

KISHKINDA UNIVERSITY

ಕಿಷ್ಕಿಂಢ ವಿಶ್ವವಿದ್ಯಾಲಯ

Advancing Knowledge Transforming Lives



**ACADEMIC
REGULATIONS
B TECH
2023-24**

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PREAMBLE

There has been tremendous change in the 21st century education systems. The rapid progress in Computing & Communication and the dawn of new era of Artificial Intelligence (AI) and Machine Learning (ML) are demanding new skills and knowledge from the University graduates. The NEP 2020 has provided much flexibility for the Universities to design curriculum and adopt modern methods of teaching and learning besides latest evaluation systems. The curriculum is required to be designed with foundation of concepts at Under Graduate level (UG) and advanced analysis & critical thinking at Post Graduation Level (PG). The Academic Regulations of Kishkinda University will provide the required information on UG & PG Programmes keeping in mind the outcome based education concept. All the students may find this regulations as a useful document. In case of any ambiguity, students are advised to meet the respective Deans.

1. SHORT TITLE, APPLICATION AND COMMENCEMENT

1.1	These Regulations shall be called the Kishkinda University [Award of Bachelor of Technology Degree] Regulations, 2023.
1.2	These Regulations shall apply to all the B.Tech Programmes conducted at the Kishkinda University.
1.3	They shall come into force with effect from the academic year 2023-24.
1.4	These Regulations shall be applicable to the batch of students admitted from the academic year 2023-24 and later and will be in force until revised or withdrawn by a notification.

2. DEFINITION OF KEY WORDS

Sl.No	Keyword	Definition
1	University	Kishkinda University, Ballari (KU)
2	FET	Faculty of Engineering and Technology
3	Academic Council	The Academic Council of the University
4	Finance Committee	The Finance Committee of the University
5	RE	Registrar Evaluation
6	BoS	Board of Studies
7	BoE	Board of Examination
8	B.Tech	Bachelor of Technology
9	Programme	A higher education programme pursued for a degree awarded by the University as specified under Section 22 (3) of the UGC Act.
10	Regular Students	Students who are admitted to the first year of the respective programme (Undergraduate Programme or the Postgraduate Programme)
11	Lateral Entry	Students who are admitted to the third semester of the respective programme (Undergraduate Engineering Programme)
12	Course	One of the subjects either theory or practical, identified by its title and code number, which comprises a Programme of Study.

2.1	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.
2.2	Academic Year	Two consecutive semesters (odd followed by an even), including intervening periods constitute one Academic Year (July of current year to 30 th June of the next year)
2.3	Act	The Kishkinda University Act. 20 of 2023 including the amendments thereon.
2.4	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.
2.5	Faculty	Faculty of Engineering and Technology of the Kishkinda University / Departments offering different programmes.
2.6	Course	Usually referred to as 'subject/' 'paper' and is a component of a Programme with defined learning objectives, course outcomes 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.

2.7	Course Code	An alpha numeric code is used to uniquely identify a course in the programmes offered in the University. 3-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 place signifies type of course with unit place representing the sequence number in a semester in the Scheme of Teaching and Evaluation. Example: 23 KVK19
2.8	Credit	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. It is further expanded as L: T: P
2.9	Credit Point	This is the product of grade point and the number of credits for a Course.
2.10	Credit Representation	Refers to the Credit Values for different academic activities considered, as per Table 1. Credits for the project phases, project viva- voce and internship shall be as specified in the Scheme of Teaching and Examinations.

Table 1: 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
I	0	0	1:0:0	I
0	0	2	0:0:1	I

Table 2: Program Details

Sl No	Programmes	Duration (years)		Total No. of Credits
		Min.	Max.	
1	Bachelor of Technology (B.Tech)	4	8	160
2	Bachelor of Technology (B.Tech – Lateral Entry)	3	6	120

