I) Technical Seminar, Internship, AEC courses etc] shall be assessed and grades will be awarded by considering the performance in both CIE and SEE i.e., Total Marks considered in awarding a grade in credit course is,

Total Marks = CIE Marks + SEE Marks

- (ii) Student's performance in Major Project (Phase-I), Technical Seminar, Internship, AEC courses etc shall be assessed, and grades will be awarded by considering the performance in CIE only i.e., Total Marks considered in awarding a grade in these courses is

Total Marks = CIE Marks Only

(II) In Non-Credit Mandatory Courses

- (i) Student's performance in Non-Credit Mandatory courses shall be assessed considering the performance in CIE only.

Total Marks = CIE Marks Only

- (ii) In Non-credit Mandatory courses, student will be only considered Pass/Fail based on the performance (Total Marks) and no grade will be awarded.

- (iii) A "Pass" in Non-credit Mandatory course shall be a compulsory requirement for the student to qualify for the award of degree.

11.2 Continuous Internal Evaluation (CIE)

CIE is conducted by the course instructor all through the semester. CIE is the summation of Internal Assessment Tests (IA) and Continuous Comprehensive Evaluation (CCE). CIE has different components depending on the type of course.

11.2.1 CIE Assessment Pattern - Theory-based Courses

This section of regulations is applicable to all theory-based courses. The **minimum CIE marks requirement is 40% of maximum marks in each heading/component.**

	Components	Number	Weightage	Max. Marks	Min. Marks
(i)	Internal Assessment Tests [IA] (A)	3	60%	30	12
(ii)	Quizzes (B)	2	20%	10	04
(iii)	Activity Based Assessment [ABA] (C)	1	20%	10	04
	Total Marks			50	20

Final CCE Marks = (A) + (B) + (C)

(I) Activity Based Assessment (C)

- (i) ABA will be designed to assess higher order cognitive skills and professional or generic skills.
- (ii) Includes Assignments (Individual and/or Group), seminars, surveys, use of modern tools, group discussions, open-ended problem-solving assignments, mini-projects, MOOCs, paper publications, activities and other means excluding module tests and group assignments.
- (iii) Marks awarded is based on the rubrics described by the course instructor for the identified assessment tool. Assessment can be made for any higher marks and then scaled down to the maximum marks assigned for ABA, if required.

11.2.2 CIE Assessment Pattern – Integrated Courses

This section of regulations is applicable to all integrated courses (theory and laboratory-based) as shown in the table below:

Components		Number	Weightage	Max. Marks	Min. Marks
Theory	Internal Assessment Tests (A)	3	40%	20	08
	Quizzes (B)	2	20%	10	04
	Total			60%	30
Laboratory	Class work/journal/viva-voce	Continuous	24%	12	05
	Test	1	16%	08	03
	Total			40%	20
Total Marks				50	20

11.2.3 CIE Assessment Pattern – Laboratory-based Courses

This section of regulations is applicable to all laboratory-based, activity-based and experiential learning courses viz., Social Innovation, Engineering Exploration, Career Electives (Add-on Courses) etc.

Components		Weightage	Max. Marks	Min. Marks
(i)	Class work/journal/viva-voce (A)	60%	30	12
(ii)	Lab Test (B)	40%	20	08
Total Marks			50	20

Final CIE Marks = (A) + (B)

11.2.4 CIE Assessment Pattern – Major Project Courses

A. General

- (i) Projects shall be evaluated by Departmental Project & Internship Evaluation Committee (DPIEC) for B.E. programmes, according to the rubrics. The same committee shall evaluate all phases of Major Project.
- (ii) The plagiarism report duly verified and signed by the respective project guide will have to be included in the final project report.

B. Assessment Pattern

(I) Major Project (Phase-I)

- (i) Assessment of Major Project (Phase-I) shall be based on the identification of problem statement, review of literature, defining objectives, writing a business plan/review paper etc. A report and presentation shall be given by the students to this effect.
- (ii) The title of the Major Project approved by DPIEC during the Phase-I assessment cannot be changed in Phase-II.
- (iii) The CIE marks awarded for Project Work shall be based on the evaluation of the Project Report, Project Presentation skill, and Viva-voce in the ratio of 50:25:25.

(II) Major Project (Phase-II)

- Major Project (Phase-II) shall be assessed in 2 sub-phases

Phase		Max. Marks
(i)	Phase-IIA	50
(ii)	Phase-IIB	50
Total Marks		100

CIE Marks = Phase-IIA Marks + Phase-IIB Marks

- It is to note that the phase-IIB may be planned for poster presentation type and accordingly the rubrics to be planned.

11.2.5 CIE Assessment Pattern - Internship Courses

A. General

- (i) Internships shall be evaluated by Departmental Project & Internship Evaluation Committee (DPIEC) according to the rubrics. Rubrics will be specific to the nature of Internship carried out.
- (ii) Students can undergo internship in Industries, R&D Organizations, Educational Institutes of repute, Parent College, Centers of Excellence inside or outside the college, through AICTE Internship portals etc.
- (iii) If the internship is carried out in any organization outside the college or Centers of Excellence established by the college/external agency, then the expert other than the Internal Guide, to whom the student reports and does the internship under their guidance will be called an External Guide.
- (iv) If the Internal Guide himself is the expert in the Centers of Excellence of the college, then he/she will also be an External Guide.
- (v) Students will record day-to-day experience and the insights gained in a Work diary and it should be endorsed by the External Guide.

B. Assessment Pattern

- (i) Assessment of Internships shall be based on the fulfillment of relevant outcomes, feedback from External Guide, maintenance of progress diary, report writing, presentations etc.

11.2.6 CIE Assessment Pattern – MOOCs Online Courses

For MOOCs Online course there will be no CIE and SEE. The grade awarded in the online course certificate provided by the competent authority will be considered. If grades are not mentioned, but marks are mentioned in the online course certificate, then, the marks are converted to equivalent Letter Grade.

11.2.7 Minimum Marks to Obtain in CIE (Passing Standards in CIE)

Table 11.2.7: Minimum CIE Marks to be Eligible to take SEE

Programme	Courses	Passing Standards in CIE
B.E.	(A) Theory Courses	40% of Marks in all the Assessment Tools
	(B) TPI Courses	40% of Marks in all the Assessment Tools
	(C) All other courses*	40% of Marks in all the Assessment Tools

TPI Courses- Theory-Practical Integrated Courses

* Other courses are such as Labs, Mini/Major projects, seminars, internships etc

- (i) In any credit course, to be considered eligible to write SEE, a student must obtain 40% of the maximum marks allotted in all the assessment components of that course. In any mandatory non-credit course, to be considered to have passed, a student must obtain 40% of the maximum marks allotted in all the assessment components of that course.
- (ii) In credit courses, if a student fails to obtain **Min. CIE marks in any/all** the assessment components, such students shall be awarded 'NE' grade for that course and will not be permitted to take SEE. In mandatory non-credit course, if a student fails to obtain Min. CIE marks in any/all the assessment components, such students shall be awarded 'NP' grade for that course.
- (iii) The students with 'NE' grade and/or 'NP' grades must repeat the course in its entirety by re-registering to that course in the subsequent main semesters when it is offered by the department.
- (iv) In mandatory non-credit courses, students securing minimum CIE marks will be considered 'Pass' and awarded 'PP' Grade. There will be no SEE for these courses.
- (v) A 'Pass' in mandatory non-credit course shall be a necessary requirement for the student to qualify for the award of degree.
- (vi) In credit courses for which SEE is not conducted, students obtaining minimum CIE marks or more than the minimum marks in all the components of assessment are eligible to be awarded an equivalent Letter Grade based on the total CIE marks scored, Students failing to obtain minimum CIE marks in any/all the assessment components will be awarded 'F' grade and such students must repeat the course in its entirety by re-registering to that course as mentioned in the clause 11.2.7 (iii).
- (vii) In Major Project (Phase-I) of VII semester, Students failing to obtain minimum CIE marks will have to rework on the assessment criteria in the VII semester vacation, present the work before DPIEC for re-assessment and obtain a Passing Letter Grade with the minimum CIE marks before proceeding to carry out Major Project (Phase-II).

11.2.8 Compensatory Test / Quiz

A. Eligibility

- (i) A student having satisfactory attendance in the course but remained absent for the test/quiz due to valid reasons like serious illness or representing college in the co-curricular and extra-curricular activities with prior permission from the HOD.
- (ii) A student is eligible to take only one compensatory test/quiz for a course in a semester.
- (iii) Students involved in malpractice during test/quiz will not be eligible.
- (iv) Compensatory test/quiz is not for improvement of marks.

B. Procedure

- (i) Eligible students will have to submit a request letter in the prescribed format with all supporting credentials to claim for a compensatory test /quiz to respective HOD forwarded through their mentor within one week after the test/quiz to which he/she is absent.
- (ii) Eligible students will appear before a committee/HOD, which will grant the permission after verifying all the documents and ascertaining that the student's claim is genuine and deserving.

C. Schedule: During 15th week on normal working days or weekends or as decided by the course teacher by taking permission from HOD and approval from the Director/Principal.

D. Syllabus: Complete syllabus/syllabus of the test/quiz for which the student is absent, as decided by the committee/HOD depending on the reasons for which the benefit is claimed.

E. Marks Scored in Compensatory Test

- (i) Marks scored in compensatory test shall be considered for computation of CIE marks in place of the test/quiz in which student was absent.
- (ii) If a student is absent for more than one test/quiz, the marks secured in compensatory test/quiz is considered for any one of the absent test/quizzes and he/she is considered absent for other test/quiz.

11.3 Semester End Examination (SEE)

11.3.1 Details of SEE

(A) Courses for which SEE is Conducted

- (i) All credit courses in B.E. programmes shall have SEE. However, a few courses involving experiential learning, self-learning and activity-based learning viz., Major Project (Phase-I), Technical Seminar, Internship, AEC, MOOCs Online Courses etc. will not have SEE and will be notified in the Scheme of Teaching and Evaluation.
- (ii) In Theory-Practical Integrated (TPI) courses, SEE shall be conducted only for the theory part of the course and not for the laboratory part. Laboratory part of the course shall be assessed in CIE only.

- (iii) Mandatory non-credit courses in B.E. Programmes will not have SEE.
- (iv) Only those students who satisfy the attendance requirement and CIE requirement shall be eligible to appear for SEE of that course.

(B) Maximum Marks

- (i) In UG Programme, SEE for all theory courses, laboratory courses etc will be conducted for a maximum of 100 marks, and later reduced to 50 marks wherever it is applicable as per the scheme of Teaching and Evaluation. Table 11.3.1B shows the maximum marks and their scale down:

Table 11.3.1B: Courses in SEE and Maximum Marks

Course Type	Max. Marks	Duration	Remarks
Theory Courses	100	3 hr	Marks reduced to 50
TPI Courses (Theory Only)	100	3 hr	Marks reduced to 50
Laboratory courses	100	3 hr	-
Seminar/Internship/Mini-Project	100	3 hr	-
UG - Major Project (Phase-II)	100	3 hr	-

(C) Minimum Marks to Obtain in SEE (Passing Standard in SEE)

Table 11.3.1C: Minimum SEE Marks

Programme	Courses	Passing Standards in SEE		
		Percentage	Marks	After scale down
B.E.	All Courses	40% of SEE Marks	40 out of 100	20 out of 50

- (i) A student failing to obtain minimum SEE marks, as mentioned in the Table 11.3.1C, will be awarded 'F' Grade or 'X' Grade depending on the case. However, 'X' Grade will not be awarded in make-up examinations.
- (ii) A student securing 'F' grade in any courses, shall reappear for that course during the subsequent make-up exam/SEE. The CIE marks awarded to the student at the first attempt in the concerned course shall be carried forward. Revised CIE marks are considered only for courses where grade 'NE' was awarded.
- (iii) Students who obtain X Grade will be permitted to appear for make-up examinations.

(D) Passing Standard in the Course for Award of Credit and Grade

Table 11.3.1D: Passing Standards for Award of Grade

Programme	Courses	Passing Standard in a Course: Total Course Marks = Sum of CIE + SEE marks*	
		Percentage	Marks
B.E.	All Courses	40% of Total Course Marks	Min. 40 out of 100

*Courses for which SEE is not conducted, CIE marks would be the Total Marks for that course

- (i) Only those students meeting the passing standards in a course as per the Table 11.3.1D shall earn the prescribed credits for the course and shall be eligible to

be awarded a corresponding Passing Letter Grade based on his/her performance as detailed in Section 12.0

(E) Examiners for laboratory-based, activity-based and experiential learning courses

- (i) Laboratory courses shall have two internal examiners, preferably having more than three years of experience and having taught the subject.
- (ii) Other activity-based and experiential learning courses shall be evaluated by the course instructor/course coordinator/internal subject expert as examiner/s.
- (iii) Major project (Phase II) course of VIII semester B.E. shall be jointly evaluated by two examiners (Internal/ External) based on the report, presentation and vova-voce in the ratio of 50:25:25.

(F) Absent to SEE

- (i) A student who remains absent to SEE due to valid reasons like serious illness/disaster in his/her family should immediately apply for the award of 'I' Grade in that course. Applications received after the conduction of examination shall not be considered (*Refer to section 12.8.1 for more details*).
- (ii) A student who remains absent to SEE without any valid reasons will be awarded 'F' Grade. Such students of B.E. programme will have to reappear for the examinations of that course in the subsequent make exam/semesters.

11.3.2 Eligibility to take up SEE

- (i) Students who have registered to the course(s), and satisfy the attendance and CIE requirement in that course(s).
- (ii) Students who have paid the prescribed fee.
- (iii) Students who do not have any pending disciplinary action by the College/university against him/her.

11.4 Evaluation Process

11.4.1 First Evaluation and Moderation

(I) First Evaluation: Answer scripts (coded scripts) of each class shall be evaluated by an examiner from the panel of examiners, preferably having a minimum of 3 years of experience, according to the scheme of evaluation for the respective course.

(II) Moderation

The answer scripts are blind reviewed to ensure quality and accuracy of evaluation as per scheme.

(a) Moderator: An external/internal examiner chosen from the panel of examiners approved by the BOE.

(b) No. of Scripts: 10% of total scripts spanning the entire range of marks awarded in first valuation are selected for moderation.

(c) Final Marks Awarded After Moderation:

- (i) If the difference between the evaluator & moderator marks is $\leq 10\%$ of maximum marks, then the higher of the two evaluation marks will be considered.
- (ii) If the difference between evaluator & moderator marks is more than 10% of maximum marks, then such scripts will go for third evaluation.

11.4.2 Third Evaluation

(I) Evaluator: An external examiner chosen from the panel of examiners or a senior faculty in the department who has taught the course earlier will be the evaluator.

(II) Final Marks Awarded After Third Evaluation:

- (i) The average marks of the nearest two evaluation marks are taken as final marks.
- (ii) If one of the three evaluation marks falls exactly midway between the other two, then higher two evaluation marks are taken and the average of this is awarded as final marks.

11.4.3 Disclosure of Answer Books (Answer Book Seeing)

To bring transparency in the evaluation system the evaluated answer books along with the marks awarded to each question is disclosed to students on request as detailed below:

- (i) Interested students can apply to see/review their answer books or for photo copy by paying the prescribed fee.
- (ii) Answer books will not be disclosed to any person other than the one who has written the exam. In case the student is not able to appear in person for some reason, parent/guardian of the student may apply on his/her behalf. However, the student should authorize the same.
- (iii) Applications received after the last date will not be considered.

11.4.4 Grievances

- (i) If a student is satisfied with the valuation of his/her book and has no grievance, then he/she will fill in a 'Satisfactory Evaluation Form' and submit it to the Office.
- (ii) If a student has any grievance with respect to the totaling of marks or marks not being awarded to any question/s, then he/she shall fill an 'Evaluation Grievances Form' and submit the same to the Office.
- (iii) The BOE will look into such grievances to take corrective measures.
- (iv) If a student has any grievance with respect to wrong evaluation or expected marks not being awarded, then he/she can apply for 'Revaluation' by filling a 'Revaluation Form' and paying the prescribed fees.

11.4.5 Revaluation

- (i) Any student who wishes to apply for Re-evaluation of his/her answer book in the main SEE can apply by paying the prescribed fee.
- (ii) Revaluation is not applicable to Make-up examinations and Backlog/arrears Courses examinations.
- (iii) Applications received after the last date will not be considered.
- (iv) Revaluation will be done by a senior faculty from the panel of examiners.
- (v) The better of the first evaluation and revaluation marks will be awarded as the final marks after the revaluation.

Note: Revaluation will also be a digital valuation as that of the regular valuation.

11.4.6 Gracing Policy

- (i) If the candidate has failed in only one subject of the examination, then, he/she shall be eligible to a maximum of 3 marks (out of 50 marks), if after gracing the candidate gets minimum prescribed marks and passes in the subject.
- (ii) Grace marks awarded for passing the examination is shown only in the ledger and not in the statement of marks.

11.5 Make-up Examinations

- (i) Make-up examinations are conducted only for courses offered in main (odd/even) semesters of an academic year and not for courses of supplementary semester if offered.
- (ii) The make-up examination facility shall be available to those students who have appeared and failed in the SEE in one or more courses in a semester. However, the students passing in the make-up examination shall lose their eligibility to be considered for the award of Ranks.
- (iii) If a student has satisfactory attendance in a course and has secured a minimum of 40% in CIE but could not appear in SEE for valid and convincing reasons shall be eligible to appear for the make-up examination, after due recommendation by the Director/Principal.
- (iv) Following may be considered as other valid reasons for semester end make-up examination:
 - a) Serious Illness/ personal accident in the case of the student himself.
 - b) Serious illness/ Accident/ Death of parent /guardian.
- (v) Students claiming semester end make-up examination on the above reasons are required to apply to the Director/Principal, on or before the prescribed last date for registration for such make-up examination announced in the Academic Calendar, along with proper medical certificate issued by a competent Authority. In the event of death and/ or serious illness/ accident of parent or guardian, the application should be supported by adequate evidence of the same/ appropriate documents. Decision of the Vice Chancellor is final in these matters.
- (vi) The Make-up Examinations for both the semesters shall be conducted once in a year at the end of the even semester.

(vii) The students who are eligible to write the make-up exams is as shown in the table below:

Table 11.5: Eligibility to write the make-up exams		
Sl. No.	Exam to be conducted	Applicable to
1	After their 2 nd semester for "F" grade subjects of 1 st and 2 nd semesters only	<p>Case-1: Students who studied 1st /2nd sem in the same academic year and have met attendance and CIE requirement but have 'F' grades in SEE.</p> <p>Case-2: Students readmitted to the 1st or 2nd semester under 2025 scheme (either from same scheme or previous scheme) and have met attendance and CIE requirement but have 'F' grades in SEE.</p>
2	After their 4 th semester for "F" grade subjects of 3 rd and 4 th semesters only	<p>Students who studied 3rd /4th sem in the same academic year and have met attendance and CIE requirement but have 'F' grades in SEE.</p> <p>Note: The students who are in 2nd year are not permitted to appear for their backlog's subjects of 1st and 2nd semesters, if any.</p>
3	After their 6 th semester for "F" grade subjects of 5 th and 6 th semesters only	<p>Students who studied 5th /6th sem in the same academic year and have met attendance and CIE requirement but have 'F' grades in SEE.</p> <p>Note: The students who are in 3rd year are not permitted to appear for their backlog's subjects of 1st, 2nd, 3rd and 4th semesters, if any.</p>

(viii) Eligible students will have to apply for make-up examinations in the Office by paying the prescribed fee.