2.11	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 the 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.
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2.12	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 University to maintain proper records. Registration on the University portal is mandatory.																																																			
2.13	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.																																																			
2.14	Dean	Dean of the Faculty of Engineering & Technology																																																			
2.15	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.																																																			
2.16	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.																																																			
2.17	Grade Point (GP)	Refers to a numerical weightage allotted to each letter grade on a 10 point scale against a range of percentage of marks secured by students in a course. The University adapts absolute grading.																																																			
2.18	Faculty	The Faculty of the University who are engaged in teaching and research at the Under Graduate, Post-Graduate or higher levels.																																																			
2.19	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. Grades are denoted by letters: O, A+, A, B+, B, C, P, and F, the rubrics attached to letter grades are shown in the below table: Table 3: Letter Grade <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Grade Letter</th><th>Meaning</th></tr> </thead> <tbody> <tr><td>1</td><td>O</td><td>Outstanding</td></tr> <tr><td>2</td><td>A+</td><td>Excellent</td></tr> <tr><td>3</td><td>A</td><td>Very Good</td></tr> <tr><td>4</td><td>B+</td><td>Good</td></tr> <tr><td>5</td><td>B</td><td>Above Average</td></tr> <tr><td>6</td><td>C</td><td>Average</td></tr> <tr><td>7</td><td>P</td><td>Pass</td></tr> <tr><td>8</td><td>F</td><td>Fail</td></tr> <tr><td colspan="3">Additional letter grades used under special circumstances</td></tr> <tr><td>9</td><td>DX</td><td>Attendance below 75%</td></tr> <tr><td>10</td><td>AU</td><td>Satisfactory in an Audit course/ Skill Enhancement Course</td></tr> <tr><td>11</td><td>AB</td><td>Absent for the Course</td></tr> <tr><td>12</td><td>PP</td><td>Passed in Non-Credit Course</td></tr> <tr><td>13</td><td>NP</td><td>Not passed in Non-Credit Course</td></tr> <tr><td>14</td><td>W</td><td>Dropped / Withdrawn</td></tr> <tr><td>15</td><td>I</td><td>≥85% Attendance & meeting the minimum requirement in CIE but remained absent for SEE for a valid reason acceptable by the University</td></tr> </tbody> </table> This constitutes Continuous Internal Evaluation [CIE]. At the end of the semester, Semester End Examination [SEE] shall be held.	Sl. No.	Grade Letter	Meaning	1	O	Outstanding	2	A+	Excellent	3	A	Very Good	4	B+	Good	5	B	Above Average	6	C	Average	7	P	Pass	8	F	Fail	Additional letter grades used under special circumstances			9	DX	Attendance below 75%	10	AU	Satisfactory in an Audit course/ Skill Enhancement Course	11	AB	Absent for the Course	12	PP	Passed in Non-Credit Course	13	NP	Not passed in Non-Credit Course	14	W	Dropped / Withdrawn	15	I	≥85% Attendance & meeting the minimum requirement in CIE but remained absent for SEE for a valid reason acceptable by the University
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2.20	Audit Course/ Mandatory Non- Credit Courses (AC/ MNC)	In the case of non-credit mandatory 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.
2.21	Major Degree	A Major degree will be awarded along with "Honors" distinction if a student completes the specified additional number of credit during the regular programme as per the Regulations governing the Honors Degree Programme. A student admitted to the Programme shall be eligible to register for "Honors" programme if he/she fulfils the conditions as per regulations.
2.22	Mentor	A Faculty Advisor allotted by the Dean to guide about 15-20 students about their registration to the courses and progression in the Programme.
2.23	Notification	A notification issued by the concerned Statutory Officer of the University.
2.24	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.
2.25	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.
2.26	Passing Standards	Refers to passing a course only when GP is greater than or equal to 04.
2.27	Programme	A planned series of events/activities comprising of a combination of courses leading to the award of degree.
2.28	Semester	One of the two sessions of an Academic Year, 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.
2.29	Semester End Examinations (SEE) (also called Summative Assessment)	Summative assessment, which refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.
2.30	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.
2.31	Teaching Faculty	A member of the regular teaching faculty at the levels of Professor, or Associate Professor or Assistant Professor, and includes adjunct faculty, Professor of Practice and faculty on a long term contract of not less than one year.
2.32	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.
2.33	University	Kishkinda University (KU), Ballari, established under the Karnataka State Act 20 of 2023 as defined in the University Grants Commission Act, 1956.