(ix) Make-up exam of the courses will be conducted as per the exam timetable announced

11.5.1 Grades Awarded

- A. Students will be awarded with the credits and grade using a Letter Grade from 'O' to 'F' based on the performance.
- B. If the student fails to obtain the minimum marks in make-up examination, then he/she will be awarded 'F' Grade, and such students will have to reappear for the examinations of that course as a backlog course in the subsequent semesters.
- C. If a student with the 'I' Grade or 'X' Grade **absent to Make-up Examinations**, these grades will be converted to 'F' Grade

11.6 Malpractice during Examination: A student indulged in malpractice during any examination either in CIE or SEE must face an enquiry by the Malpractice Review Committee of the University on specified date at specified time. The committee, after the enquiry, shall submit a written report to the Principal recommending suitable penal action. Principal will issue further appropriate orders in this regard.

12.0 GRADING SYSTEM

12.1 Absolute Grading System: The University adopts absolute grading system wherein the marks are converted to grades, and every semester result will be declared with Semester Grade Point Average (SGPA) on successful completion of all courses of that semester.

12.2 Letter Grades:

- (i) The performance of a student in a course is indicated by awarding a Letter Grade, which is a qualitative measure of the performance. The Letter Grade is arrived at based directly on the total marks (CIE + SEE) or CIE alone scored by the student.
- (ii) In credit courses, letter grades, such as, Outstanding (O), Excellent (A+), Very Good (A), Good (B+), Above Average (B), Average (C), Pass (P) and Fail (F) are awarded based on the total marks scored in CIE and SEE together as per the following table:

Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
Letter Grade	O	A+	A	B+	B	C	P	F
Marks Range	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39
Grade Points	10	09	08	07	06	05	04	00

- (iii) If there is no SEE for a course, then the CIE marks alone will be the basis for the determination of letter grade.

12.3 Grade Points (G): Depending on the Letter Grade assigned, a student earns grade points as indicated in Table 12.3.

12.4 Credit Points (CG): The Credit Points (CG) earned by a student in a given course are computed as the credits assigned to that subject multiplied by the grade points corresponding to the Letter Grade awarded in that course. For example, if a course has the credits as 4 and if the student scores Letter Grade "A+" in that course, then the credit points (CG) earned in that course would be $4 \times 9 = 36$.

12.5 Grades in Non-Credit Mandatory Courses:

- (i) In Non-Credit Mandatory Courses students will be awarded only 'Pass' or 'Fail' Grade.
- (ii) 'PP' Grade is the Pass Grade in Non-Credit Mandatory Courses, which is awarded for students who satisfy the required Attendance and CIE.
- (iii) 'NP' Grade is the Not Pass Grade in Non-Credit Mandatory Courses, which is awarded for students who do not satisfy the required Attendance and CIE. Such students have to repeat the course in its entirety by re-registering to that course when it is offered by the department and 'Pass' the course to qualify for the award of degree.

12.6 Transitional Grades: In addition to the letter grades mentioned above, a student may be awarded with transitional letter grades of I, W, X or U, and will be replaced

by an appropriate letter grade once the student completes the course requirements which are explained below:

12.6.1 **Grade "I":**

- (i) 'I' Grade is temporarily awarded to a student having attendance $\geq 85\%$ and meeting the minimum requirements in CIE in a Course, but remained absent from SEE for valid and convincing reasons acceptable to the College, like:
 - (a) Accident or severe illness leading to hospitalization.
 - (b) A calamity in the family at the time of SEE, which requires the student to be away from the College.
- (ii) In the event of (a) or (b) of above clause, it is the responsibility of the student/parent/guardian to inform the HOD through mentor and apply for the award of 'I' Grade.
- (iii) Applications requesting for the award of 'I' Grade received after the conduction of examination shall not be considered.
- (iv) The candidate needs to submit all the relevant evidence (hospital reports, police reports, certificates from competent authorities, etc.) in support of his claim.
- (v) A committee (Director/Principal as chairman, HOD and Mentor as members) will decide about awarding 'I' Grade taking into consideration all the documentary evidence produced by the candidate.
- (vi) If permission for 'I' Grade is not accorded by the committee then 'F' Grade is awarded for the course and the student has to re-register for the course in its entirety when it is offered.
- (vii) The student who is awarded 'I' Grade in a course is permitted to attend the make-up examinations in that academic year. After completion of the make-up examinations, 'I' Grade shall be converted to one of the other Letter Grades (O to F) based on the performance.
- (viii) If the student does not appear for the make-up examinations, the 'I' Grade shall be converted to an 'F' Grade.
- (ix) 'I' Grade is not awarded in Make-up examinations or supplementary SEE if offered.

12.6.2 **'X' Grade:**

- (i) 'X' Grade is temporarily awarded to a student having attendance $\geq 85\%$ and CIE rating ($\geq 90\%$) in a course but has obtained less than 40% marks in SEE of main semester (odd/even).
- (ii) The student who is awarded 'X' Grade in a course is permitted to attend the make-up examinations in that academic year. After completion of the make-up examinations, 'X' Grade shall be converted to one of the other letter grades (O to E) based on the performance.
- (iii) If the student does not appear for the make-up examinations, the 'X' Grade shall be converted to an 'F' Grade.

(iv) 'X' Grade is not awarded in Make-up examinations or supplementary SEE, if offered.

(v) There is no "X" grade awarded for practical subjects.

12.6.3 Grade "W":

(i) 'W' Grade is temporarily awarded to a student who has withdrawn from a course.

(ii) 'W' Grade for credit courses shall be recorded in the grade card. A student may withdraw from an audit course in which case there shall be no mention of the course in the grade card

(iii) A student with "W" grade must re-register for the course during the Supplementary semester if offered or forthcoming semester in order to earn the required credits of that academic year and the "W" grade shall be converted to one of the other letter grades (O to P) after the completion.

(iv) If the student does not register in ensuing semester whenever is offered, then the "W" grade shall be converted to an "NE" grade.

(v) "W" grade is not awarded in supplementary semester if offered.

12.6.4 **Grade "U":** A student is awarded grade "U" in a course if the student has registered for that course for audit only and provided that the student satisfies the attendance requirements. This grade would carry no grade points and is not used in the computation of SGPA or CGPA.

12.7 Grade Point Averages:

The academic performance of a student is indicated by two different indices, Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

12.7.1 Semester Grade Point Average (SGPA):

(i) SGPA is an indication of the student performance in the current semester and is the weighted average of the grade points obtained in all the courses registered by the student during a particular semester. The SGPA shall be calculated as

$$SGPA = \frac{\sum[(Course\ Credits) \times (Grade\ Points)]}{\sum[(Course\ Credits)]}$$

Considering all courses registered by the student in that semester, **including courses with 'F' Grade** but excluding transitional grades.

(ii) The SGPA is calculated to the second decimal position

(iii) Credits for subjects with transitional grades will be taken into calculation of SGPA on their conversion to one of the letter grades (O to F).

12.7.2 Cumulative Grade Point Average (CGPA)

(i) CGPA is an indication of the cumulative performance of the student from the first semester up to the current semester and is the weighted average of the grade points obtained in all the courses registered by the student from the I

semester up to the current semester. The CGPA shall be calculated as,

$$CGPA = \frac{\sum[(Course\ Credits) \times (Grade\ Points)]}{\sum[(Course\ Credits)]}$$

Considering all the courses registered by the student until that semester **excluding those with 'F' Grade and transitional grades** until that semester.

- (ii) The CGPA is calculated to the second decimal position.
- (iii) Credits for subjects with transitional grades will be taken into calculation of CGPA on their conversion to one of the letter grades (O to F).
- (iv) CGPA is computed by considering the latest grade obtained by the student in the courses repeated.
- (v) CGPA is considered at the end of the program for declaring the pass percentage and the class of pass.
- (vi) Finally, the SGPA and CGPA shall be rounded off to 2 decimal points and reported in the grade cards. An illustrative example to calculate SGPA and CGPA for one academic year is shown in **Annexure-II**.

12.8 Conversions of CGPA into Percentage and Class Equivalence

12.8.1 Conversions of CGPA into Percentage of marks

The following formula for conversion of CGPA to percentage of marks to be used only after a student has successfully completed the programme.

$$\text{Percentage of Marks, } M = (CGPA) \times 10$$

E.g.: Illustration for a CGPA of 8.20;

Percentage of marks secured, $M = (8.20) \times 10 = 82.0 \%$

12.8.2 Class Equivalence

Subsequent to the conversion of final CGPA, after successful completion of the Program, into the percentage of marks (P), a graduating student is reckoned to have passed in,

- (i) First Class with Distinction (FCD) if $M \geq 70\%$
- (ii) First Class (FC) if $60\% \geq M < 70\%$
- (iii) Second Class (SC) if $M < 60\%$

The summary of the declaration on 10-point scale is as shown in the Table 12.10:

Table 12.10: Conversions of CGPA into % of marks and Class Equivalence	
Percentage of Marks	Class
$\geq 70 \%$	First Class with Distinction (FCD)
$\geq 60\%$ and $< 70\%$	First Class (FC)
$< 60\%$	Second Class (SC)

12.9 Award of Grade Cards, Certificates and Transcripts:

- (i) **Grade Cards:** At the end of each semester, a Grade Card shall be issued to all the registered students of that semester, indicating the Course code, Title, Number of credits, Letter grade awarded, and Credits earned, for all the Courses as specified in the scheme of teaching and evaluation, along with total

credits earned, SGPA, and CGPA as applicable.

This may have F grades and other temporary grades awarded to the student.

- (ii) **Grade Certificate:** The Grade Certificate, having the same format of Grade card but indicating the month and year of clearing a course, is issued to the student on demand only on clearing all the temporary grades specified in the Grade Card.
- (iii) **Transcripts:** Transcript is the consolidated statement of the academic performance of a student for all the semesters since joining the programme and is generally given to a student on successful completion of the programme along with the degree certificate.
- (iv) For those students who have taken multiple attempts to clear a course, the transcript given on successful completion of the programme will only contain earned pass grade ('O' to 'P', AU and PP); the courses cleared subsequently will however be shown in the respective semester with Month and Year in which the student has finally cleared the course. The transcript will show only the overall CGPA based on all the courses taken by the student. Credits earned beyond the requirement for the award of the degree shall be shown as additional courses separately, indicating the grade earned by the student. Additional copies of the transcript can be obtained if needed, on request submitted along with payment of applicable fee.
- (v) Students who have not yet completed the programme can obtain an interim Transcript at the end of any semester, if needed, on request and upon payment of applicable fee. The interim Transcript includes failed courses, which have not been cleared at the time of issue.

12.10 Mandatory Earning of AICTE Activity Points:

Apart from technical knowledge and skills, the students should acquire the soft skills, leadership qualities, team spirit, entrepreneurial capabilities and social responsibility etc. In view of this, AICTE has created a unique mechanism to undergo the various Activity Points over and above the academic grades, before the award of degree, as shown in the table below:

Sl. No.	Student Category	Activity Points prescribed
1	Regular Students admitted to 1 st semester of the 4 year Degree Programme	100
2	Students entering 4 year Degree Programme through lateral entry	75
3	Students transferred from other Universities to the 5 th Semester	50

The AICTE Activity Points earned shall be reflected on the student's 8th semester Grade Card.

- (i) The activities can be spread over the years (duration of the programme), anytime during the semester weekends and holidays, as per the interest and convenience of the student from the year of entry to the programme. However,

minimum hours specified must be satisfied.

- (ii) Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.
- (iii) In case a student fails to earn the prescribed activity Points before the commencement of 8th semester examinations, the Eighth Semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth Semester Grade Card.
- (iv) The Guidelines and suggestive activities under the AICTE Activity points are listed in **Annexure -III**.

13.0 Rejection of Results

- (i) A student is permitted to reject the total performance of a semester (including CIE marks) or reject only the result of his/her performance in University examinations (SEE) of a semester. The rejection is permitted only once during the entire Programme of study.
- (ii) Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned course grades) in all the courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of the VIII semester project shall not be permitted.
- (iii) Students who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking readmission during the subsequent academic year/s, governed by the Sections 4.2.
 - a) If the rejection of SEE results excluding CIE marks is of the odd semester, students shall be allowed to take admission to the immediate next even semester.
 - b) If the rejection of SEE results excluding CIE marks is of an even semester, then students shall be allowed to take admission to the next odd semester.
 - c) Readmission to odd/even semesters shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the Program shall be counted with reference to the University Seat Number (USN).
 - d) Applications for rejection of results excluding CIE and approval to reappear for University examinations shall be sent to the Registrar (Evaluation) through the Director/Principal of the College within 30 days from the date of announcement of the results, with prescribed fee as notified by the University from time to time. Late submission of applications shall not be accepted for any reason.
 - e) Application for rejection of results including CIE and approval for readmission shall be sent to the Registrar through the Director/Principal of the College

within 30 days from the date of the announcement of the results with prescribed fee as notified by the university from time to time. Late submission of application shall not be accepted for any reason.

(iv) Registration for SEE is compulsory if the student/s has satisfied the attendance and CIE requirement of ODD /EVEN semester.

a) In case, the students fail to register for SEE of the odd semester after satisfying the attendance and CIE requirements of the semester, they shall be permitted to move to an even semester of that academic year.

However, such students have to register for odd semester examinations conducted at the end of the academic year for all the semesters and registration shall be considered for the first attempt.

b) In case, students fail to register for the odd semester SEE after completing successfully the even semester, they shall not be permitted to move to the higher odd semester of the subsequent academic year. Irrespective of a student appearing for SEE, he/she has to register for SEE for odd and even semesters before completing the academic year.

(v) Students who opt for rejection of results of the University examination shall be eligible for the award of the Degree and Minor Degree but not for the award of ranks and Honors Degree.

14.0 Temporary Break or Permanent Withdrawal from the Program

14.1 Temporary Break from the Program

(i) Temporary withdrawal or discontinuing from the program and getting readmitted to the eligible semester are permitted subjected to the condition that he/she shall complete the degree within the maximum duration of the program. This facility can be utilized on the grounds of prolonged illness or grave calamity in the family etc., provided that:

(a) The student applies to the College within at least 6 weeks of the commencement of the semester or from the date he/she last attended the classes, whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of his/her parent/guardian.

(b) The College must ensure that the student will complete the degree within the maximum duration of the program even after counting the expected period of withdrawal.

(c) There are no outstanding dues or demands, with the Department/ College/ Hostel/Library, etc.,

(d) The tuition fees for all the subsequent semesters may be collected in advance before giving approval for such Temporary Withdrawal, until such time his/her name appears in the student's roll list. However, the fees/charges once paid shall not be refunded.

(e) Scholarship holders are bound by the appropriate rules applicable to them.

- (ii) The student would be permitted to avail the temporary withdrawal facility as a special case only once during his/her tenure as a student and this withdrawal period shall also be counted for computing the duration of study as specified by the University.
- (iii) The permission for readmission is only on request through the Director/Principal and is not treated as a matter of right. Such students shall not claim any benefits such as award of rank etc.
- (iv) Students who take re-admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semesters of the programme adhering to the Regulations of the prevailing scheme and shall complete additional courses, if any, as per the decision of equivalence committee in concurrence with concerned Board of Studies on establishing the equivalence between two schemes. Such a candidate shall not be eligible for the award of rank.
- (v) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number (USN), which was allotted at the time of his/her admission to the programme. The maximum duration of the programme shall be counted with reference to the USN allotted during his/her first admission to the programme.
- (vi) A student who has not obtained the eligibility for III semester even after three academic years from the date of admission to I semester shall discontinue the programme or get readmitted to I semester of first year B.E./B.Tech., with a new University Seat Number (USN).
- (vii) The candidates who have temporarily discontinued the programme of study or changed the scheme of study from one to another because of various reasons or transferred with credits from other University, shall be eligible for the award of degree provided the total credits earned at that stage are equal to or greater than the credits prescribed by the University and satisfy all other conditions of this Regulations.
- (viii) If a student has withdrawn from the programme for reasons of employment, when rejoining the programme, he/she should obtain the necessary permission from his/her employer for rejoining. This permission letter has to be submitted at the time of rejoining.

14.2 Permanent Withdrawal from the Program

- (i) Any student who withdraws admission before the closing date of admission for the academic session is eligible for the refund of the deposits only, if any. Fees once paid will not be refunded.
- (ii) Once the admission for the year is closed, the following conditions govern withdrawal.
 - (a) A student who wants to leave the College for good, will be permitted to do so (and take Transfer Certificate from the College, if needed), only after remitting the tuition fees as applicable for all the remaining semesters and clearing all other dues, if any.
 - (b) Those students who have received any scholarship, stipend or other forms of assistance from the College shall repay all such amounts.

15.0 VERTICAL PROGRESSION

15.1 Vertical Progression in case of Students Admitted to First Year

- (i) There shall be no restriction for vertical movement from odd semester to even semester
- (ii) The vertical movement of students from a year of study (even semester) to the next year of study (odd semester) is as per the below mentioned criteria.

Table 15.1: Vertical Progression Criteria for Students admitted to I Year

Year of Study	Programme	Eligibility Criteria
I Year	B.E.	Not Applicable
II Year		<ol style="list-style-type: none">(i) Students having “F” grades for the courses totaling to more than 16 credits in the 1st and 2nd semesters (together) of the first year of the programme shall not be permitted to move to the 3rd semester (2nd year) of the programme. These courses include courses marked as NE.(ii) The students who fail to satisfy CIE and attendance requirements shall repeat the courses whenever offered next and become eligible for the 2nd year.
III Year		A student is permitted to move to 5 th semester (III year) irrespective of number of “F” and / NE grades in the previous year.
IV Year		A student shall be given admission to the 7 th semester (IV year) provided he/she passes all courses of 1 st and 2 nd semesters, irrespective of number of “F” and / NE grades in the 2 nd and 3 rd year.

- (iii) For the award of degree, a CGPA \geq 5.00 at the end of the program shall be mandatory.

15.2 Vertical Progression for the Students Admitted to Second Year (Lateral Entry)

- (i) There shall be no restriction for vertical movement from odd semester to even semester
- (ii) A student is permitted to move to 5th semester (III year) and to 7th semester (IV year), irrespective of number of “F” and / NE grades in the previous years.
- (iii) For the award of degree, a CGPA \geq 5.00 at the end of the program shall be mandatory.

16.0 AWARD OF DEGREE, MEDALS, AND RANKS

16.1 AWARD OF DEGREE

A. Eligibility to award the Degree:

The following are the eligibility to be satisfied by the students to award the B.E degree:

- (a) Completed the stipulated course work of all the semesters under the Scheme of Teaching and Examinations and have earned the prescribed number of credits as per within the permitted maximum duration specified under Section 4.2.3.
- (b) Secured CGPA ≥ 5.00 at the end of the program.
- (c) Should not have any Transitional grades (I, X, W) in any courses.
- (d) Should have passed in all mandatory non-credit courses.
- (e) Should not have any dues to the institute.
- (f) Should not have any pending disciplinary proceedings.
- (g) Should have acquired the prescribed AICTE Activity Points.

B. Noncompliance of CGPA ≥ 5.00 at the end of the Program

- (i) Students who have completed all the courses of the program but not having a CGPA ≥ 5.00 at the end of the program shall not be eligible for the award of the degree.
- (ii) In cases of students not eligible for the award of degree as per Section 16.1, the students are permitted to appear again for SEE in courses/s of any semester/s by rejecting the performance of the course/s [other than Internship, Project (Mini and Major), and Laboratory Courses] for any number of times, subject to the provision of maximum duration of the program, to make up the CGPA ≥ 5.00 for the award of the Degree.
- (iii) Students shall obtain written permission from the Director/Principal to reappear for SEE to make up the CGPA ≥ 5.00 .

C. Consideration of Grades obtained from Reappeared Courses:

- (i) In case the students earn improved grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is ≥ 5.00 , the student shall be eligible for the award of the degree. If it is < 5.00 , the students shall follow the procedure laid in Section 16.1 (B) (ii).
- (ii) In case the students earn the improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in some of the reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is ≥ 5.00 , the student shall be eligible for the award of the degree. If it is < 5.00 , the students shall follow the procedure laid in Section 16.1 (B) (ii).
- (iii) In case the students earn the improved grade/s in some course/s and fail in the other reappeared course/s, the CGPA shall be calculated by considering

the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the students have failed. If it is ≥ 5.00 , the student shall be eligible for the award of the degree. If it is < 5.00 , the students shall follow the procedure laid in Section 16.1(B) (ii).