BACHELOR OF TECHNOLOGY ACADEMIC REGULATIONS

23 OB 1.0 TITLE AND DURATION OF THE PROGRAMME

23 OB 1.1	The Programme of study, which is an undergraduate Programme, shall be called the degree of Bachelor of Technology, abbreviated as B Tech followed by specialization indicated within brackets.
23 OB 1.2	The duration of the Programme for the B Tech degree shall be four academic years, organized in eight semesters, with each semester having a duration of 16-18 weeks. It also provision for Multiple-Entry- Multiple-Exit and award of Honors degree or Minor degrees.
23 OB 1.3	The annual academic calendar of events in respect of the Programme of study approved by the Academic Council shall be notified at least a month before the commencement of each academic year. It is mandatory for students/faculty members to strictly adhere to the Academic Calendar for the completion of academic activities. Academic Calendar shall be displayed on the academic office homepage of the University website.

23 OB 2.0 ACADEMIC ELIGIBILITY FOR ADMISSION

The rules specified in the following clauses shall be followed for admission to B.Tech Programmes but the orders issued from the Government Regulatory bodies from time to time shall prevail.

23 OB 2.1	Admission to first year: Eligibility for candidates passed in second PUC or equivalent, - As notified by the Government of Karnataka from time to time. - Those students who have passed a qualifying examination other than the second PUC examination of the Pre-University Education Board of Karnataka, have to obtain an eligibility certificate for seeking admission to 1st year B.Tech. Degree Programme of the University.
23 OB 2.2	Admission to 2nd year (Lateral Entry): Eligibility for candidates who have passed a 3years Diploma in Engineering and B.Sc Degree shall be, - As notified by the Government of Karnataka from time to time for admission in to 3rd semester B.Tech Degree programme. - Those candidates who have completed an Engineering Diploma from States other than Karnataka shall submit the Equivalence/ Eligibility Certificate issued by the Director of Technical Education, Karnataka.
23 OB 2.3	Qualification earned from Foreign Countries: With regard to the qualification earned from foreign countries, an equivalence certificate from the Association of Indian Universities is mandatory for admission to B.Tech Programmes. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.
23 OB 2.4	Additional Requirements: - 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. - Further, all the Diploma and B.Sc degree holder applicants shall also be required to register and pass the non-credit mandatory Mathematics bridge course(s) specified by the University, within two years of joining the programme. However, applicants with B.Sc Degree (with a Mathematics major) may apply to the Registrar through the Dean seeking exemption from the bridge course.