- (iv) In case, the students fail (i.e., earn 'F' Grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before the reappearance shall be retained. In such cases, the students shall follow the procedure laid in Section 16.1 (B) (ii).

16.2 AWARD OF MEDALS: For the award of Medals, the conditions stipulated by the Donor may be considered as per the statutes framed by the University/College for such awards.

16.3 AWARD OF RANKS

(A) Criteria to Award Rank: Ranks are awarded based on the merit of the students as determined by CGPA.

- (i) For the award of rank in a Specialization of Bachelor of Engineering, the highest CGPA secured by the students from III to VIII semesters shall be considered after having completed the requisite credits.
- (ii) The additional credits earned for the award of Honours/ Minors degree shall not have any bearing for the Rank declaration.
- (iii) A student shall be eligible for a rank at the time of award of the degree of Bachelor of Engineering, provided that the student,
 - (a) (i) Has passed all the Courses of I to VIII semester in the first attempt only in case of Candidates admitted to the I year.
 - (ii) Has passed all the Courses (including bridge courses if any) of III to VIII semester in the first attempt only in case of Candidates admitted under lateral entry to 3rd semester or II year.
 - (b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance /temporarily discontinued and rejoined/readmitted etc.
 - (c) Has completed all the semesters without any break/discontinuity.
 - (d) Has not dropped any course in any semester.
 - (e) Has not written Make-up examinations and/or Supplementary examinations in any semester.
 - (f) Has not been awarded I/W/X/F Grade in a course in any semester.
 - (g) Has not been transferred from any other University.

(B) No. of Ranks Awarded:

- (i) The total number of ranks awarded in each branch of B.E program of sanctioned intake of 60 will be 03 (Three) or 5% of total number of candidates appeared in final semester in that branch, whichever is less.

- (ii) In any of the branches of B.E program, the total number of candidates appeared in VIII semester are less than 10, then in that branch the Ranks will not be awarded.

Illustration:

- a) If 115 students appeared for the VIII semester in Computer Science and Design Program with an intake of 120, the number of ranks to be awarded for Computer Science and Design shall be 06.
- b) If 40 students appeared for the VIII semester in Biomedical and Robotic Engineering, the number of ranks to be awarded for Biomedical and Robotic Engineering will be 02 (which is less than 03).
- c) In case of a fractional number of ranks, it is rounded to a higher integer only when the first decimal place is greater than or equal to 5.

(C) Criteria for Resolving a Tie in the Rank

- (i) If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA is considered to decide the order of the rank.
- (ii) If the tie is not resolved even after the case mentioned in Section 16.3(C) (i), then, the number of times a student has obtained higher grades like S, A, B etc shall be considered to decide the order of the rank.

17.0 AWARD OF 'MINOR DEGREE' AT B.E DEGREE PROGRAMME

17.1 General

- (i) To enhance employability skills and impart deep knowledge in emerging areas that are usually not covered in the Undergraduate Degree credit framework, AICTE has come up with the concept of a 'Minor Degree' in emerging areas.
- (ii) To expand the domain knowledge of the students in one of the other branches of engineering.
- (iii) To provide an academic mechanism for fulfilling the multidisciplinary demands of industries.
- (iv) To increase the employability of undergraduate students keeping in view better opportunities in interdisciplinary areas of engineering & technology.
- (v) These provisions aim at facilitating the undergraduate students at the College on their acquiring additional credits in the same time period for the programs.
- (vi) These Regulations shall be applicable to all BE Degree programs being conducted by the College.
- (vii) The Board of Studies (BoS) of the University shall recommend the ONLINE courses for minor degrees. The list of the courses that are included in each track will form a syllabus for minor degree programs. These courses are to be

offered between the fourth to eighth semesters for all branches. The eligible list of programs for various minor baskets shall be published by the University.

17.2 Eligibility Criteria for Registration: Every Student intending to register for the 'Minor degree' Qualification shall fulfill the following academic requirements:

- (i) Can opt for only one minor program along with the major (degree) program. ***No student shall be permitted to register for both honors as well as minors.***
- (ii) Should be a student of IV Semester.
- (iii) Have permissible backlogs to enter III Semesters.
- (iv) Have obtained a CGPA ≥ 5.0 at the end of the III Semester.

17.3 Registration Procedure

- (i) All applicants fulfilling the required eligibility criteria as per Section 17.2 shall register for the 'Minor Degree' with their respective faculty mentor in the prescribed form along with the applicable application fees within the last date after notification from the Office. Applications received after the last date shall not be considered for registration.
- (ii) Mentors shall verify the eligibility of all the applicants and submit the list of eligible and applied students to the HODs. HODs shall forward the list to the Office before the notified last date duly endorsed by the Director/Principal.
- (iii) There shall be no limit on the intake of students for registration for the Minor Degree qualification.
- (iv) If registered, the students shall pay a one-time non-refundable Registration fee as prescribed by the College to confirm the registration.
- (v) Before receiving a major degree, students who enroll in a minor degree program must successfully complete (pass) all prerequisite courses. Even if she/he fails in the courses chosen for minor degree programs, they must be finished (passed) before a major degree is granted.

17.4 Requirements for 'Minor Degree' Qualification

(A) Selection of Additional Coursework

- (i) In addition to the regular courses prescribed to be completed from IV to VIII Semesters, each student registered for the 'Minor Degree' qualification shall have to take up the online courses totaling to 18 or more credits and complete the same before VIII Semester.
- (ii) Selection of online courses totaling to 18 or more credits shall be from the bouquet of BOS approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms) corresponding to each Engineering Program.
- (iii) The Credits equivalence for online NPTEL courses shall be determined based on the following table.

Table 17.4: Assigned Credits	
Online Course Duration	Assigned Credits
04 weeks	01
08 weeks	02
12 weeks	03

- (iv) Student shall select, in consultation with the concerned faculty Advisor, the MOOCs such that the content/syllabus of them are not identical to that of the programs first to eighth semesters core courses.
- (v) In case of violations of Section 17.4 (A) (iv), the credits earned by the students in such course/s shall not be considered for the summation of prescribed 18 or more credits and hence for the award of 'Minor Degree' Qualification.
- (vi) After registering for the Minor program, if a student is unable to earn all the required 18 credits in a specified duration, he/she shall not be awarded a Minor degree. However, if the student earns all the required 160 credits of B.E., he/she will be awarded only B.E. degree in the concerned branch.
- (vii) The student can choose only one Minor program along with his/her basic engineering degree. A student who chooses an ***Honours program is not eligible to choose a Minor program*** and vice-versa.
- (viii) The College shall have the freedom to review and approve additional online courses and platforms from time to time.

(B) Completion of Additional Coursework and Earning Credits

- (i) The students shall earn the credits by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform. College cannot conduct examination and award credits in lieu of NPTEL/SWAYAM/Other platform to accrue 18 or more credits for the award of 'Minors' Qualification.
- (ii) The method of assessment shall be as per the NPTEL online platform.
- (iii) Students shall complete each coursework successfully irrespective of the number of attempts, with a final score {online assignments: 25% + Proctored: 75%} leading to NPTEL Elite {60 to 75%} / Elite - Silver {76 to 89%}/ Elite-Gold {≥ 90%} Certificate, within the minimum prescribed duration for the recognition of 'Minors' Qualification.
- (iv) Students shall be permitted to drop the registered coursework/s and select alternative coursework/s in case they cannot appear for proctored examination/s or complete the examination as per Section 17.4 (B) (iii).

(C) Post-completion of Additional Coursework

- (i) Students who successfully complete the requirements of 'Minors' Qualification as per the Section 17.4 (A) and (B) shall submit the certificates to their Faculty Advisor against the notification issued by the office. Faculty Advisors in turn shall submit the list of students who are eligible for the

'Minors' Qualification along with the total credit earned by each student and the corresponding MOOC certificates to respective HOD within time as per the calendar.

- (ii) HODs shall constitute a committee comprising of senior faculty of the department with himself/herself being the Chairman of such committee to verify the compliance with respect to the eligibility of the candidates for the award of 'Minors' Qualification.
- (iii) HODs shall submit the final list of students who are eligible for the 'Minors' Qualification along with the total credit earned by each student and the corresponding MOOC certificates to the Office before the last date as per the calendar. The list shall be validated by the Faculty Advisor of the student under consideration, members of the Scrutiny Committee and endorsed by the HOD & Director/Principal.
- (iv) Those students who cannot/do not submit the certificates on or before the last date prescribed by the College shall not be considered for the award of 'Minors' qualification, irrespective of the number of Credits earned by them. However, they shall be awarded only B.E Degree.

17.5 Award of 'Minors' Qualification

- (i) All students who complete the online courses totaling 18 or more credits within the end of VIII Semester as per the academic calendar shall be eligible for the "Minors" qualification [i.e., Compliance of Sections 17.4 (A), (B) and (C)].
- (ii) The 'Minors' qualification shall be suffixed to the respective degree and shown in the Degree certificates as a recognition of higher achievement by the student concerned.
- (iii) Additional credits earned through NPTEL shall not be considered for CGPA of B.E Program as well as rank declaration.
- (iv) Only those students recommended for the 'Minors' Qualification shall be entitled to receive their Transcripts indicating the achievements.

18.0 AWARD OF 'HONOURS' AT B.E DEGREE PROGRAMME

18.1 General

- (i) These provisions aim at facilitating the award of higher qualifications and recognition to well performing undergraduate students at the College on their acquiring additional credits in the same time period for the programs.
- (ii) These Regulations shall be applicable to all BE Degree programs being conducted by the College.

18.2 Eligibility Criteria for Registration: Every Student intending to register for the 'Honours' Qualification shall fulfill the following academic requirements:

- (i) Should be a student of V Semester.
- (ii) Have obtained a grade \geq B in all the courses from I to IV Semesters in the

First attempt only.

- (iii) Have obtained a CGPA ≥ 7.50 at the end of the IV Semester.

18.3 Registration Procedure

- (i) All applicants fulfilling the required eligibility criteria as per Section 18.2 shall register for the 'Honours' with their respective faculty mentor in the prescribed form along with the applicable application fees within the last date after notification from the Office. Applications received after the last date shall not be considered for registration.
- (ii) Mentors shall verify the eligibility of all the applicants and submit the list of eligible and applied students to the HODs. HODs shall forward the list to the Office before the notified last date duly endorsed by the Director/Principal.
- (iii) There shall be no limit on the intake of students for registration for the Honours qualification.
- (iv) If registered, the students shall pay a one-time non-refundable Registration fee as prescribed by the College to confirm the registration.

18.4 Requirements for 'Honours' Qualification

(A) Selection of Additional Coursework

- (i) In addition to the courses prescribed to be completed from V to VIII Semesters, each student registered for the 'Honours' qualification shall have to take up the online courses totaling to 18 or more credits and complete the same before VIII Semester.
- (ii) Selection of online courses totaling to 18 or more credits shall be from the bouquet of BOS approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms) corresponding to each Engineering Program.
- (iii) The Credits equivalence for online NPTEL courses shall be determined based on the following table.

Online Course Duration	Assigned Credits
04 weeks	01
08 weeks	02
12 weeks	03

- (iv) Student shall select, in consultation with the concerned faculty Advisor, the MOOCs such that the content/syllabus of them are not similar to that of the programs first to eighth semesters core courses, professional elective or open electives that the student chooses at later Semesters of the program.
- (v) In case of violations of Section 18.4 (A) (iv), the credits earned by the students in such course/s shall not be considered for the summation of prescribed 18 or more credits and hence for the award of 'Honours' Qualification.
- (vi) The College shall have the freedom to review and approve additional online courses and platforms from time to time.

(B) Completion of Additional Coursework and Earning Credits

- (i) The students shall earn the credits by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform. College cannot conduct examination and award credits in lieu of NPTEL/SWAYAM/Other platform to accrue 18 or more credits for the award of 'Honours' Qualification.
- (ii) The method of assessment shall be as per the NPTEL online platform.
- (iii) Students shall complete each coursework successfully irrespective of the number of attempts, with a final score {online assignments: 25% + Proctored: 75%} leading to NPTEL Elite {60 to 75%} / Elite - Silver {76 to 89%}/ Elite-Gold { \geq 90%} Certificate, within the minimum prescribed duration for the recognition of 'Honours' Qualification.
- (iv) Students shall be permitted to drop the registered coursework/s and select alternative coursework/s in case they cannot appear for proctored examination/s or complete the examination as per Section 18.4 (B) (iii).

(C) Post-completion of Additional Coursework

- (i) Students who successfully complete the requirements of 'Honours' Qualification as per the Section 18.4 (A) and (B) shall submit the certificates to their Faculty Advisor against the notification issued by the office. Faculty Advisors in turn shall submit the list of students who are eligible for the 'Honours' Qualification along with the total credit earned by each student and the corresponding MOOC certificates to respective HOD within time as per the calendar.
- (ii) HODs shall constitute a committee comprising of senior faculty of the department with himself/herself being the Chairman of such committee to verify the compliance with respect to the eligibility of the candidates for the award of 'Honours' Qualification.
- (iii) HODs shall submit the final list of students who are eligible for the 'Honours' Qualification along with the total credit earned by each student and the corresponding MOOC certificates to the Office before the last date as per the calendar. The list shall be validated by the Faculty Advisor of the student under consideration, members of the Scrutiny Committee and endorsed by the HOD & Director/Principal.
- (iv) Those students who cannot/do not submit the certificates on or before the last date prescribed by the College shall not be considered for the award of 'Honours' qualification, irrespective of the number of Credits earned by them. However, they shall be awarded only B.E Degree.

18.5 Award of 'Honours' Qualification

(A) Eligibility

- (i) Completion of online courses totaling 18 or more credits with a final score leading to NPTEL Elite / Elite - Silver / Elite-Gold Certificate, within the end

of VIII Semester. [Compliance of Sections 18.4 (A), (B) and (C)]

- (ii) (a) Maintaining a grade $\geq D$ in all the courses of V to VIII Semesters in first attempt only.
- (b) Students failing to maintain a grade $\geq D$ in all the courses of V to VIII Semesters in first attempt only shall discontinue the attempt to earn additional credits.
- (iii) Having a CGPA ≥ 7.5 at end of program even if they have satisfied the additional credits consideration prescribed for 'Honours' Qualification.

(B) 'Honours' Qualification

- (i) The 'Honours' qualification shall be suffixed to the respective degree and shown in the Degree certificates as a recognition of higher achievement by the student concerned.
- (ii) The CGPA earned by the students shall be only based on student performance in the various semester level examinations conducted by the College.
- (iii) Additional credits earned through NPTEL shall not be considered for CGPA of B.E Program as well as rank declaration.
- (iv) Director/Principal shall forward its recommendations to the University in respect of students qualifying for 'Honours'.
- (v) Only those students recommended for the 'Honours' Qualification shall be entitled to receive their Transcripts indicating the achievements.

19.0 TERMINATION FROM THE PROGRAMME

The admission of a student may be terminated from the programme under following circumstance:

- 19.1 If a student fails to satisfy the requirements of the programme within the maximum period stipulated for that programme.
- 19.2 If a student fails to satisfy the norms of discipline specified by the University from time to time.

CONDUCT AND DISCIPLINE

- 19.3 Each student shall conduct himself/herself in a manner befitting his/her association with Mysore University School of Engineering(MUSE).
- 19.4 He / she is expected not to indulge in any activity, which is likely to bring disrepute to the University.
- 19.5 He / she should show due respect and courtesy to the teachers, administrators, officers and employees of the University and maintain cordial relationships with fellow students.
- 19.6 Lack of courtesy and decorum unbecoming go for student (both inside and outside the University), willful damage or removal of University's property or belongings of fellow students, disturbing others in their studies, adoption of unfair means during examinations, breach of rules and regulations of the UoM, noisy and unruly

behavior and similar other undesirable activities shall constitute violation of code of conduct for the student.

- 19.7 Ragging in any form is strictly prohibited and is considered as a serious offence. It will lead to the expulsion of the offender from the University.
- 19.8 Violation of code of conduct shall invite disciplinary action which may include punishment such as reprimand, disciplinary probation, debarring from the examination, withdrawal of placement services, withholding of grades/degrees, cancellation of registration, etc., and even expulsion from the University.
- 19.9 Principal, based on the reports of the Warden of University hostel, can reprimand, impose fine or take any other suitable measures against who violates either the code of conduct or rules and regulations pertaining to University hostel.
- 19.10 A student may be denied the award of degree / certificate even though he/she has satisfactorily completed all the academic requirements if the student is found guilty of offences warranting such an action.
- 19.11 Attendance is not given to the student during the suspension period.

20.0 AMENDMENTS

- 20.1 These regulations, on approval by the Syndicate, Academic Council, shall supersede all the earlier regulations and amendments.
- 20.2 These regulations may get revised/amended from time to time and on approval by the Syndicate, Academic Council shall come into force.

21.0 SAVINGS

- 21.1 Any other regulations which are not governed under this regulation viz. Gracing, awarding ranks, etc., the University of Mysore regulations issued from time to time is applicable.
- 21.2 In case, there are any issues not addressed in the regulations, the decision of the Vice-Chancellor on the advice of Dean/Director will be final. Any other issue not envisaged above shall be resolved by the Vice-Chancellor in consultation with the appropriate bodies.
- 21.3 Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address and removal of any difficulty.



Annexure -I

ASSESSMENT AND EVALUATION IN SPECIFIC COURSES

250B A1.1. CIE and SEE Assessment in Specific Courses:

Examination and Evaluation for all the courses shall be done as specified under Sections 11.1, 11.2 and 11.3 of this Regulations for SEE and CIE. However, for some specific courses, the procedure is made clear in the following sections.

250B A1.1.1. CAED

A. The CIE marks for CAED course offered in the 1st year shall be assessed as follows:

- 1) The CIE marks awarded in the case of Drawing shall be based on weekly evaluation of the classwork (sketching and computer- aided drawing) with each drawing evaluated as mentioned module-wise in the syllabus. The marks for all the drawing sheets are added and scaled down to **30 marks**.
- 2) One class test similar to SEE will be conducted after completion of the syllabus for 100 marks and scaled down to **20 marks**.
- 3) CIE marks (out of 50) scored by the student is the sum of classwork evaluation and test marks.

B. The SEE shall be conducted and evaluated for a maximum of marks 100. Marks obtained shall be accounted for SEE final marks, reducing it by 50%.

- i. SEE will be conducted by the two examiners, one internal examiner from the same institute and one external examiner from the other institute, appointed by the University.
- ii. Question paper shall be set jointly by both the Examiners and made available for each batch as per schedule. Examiners may refer question bank for this purpose.
- iii. Evaluation shall be carried out jointly by both examiners as per the scheme of Teaching and Evaluation.

250B A1.1.2. Engineering Graphics/ Drawing /Field Works

1. Engineering Graphics and Drawing (Laboratory Course)

- a. The CIE marks awarded for higher semester Engineering Graphics/ Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 80:20. Method of assessing the CIE for such courses shall as per the scheme of Teaching and Evaluation of the course.
- b. The SEE shall be conducted and evaluated for a maximum of marks 100. Marks obtained shall be accounted for SEE final marks, reducing it by 50%.
 - i. SEE will be conducted by the two examiners, one internal examiner from the same institute and one external examiner from the other institute, appointed by the University.
 - ii. Question paper shall be set jointly by both the Examiners and made available for each batch as per schedule. Examiners may refer question bank for this purpose.

- iii. Evaluation shall be carried out jointly by both examiners as per the scheme of Teaching and Evaluation.

2. Field Works

- a) Field works include Surveying Practice/ Socio-Economic survey/ Marketing survey/ traffic survey/environmental survey. The CIE marks shall be split into two components with 80% of maximum marks (40 marks) are considered for fieldwork report evaluation and 20% of maximum marks (10 marks) for internal assessment test evaluation.