23 OB 3.0 CURRICULUM FRAMEWORK AND ACADEMIC PROCESSES

23 OB 3.1	Semesters - Odd and Even: The University follows the Choice based credit system and the semester scheme. There are two regular semesters in an academic year. The semester that begins in August (August/ September to December/ January) is known as the Odd Semester and the semester that begins in January (January / February to May/ June) is known as the Even Semester.																					
23 OB 3.2	Curriculum: Every Programme has a prescribed course structure which, in general terms, is known as the Curriculum or the Courses of Study or the Scheme of Teaching and Evaluation. It prescribes all the courses/ laboratory/ other requirements for the degree and sets out the nominal sequence semester wise. It provides the syllabus and a list of text/ reference books (or other learning material sources) for each course. The Courses of Study details are updated every semester and are made available at the University website: www.kishkindauniversity.edu.in. Curriculum shall also include some Online Courses including SWAYAM and other MOOC courses approved by the University. However, selection of such course if any, shall always be within prescribed guidelines of the relevant regulatory bodies and the University.																					
23 OB 3.2.1	Choice Based Credit System (CBCS): 1) A certain quantum of academic work measured in terms of credits, is laid down as the requirement for completion of B.Tech. Degree in the respective specialization areas. A student earns credits by satisfactorily completing courses/other academic activities every semester. 2) The credits are distributed semester wise as prescribed in the Scheme of Teaching and Evaluation for each of the programmes. The courses generally progress in sequences building competencies as per the course learning outcomes. The positioning of a course indicates certain academic maturity on the part of the students. 3) Some courses do, in addition, may specify a grade/pass/exposure for other courses, offered earlier in the programme, as pre-requisites for the course. 4) Since the University follows the CBCS, the students shall be offered courses as per the Scheme of Teaching and Evaluation and the students are required to register for the courses of their choice before the beginning of every semester. 5) Students are required to follow the semester wise schedule of courses specified in Scheme of Teaching and Evaluation. They do however have freedom to follow alternative schedules to optimize their academic profile with additional courses keeping the requirements for each course in mind. For students with backlog courses such rescheduling may even become necessary. Such departures from suggested schedules need to be done very carefully and always with guidance from the Mentor.																					
23 OB 3.2.2	Types of Courses: There will be the following types of courses in a B.Tech programme, namely: <table><tr><th>Sl No</th><th>Course Name</th><th>Particulars</th></tr><tr><td>1</td><td>Humanities and Social Sciences (HS)</td><td>Including Management, Skill enhancement and Economics</td></tr><tr><td>2</td><td>Basic Sciences (BS)</td><td>Including Mathematics, Physics, Biology and Chemistry</td></tr><tr><td>3</td><td>Engineering Sciences (ES)</td><td>Including Workshop, Drawing, Basics of Electrical/ Civil/ Mechanical/ Computer Engineering, Materials, and Instrumentation.</td></tr><tr><td>4</td><td>Professional Core Courses (PC)</td><td>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</td></tr><tr><td>5</td><td>Professional Elective Courses (PE)</td><td>These are the courses from which a student can choose and study as a part of the requirement to complete the programme in a said discipline of study.</td></tr><tr><td>6</td><td>Open Elective Courses (OE)</td><td>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.</td></tr></table>	Sl No	Course Name	Particulars	1	Humanities and Social Sciences (HS)	Including Management, Skill enhancement and Economics	2	Basic Sciences (BS)	Including Mathematics, Physics, Biology and Chemistry	3	Engineering Sciences (ES)	Including Workshop, Drawing, Basics of Electrical/ Civil/ Mechanical/ Computer Engineering, Materials, and Instrumentation.	4	Professional Core Courses (PC)	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	5	Professional Elective Courses (PE)	These are the courses from which a student can choose and study as a part of the requirement to complete the programme in a said discipline of study.	6	Open Elective Courses (OE)	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.