Fieldwork evaluation includes attendance, data collection through survey, use of data for design drawing, and report. The split-up of marks for the report shall be decided by the faculty member who is guiding them for the design drawing and report. The criteria for split-up of marks shall be done to achieve the course outcomes. The report evaluation shall be carried out for 100 marks and scored marks shall be scaled down to 40 marks.

The assessment shall be through a presentation of the report followed by the viva-voce. This test shall be conducted by the fieldwork project guide and fieldwork coordinator. If the fieldwork coordinator happens to be the same faculty, then, HOD or senior faculty member will conduct the test with the guide. A test similar to SEE shall be conducted for 100 marks and marks scored shall be scaled down to 10 marks.

The sum of the report and test marks shall be the total CIE marks for fieldwork.

- b) SEE for fieldwork Conducted by the two examiners, one internal examiner from the same institute and one external examiner from the other institute, appointed by the University. Report and design drawing evaluation and viva-voce are in the ratio of 60:40. Fieldwork will be jointly evaluated by the Internal and External examiners and the duration of SEE shall be three hours.

250B A1.1.3. Practical Courses:

1) CIE for Practical Work Courses

- a) CIE marks for a practical course shall be 50 Marks. The split-up of CIE marks for record/ journal and test to be split in the ratio 60:40.
 - (i) Each experiment to be evaluated for conduction with observation sheet and record write-up. Split up of marks for the evaluation of the journal/write-up for hardware/software experiments designed by the faculty who is handling the laboratory session and shall be made known to students at the beginning of the practical session.
 - (ii) Record shall contain all the specified experiments in the syllabus and each experiment write-up be evaluated for 10 marks.
 - (iii) Total marks scored shall be scaled down to 30 marks (60% of maximum marks).
 - (iv) Weightage to be given for neatness and submission of record/write-up on time.

- (v) Department shall conduct one test for 100 marks, after the completion of the experiments.
- (vi) In test write-up, conduction of experiment, acceptable result, and procedural knowledge shall carry a weightage of 60% and the rest 40% for viva-voce.
- (vii) The suitable split up of marks can be designed to evaluate each student's performance and learning ability.
- (viii) The test marks out of 100 shall be scaled down to 20 marks (40% of the maximum marks).

The Sum of scaled-down marks scored in the report write- up/journal and marks of the test shall be the total CIE marks scored by the student.

- b) Internal tests for laboratory courses with software experiments shall be conducted for a total of 100 marks at the end of the semester, jointly by the class Teacher and a Senior faculty nominated by the Principal.

In this evaluation, Observation, write-up of procedure/ Algorithm/ program, and execution of experiment shall be assessed for 80 marks and the Viva- voce for 20 marks.

Marks scored out of 100 shall be scaled down to 50 marks.

2) SEE for Practical Work Courses

- 1) The SEE marks for the practical courses shall be 50 Marks.
- 2) SEE shall be conducted jointly by the two examiners of the same institute appointed by the University.
- 3) All laboratory experiments are to be included for practical examination.
- 4) Breakup of marks and the instructions printed on the cover page of the answer script are to be strictly adhered to by the examiners. **OR**

Based on the course requirement, a split-up of marks for evaluation shall be decided jointly by the examiners.

- 5) Students shall pick one question (experiment) from the questions pool prepared by the examiners jointly.
- 6) Evaluation of write-up/conduction procedure and result/viva will be conducted jointly by the examiners.
- 7) The split-up of maximum allocated marks for SEE are:
 - (i) procedure/ writeup 20%,
 - (ii) Conduction and result 60%,
 - (iii) Viva-voce 20%
- 8) SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks.
- 9) Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks).

- 10) The duration of SEE shall be three hours.

250B A1.1.4. Internship

- 1) The Internship shall be taken up during the period specified in the Scheme of Teaching and Examinations.

The Department/ College shall nominate faculty member/s to facilitate, Guide, and supervise students under an internship.

The students shall report the progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall maintain the progress record of the candidate's undergoing internship. Duration of the internship shall be as mentioned in the scheme of Teaching and Examination.

The Internship examination shall be conducted at the end of the internship period.

- 2) **Report evaluation:** Internship shall be evaluated for 50% maximum marks. The split-up of marks suggested for report evaluation shall be based on,
 - a) Report formatting (20% of marks of CIE for report)
 - b) Presentation of the outcomes in the report (40% of marks for CIE for report) and
 - c) Technical content of the report (40% of marks for CIE for report) Weightage shall be given for paper publication in reputed journals/refereed journals/ Conferences/Product developed/ Patent filed – only for Industry/ Research Internship.
- 3) **Viva-Voce** shall be conducted for 50% of marks of CIE. The split-up of marks suggested are:
 - a) For demonstration of (soft) skills/Engineering Knowledge gained (50% of marks of CIE for Viva-voce).
 - b) The question-answer session will check for the understanding of the fundamentals and concepts (40% of CIE marks for Viva-voce)
 - c) Clarity in answering the questions (10% of CIE marks for Viva-voce)Viva-voce shall be conducted by the Mentor/ Guide and Head of the Department/ one of the senior faculty assigned by the Head of the department.
- 4) Those who do not complete the internship shall be declared Fail and shall complete it during subsequent University examinations after satisfying the internship requirements during subsequent semesters.

250B A1.1.5. Seminar

- 1) The maximum marks prescribed for the Seminar and the evaluation process shall be notified by the University/ College before offering the course.
- 2) The Seminar performance evaluation shall be a part of CIE only in a course where required.
- 3) The Seminar shall be assessed as indicated below.
 - a) The Head of the Department shall make arrangements for the conduct of seminars through a committee of faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of three senior faculty members of the Department and the most senior among them shall be the Chairperson.

- b) The marks awarded for Seminar shall be based on the evaluation of the Seminar Report, Presentation skill, and Viva-voce (Question & Answer session) in the ratio of 50:25:25.
- c) Split up Marks to be assessed as follows:
 - (i) Report marks to be allotted by the seminar guide/s (50% of the maximum marks)
 - A). Formatting of the report (10% of maximum marks) B). Literature survey (20% of maximum Marks) and C). Technical content of the report (20% of maximum marks)
 - (ii) Seminar Presentation skill marks to be allotted by the committee: (25% of the maximum marks)
 - (iii) Viva-Voce marks to be allotted by the committee: (25% of the maximum marks)
 - A). Understanding of fundamentals and concepts (15%)
 - B). Clarity in answering the questions (10%)

250B A1.1.6. Mini-Project

- 1) The Mini-Project performance of a student shall be evaluated under CIE only. The maximum marks prescribed for CIE shall be as mentioned in the Scheme of Teaching and Evaluation.
- 2) The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the mini-project. The committee shall consist of a Faculty guide/mentor and two senior faculty members of the Department and the most senior among them shall be the Chairperson.
- 3) The CIE marks awarded for Mini-Project, shall be based on the evaluation of the Mini-Project Report, Project Presentation skill, and Viva-Voce (Question and Answer session) in the ratio of 50:25:25.
- 4) The marks awarded for the Mini-Project report shall be the same for all the students of the batch. The faculty guide/ mentor guiding the Mini-project shall Evaluate the performance for 50% of the maximum marks of CIE for the report.
- 5) This committee shall evaluate Mini-project Work for the rest of 50% of the maximum marks considering performance in project presentation and Viva-Voce (question-answer session).
 - a) Project presentation: 25% of maximum marks
 - b) Viva-Voce (Question and answer session): 25% of maximum marks

250B A1.1.7. Project Work (Phase-I)

The project work shall be evaluated considering both CIE and SEE; The CIE and SEE marks shall be as mentioned in the Scheme of Teaching and Evaluation.

CIE Assessment:

- 1) The CIE marks awarded for Project Work shall be based on the evaluation of the Project Report, Project Presentation skill, and Viva-voce in the ratio of 50:25:25.
- 2) The marks awarded for the Project report shall be the same for all the students of the batch.
- 3) The Head of the Department shall make arrangements for the conduct of Viva-Voce for evaluation of the project work. The committee shall consist of the faculty

guide/mentor and two senior faculty members of the Department and the most senior among them shall be the Chairperson.

- 4) The faculty guide/ mentor guiding the project shall Evaluate the performance for 50% of the maximum marks of CIE for the report.
- 5) This committee shall evaluate Project Work for 50% of the maximum marks considering the project presentation and question-answer session.
 - a) Project presentation: 25% of maximum marks
 - b) Question and answer session: 25% of maximum marks

250B A1.2. SEE Assessment in Specific Courses:

250B A1.2.1. Theory Course with 4, 3 and 2 Credits

The SEE for theory courses shall be conducted by the University as per the scheduled timetable for all, with common question papers for the course. The duration of examination shall be three hours.

- 1) SEE will be conducted for 100 marks
- 2) The question paper will have main ten questions. Each main question is set for 20 marks.
- 3) There will be 2 main questions from each module. Each of the main two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module.
- 4) The students must answer 5 full questions, selecting one full question from each module.
- 5) Marks scored will be proportionally scaled down to 50 marks.

250B A1.2.2. Integrated Course (IC) /Integrated Professional Core Courses (IPCC)

For a course where theory is integrated with Laboratory course, the SEE duration for the theory part shall be three hours, as specified in section 11.3. However, the question paper in the SEE examination shall include at least one question from the Laboratory component.

250B A1.2.3. Theory Course with 1 Credit

- 1) All courses with 01 Credit will be evaluated on CIE only for 100 marks, unless otherwise mentioned.
- 2) If it is to be conducted as that of regular theory courses, then the total marks is the sum of CIE and SEE. Then the SEE question paper shall have MCQ (multiple choice questions) set for 50 questions, each carrying one mark. The time duration for SEE is one hour.

250B A1.2.4. Practical Work Courses

- 1) The SEE marks for the practical courses shall be 50 Marks.
- 2) SEE shall be conducted jointly by the two examiners of the University/ College appointed by the University.
- 3) All laboratory experiments are to be included for practical examination.
- 4) Breakup of marks and the instructions printed on the cover page of the answer script are to be strictly adhered to by the examiners. **OR**

Based on the course requirement, a split-up of marks for evaluation shall be decided jointly by the examiners.