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23 OB 3.2.3	Credit Composition of Courses The Credit Composition of courses in a B.Tech. Program is shown below: Table 4: Categories of courses for B.Tech <table><tr><th>SN</th><th>Course Area</th><th>Credit Distribution</th></tr><tr><td>1</td><td>Humanities Social Sciences including Management (HS)</td><td>09</td></tr><tr><td>2</td><td>Basic Sciences (BS)</td><td>20</td></tr><tr><td>3</td><td>Engineering Sciences (ES)</td><td>26</td></tr><tr><td>4</td><td>Professional Core (PC)</td><td>54</td></tr><tr><td>5</td><td>Professional Electives (PE)</td><td>12</td></tr><tr><td>6</td><td>Ability Enhancement Course(AEC)</td><td>8</td></tr><tr><td>7</td><td>Open Electives</td><td>9</td></tr><tr><td>8</td><td>Project Work(Mini / Major)</td><td>10</td></tr><tr><td>9</td><td>Internship(INT)</td><td>10</td></tr><tr><td>10</td><td>Universal Human Values(UHV)</td><td>2</td></tr><tr><td>11</td><td>Mandatory Non-Credit Course (MNC)</td><td>-</td></tr><tr><td></td><td>Total</td><td>160</td></tr></table> The delivery of the above courses may be a combination of Lectures, Tutorials and Practicals in any combination with suitable credits assigned to them. All the courses registered by a student under any of the above types of courses as required for the award of the degree shall be considered as heads of passing which shall be Graded according to his/her performance. However, the Non-Credit Mandatory Courses shall be passed by a student for which Grades are not assigned.	SN	Course Area	Credit Distribution	1	Humanities Social Sciences including Management (HS)	09	2	Basic Sciences (BS)	20	3	Engineering Sciences (ES)	26	4	Professional Core (PC)	54	5	Professional Electives (PE)	12	6	Ability Enhancement Course(AEC)	8	7	Open Electives	9	8	Project Work(Mini / Major)	10	9	Internship(INT)	10	10	Universal Human Values(UHV)	2	11	Mandatory Non-Credit Course (MNC)	-		Total	160
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	The following procedure shall be used for designing and offering the above courses: The courses for a programme under the following types from (a) to (i) shall be designed within the framework of UGC and AICTE guidelines by the concerned Board of Studies and approved by the Academic Council of the University. The number of courses offered in a programme under each of the above types shall be decided as per the curriculum framework specified under clause 23OB 3.4. The list of different types of theory courses and details of the practical courses used in the programmes are given below respectively from (a) to (i) and (j) to (l) <table><tr><th>Sl No</th><th>Course Area</th></tr><tr><td>a.</td><td>Humanities Social Sciences</td></tr><tr><td>b.</td><td>Basic Sciences</td></tr><tr><td>c.</td><td>Engineering Sciences</td></tr><tr><td>d.</td><td>Professional Core Courses</td></tr><tr><td>e.</td><td>Professional Electives Courses</td></tr><tr><td>f.</td><td>Open Electives</td></tr><tr><td>g.</td><td>Skill Development Courses</td></tr><tr><td>h.</td><td>Ability Enhancement Courses</td></tr><tr><td>i.</td><td>Non-Credit Mandatory Courses</td></tr></table>	Sl No	Course Area	a.	Humanities Social Sciences	b.	Basic Sciences	c.	Engineering Sciences	d.	Professional Core Courses	e.	Professional Electives Courses	f.	Open Electives	g.	Skill Development Courses	h.	Ability Enhancement Courses	i.	Non-Credit Mandatory Courses																			
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	j. Project work	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.
	k. Project work (Mini/ Major)	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.
	l. Internship	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, - An interdisciplinary Research Internship or Industry internship and - 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 Dean 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. Note: University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the University.
23 OB 3.2.4	Audit Courses	A student desirous of additional exposure to a course without the rigor of obtaining a grade can 'audit' a course. The minimum requirement of attendance for an 'Audit Course' is 75% with additional requirements as set by the instructor such as submission of assignments and minimum performance in some of the in-semester evaluations. Auditing of courses during regular semesters from 3rd semester onwards is permitted under the following conditions: - Students with CGPA>6.0 will be permitted to 'Audit' a course. A course can be audited provided the course is offered in the semester as a credit course for others and there is no slot clash. Prior permission of the Instructor is required. - Audit courses would be restricted to a maximum of two courses per student in the entire period of the programme. - The Course instructor would award 'AU' grade, if the attendance is satisfactory and additional requirements as set out by the Course instructor are met. If the attendance and performance in additional requirements are not satisfactory, then the Course instructor will award 'No Grade'. The grade 'AU' does not carry any grade points and therefore does not figure in SGPA/ CGPA calculations. - The course successfully completed in Audit mode will be reflected in the Semester Grade card and the Transcript as Audit Course.