- 5) Students shall pick one question (experiment) from the questions pool prepared by the examiners jointly.
- 6) Evaluation of write-up/ conduction procedure and result/viva will be conducted jointly by the examiners.
- 7) The split-up of maximum allocated marks for SEE are:
 - a) procedure/ writeup 20%,
 - b) Conduction and result in 60%,
 - c) Viva-voce 20%
- 8) SEE for the practical course shall be evaluated for 100 marks and the scored marks shall be scaled down to 50 marks.
- 9) Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks).
- 10) The duration of SEE shall be three hours.

250B A1.2.5. Internship

- 1) SEE shall be conducted by the Internal and external examiners approved by the University. The internal examiner shall be the guide for SEE. The external Guide for the Internship shall be the external examiner for SEE.
- 2) Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks.
- 3) In case the external Guide expresses his inability to conduct the Examination at the last moment, the Principal /Chief Superintendent appointed by the University for the concerned examination of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide.
- 4) Split up of marks for evaluation may be the same as suggested for CIE or Internal and external examiners shall devise split up of marks for SEE and the same may be submitted to the University along with evaluation marks.

250B A6.2.8. Major Project Work (Phase-II)

- 1) The project work shall be evaluated for 200 marks with CIE of 100 marks and SEE of 100 marks.
- 2) SEE of the Project Work will be conducted by the two examiners one internal and one external examiner appointed by university.
- 3) SEE marks for the project shall be awarded using appropriate Rubrics based on the quality of work & report, presentation skills, and viva- voce in the ratio 50:25:25 respectively.
- 4) Evaluation of the project shall be done jointly by the Internal and External examiners and the duration of SEE shall be three hours.



Annexure – II

An illustrative **example to calculate SGPA and CGPA** for one academic year:

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year								
Semester (Odd : I, Even: II)	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CG)	SGPA, CGPA		
I	XX101	3	A	8	3x8=24	$SGPA = \frac{101}{20}$ $= 5.05$		
I	XX102	3	Absent(F)	0	3x0=00			
I	XX103	3	O	9	3x9=27			
I	XX104	3	F	0	3x0=00			
I	XX105	3	B	6	3x6=18			
I	XX106	1	C	5	1x5=05			
I	XX107	1	A+	9	1x9=09			
I	XX108	2	B	6	2x6=12			
I	XX109	1	B	6	1x6 = 06			
Total		20(14*)	Total		101			
(14*): Total credits of the semester excluding the credits of the courses under 'F' grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.								
II	XX201	3	B+	7	3x7=21	$SGPA = \frac{178}{26}$ $= 6.85$		
II	XX202	3	A	8	3x8=24			
II	XX203	3	B	6	3x6=18			
II	XX204	3	C	5	3x5=15			
II	XX205	3	A+	9	3x9=27			
II	XX206	1	F	0	1x0=00	$CGPA = \frac{101 + 178}{14 + 25}$ $= 7.15$		
II	XX207	1	A	8	1x8=08			
II	XX208	2	A+	9	2x9=18			
II	XX209	1	A	8	1x8=08			
I semester								
I	XX102	3	B	6	3x6=18			
I	XX104	3	B+	7	3x7=21			
Total		26(25*)	Total		178			
(25*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.								
(b) CGPA Calculation of the Program: An Illustrative Example								
Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the semester	20	20	21	21	23	23	18	14
SGPA	5.0	6.73	9.20	6.86	8.18	7.73	9.18	9.40
∑CiG	100	175	220	165	204	185	184	169
$CGPA = \frac{[100 + 175 + 220 + 165 + 204 + 185 + 184 + 169]}{160} = \frac{[1402]}{160} = 8.76$								
For Lateral Entry Students								
$CGPA = \frac{[220 + 165 + 204 + 185 + 184 + 169]}{120} = \frac{[1127]}{120} = 9.39$								



Annexure –III:

Guidelines and Suggestive Activities for earning AICTE Activity Points

- 1) AICTE Activity Points Programme: AICTE has also made it mandatory for students to earn 'AICTE Activity Points', over and above their academic grades for their contribution towards community and allied activities.
- 2) According to Section 16.1 (*Award of Bachelor of Engineering Degree*) of UoM Regulations, 2025", it is mandatory for the students to earn Activity points as specified herein, during their programme.
- 3) The student may choose any activities as per their liking in order to earn the AICTE Activity points. These activities can be spread over the years, as per convenience of the student
- 4) The Minimum AICTE activity points shall have to be earned, as per entry level of any student as prescribed in Table-1 below, for the award of degree.

Sl. No.	Level of Entry in 4 year Degree Programme	Total Years for Points	Activity Points prescribed
1	Regular Students admitted to 1 st Semester of the 4 year Degree Programme	1 st to 4 th Year	100
2	Students entering 4 year Degree Programme through lateral entry and from other Universities to the 3 rd Semester	2 nd to 4 th year	75
3	Students transferred from other colleges and Universities to the 5 th Semester	3 rd to 4 th year	50

- 5) The Activity Points earned shall be reflected on the student's eighth semester Grade Card.
- 6) Activity Points (non-credit) have no effect on SGPA/CGPA.
- 7) In case a student fails to earn the prescribed activity Points before the commencement of 8th semester examinations, the Eighth Semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of the degree only after the release of the Eighth Semester Grade Card.
- 8) Additional Requirement for Earning 4 Years Degree Programme.

Apart from technical knowledge and skills, to be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment. In order to match these multifarious requirements, AICTE has created a unique mechanism of awarding minimum 100 Activity Points over and above the academic grades.

Every regular student, who is admitted to the 4 years Degree programme, is required to earn 100 Activity Points in addition to the required academic grades, for getting 4 Years

degree programme. Students entering 4 years Degree programme through lateral entry are required to earn 75 Activity Points, in addition to the academic grades, for getting 4 years' degree program. Similarly, Diploma students are required to earn 75 Activity Points during 3 years of their diploma programme.

AICTE recommends 300-400 hours Activity Programme for each degree student for Community service and allied activities. Similarly, 200-250 hours should be devoted by Diploma student for Community service and allied activities as an additional requirement or non-credit programme. Here, 40-45 hours are equivalent to 1 week.

These activities will be coordinated by NSS/NCC/Sports/SAGY Coordinator or TPO of the Institute. The student will be provided a certificate from the concerned coordinator and Institutional Head.

Every student is required to prepare a file containing documentary proofs of activities, done by him/ her. This file will be duly verified by the concerned evaluator as listed in Table-2. The student should earn at least 100 activity points before he/ she appears for his/ her Final Examinations. The points students have earned will be reflected on the student's transcript. However, there will be neither grades/ marks for these points nor will there be any effect on SPI/CPI/CGPA etc.

As proposed under the AICTE Rural Internship Programme, if a student completes any long-term goal during his degree programme, it will be counted as Internship Activity and credit requirement for the internship is fulfilled. However, if only short-term interventions under the programme are attempted it will be counted towards AICTE Activity Point Programme requisite. Following suggestive activities as Long-term Goals may be carried out by students in teams:

1. Prepare and implement plan to create local job opportunities.
2. Prepare and implement plan to improve education quality in village.
3. Prepare an actionable DPR for Doubling the village Income.
4. Developing Sustainable Water Management system.
5. Prepare and Improve a plan to improve health parameters of villagers.
6. Developing and implementing of Low-Cost Sanitation facilities.
7. Prepare and implement plan to promote Local Tourism through Innovative Approaches.
8. Implement/Develop Technology solutions which will improve quality of life.
9. Prepare and implement solution for energy conservation.
10. Prepare and implement plan to Skill village youth and provide employment.
11. Develop localized techniques for Reduction in construction Cost.
12. Prepare and implement plan of sustainable growth of village.
13. Setting of Information imparting club for women leading to contribution in social and economic issues.
14. Developing and managing Efficient garbage disposable system.
15. Contribution to any national level initiative of Government of India. For eg. Digital India/ Skill India/ Swachh Bharat Internship etc.

Table - 2: AICTE Activity Point Programme (Activity Summary Sheet)

Major Head of Activity	Credits (Max.) Degree	Suggested period (Max.)	Total Duration/ Week (Degree)	Sub Activity Head	Proposed Document as Evidence	Evaluated by	Performance appraisal/ Maximum points/ activity	Maximum Points under this category
AICTE Activity Programme	Non - Credit	Anytime during the semester during weekends or holidays	2 Weeks (80-90 hrs)	Prepare and implement plan to create local job opportunities.	Project Report	NSS/ NCC/ SAGY Coordinator of the Institute	20	100
			2 Weeks (80-90 hrs)	Prepare and implement plan to improve education quality in village.			20	
			2 Weeks (80-90 hrs)	Preparing an actionable DPR for Doubling the village Income.			20	
			2 Weeks (80-90 hrs)	Developing Sustainable Water Management system.			20	
			2 Weeks (80-90 hrs)	Prepare and Improve a plan to improve health parameters of villagers.			20	
			2 Weeks (80-90 hrs)	Developing and implementing of Low Cost Sanitation facilities.			20	
			2 Weeks (80-90 hrs)	Prepare and implement plan to promote Local Tourism through Innovative Approaches.			20	
			2 Weeks (80-90 hrs)	Implement/Develop Technology solutions which will improve quality of life.			20	
			2 Weeks (80-90 hrs)	Prepare and implement solution for energy conservation.			20	
			2 Weeks (80-90 hrs)	Prepare and implement plan to Skill village youth and provide employment.			20	
			2 Weeks (80-90 hrs)	Develop localized techniques for Reduction in construction Cost.			20	
			2 Weeks (80-90 hrs)	Prepare and implement plan of sustainable growth of village.			20	
			2 Weeks (80-90 hrs)	Setting of Information imparting club for women leading to contribution in social and economic issues.			20	
			2 Weeks (80-90 hrs)	Developing and managing Efficient garbage disposable system.			20	
			2 Weeks (80-90 hrs)	Contribution to any national level initiative of Government of India. For e.g. Digital India/ Skill India/ Swachh Bharat Internship etc.			20	