23 OB 3.3	Prescribed Number of Credits for the Programme	All courses prescribed by the University except the Non-credit Mandatory courses shall have credits and B.Tech considered as a head of passing for vertical progression. The credits fixed for the courses are awarded to the students on passing the courses registered by him. 1. The total number of credits to be earned for the award of B.Tech degree by students admitted to the first semester of the four year B.Tech programme shall be 160. 2. The total number of credits to be earned for the award of B.Tech Degree by students admitted under lateral entry scheme to the third semester of the four year B.Tech Programme shall be 120. 3. A student shall be awarded B.Tech degree with Honors or Minor, if he/she earns a minimum of additional 18 credits satisfying the conditions specified in Kishkinda University (Award of B.Tech Honors/ Minors Degree) Regulations, 2023-24.																																																																																																																								
23 OB 3.4	Curriculum Framework	The structure of UG programme in Engineering shall have essentially the following types of courses with the breakup of credits as shown against them. Table 5: Credit Distribution for B.Tech Programme <table><tr><th>SEM</th><th>HS</th><th>BS</th><th>ES</th><th>PC</th><th>PE</th><th>AEC</th><th>OE</th><th>PW</th><th>INT</th><th>UHV</th><th>TOTAL</th></tr><tr><td>1</td><td>2</td><td>7</td><td>10</td><td>-</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td><td>20</td></tr><tr><td>2</td><td>2</td><td>7</td><td>10</td><td>-</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td><td>20</td></tr><tr><td>3</td><td>-</td><td>3</td><td>3</td><td>12</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td><td>1</td><td>20</td></tr><tr><td>4</td><td>-</td><td>3</td><td>3</td><td>12</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td><td>1</td><td>20</td></tr><tr><td>5</td><td>5</td><td>-</td><td>-</td><td>9</td><td>3</td><td>3</td><td>-</td><td>2</td><td>-</td><td>-</td><td>22</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td><td>9</td><td>3</td><td>1</td><td>3</td><td>2</td><td>-</td><td>-</td><td>18</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>12</td><td>3</td><td>-</td><td>3</td><td>6</td><td>-</td><td>-</td><td>24</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td><td>3</td><td>-</td><td>3</td><td>-</td><td>10</td><td>-</td><td>16</td></tr><tr><td>Total</td><td>9</td><td>20</td><td>26</td><td>54</td><td>12</td><td>8</td><td>9</td><td>10</td><td>10</td><td>2</td><td>160</td></tr></table> Minor variation is allowed as per need of the respective disciplines on approval of the University.	SEM	HS	BS	ES	PC	PE	AEC	OE	PW	INT	UHV	TOTAL	1	2	7	10	-	-	1	-	-	-	-	20	2	2	7	10	-	-	1	-	-	-	-	20	3	-	3	3	12	-	1	-	-	-	1	20	4	-	3	3	12	-	1	-	-	-	1	20	5	5	-	-	9	3	3	-	2	-	-	22	6	-	-	-	9	3	1	3	2	-	-	18	7	-	-	-	12	3	-	3	6	-	-	24	8	-	-	-	-	3	-	3	-	10	-	16	Total	9	20	26	54	12	8	9	10	10	2	160
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23 OB 3.5	Scheme of Teaching and Evaluation	1) The Scheme of Teaching and Evaluation shall be framed by distributing the total credits over eight semesters as follows: <table><tr><th colspan="4">Table – 6: Semester-wise Allocation of Credits</th></tr><tr><th></th><th>Semester</th><th>Credits</th><th>Total Credits</th></tr><tr><td rowspan="2">I year</td><td>1</td><td>20</td><td rowspan="2"></td></tr><tr><td>2</td><td>20</td></tr><tr><td rowspan="2">II year</td><td>3</td><td>20</td><td rowspan="2"></td></tr><tr><td>4</td><td>20</td></tr><tr><td rowspan="2">III year</td><td>5</td><td>22</td><td rowspan="2"></td></tr><tr><td>6</td><td>18</td></tr><tr><td rowspan="2">IV year</td><td>7</td><td>24</td><td rowspan="2"></td></tr><tr><td>8</td><td>16</td></tr><tr><td colspan="2">TOTAL</td><td>160</td><td></td></tr></table> ➤ Lecture(L): One hour/week: 1 credit ➤ Tutorial(T): Two hours/week: 1 credit ➤ Practical/Lab/Drawing (P): Two hours/Week: 1 credit ➤ Project, Mini-project, Internship: credits as recommended by the University. ➤ Credit for the seminars shall be part of the courses. 2) Course Load: Every student has to register for a set of Courses in each Semester with the total number of their Credits being limited by considering the permissible weekly Contact Hours (typically 35 hours/ Week). For this an average Course Load of 18-24 Credits/Semester (e.g., 6-7 Courses) is generally acceptable and also include 2 or 3 Units of Non-Credit Mandatory Courses in some Semesters.	Table – 6: Semester-wise Allocation of Credits					Semester	Credits	Total Credits	I year	1	20		2	20	II year	3	20		4	20	III year	5	22		6	18	IV year	7	24		8	16	TOTAL		160																																																																																					
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23 OB 3.5	Scheme of Teaching and Evaluation	3) Teaching-Learning Process: The theory courses shall be designed to have the syllabus spanning over one semester depending on the credits allocated for them. That is, Four-credit theory courses shall be designed for 55-60 hours of Teaching-Learning process, Three-credit theory courses shall be designed for 40-45 hours of Teaching-Learning process, Two credit theory courses shall be designed for 25-30 hours of Teaching-Learning process and One credit theory course shall be designed for 15 hours of Teaching Learning process. 4) The Scheme of Teaching and Evaluation provides the list of courses offered in a semester, their types, course credits in L-T-P format and the contact hours. As per this, detailed syllabus content, hour distribution, Text and reference Books, Assessment and Evaluation procedure shall also be provided for all the semesters by the Board of Studies of the respective programmes. A course may include online references and virtual labs as approved by the University. 5) The composition of courses in the curriculum may be only a theory a theory with practical or only a practical. These carry separate course codes and each are considered as separate "head of passing". 6) The Syllabus formulated shall be well structured and enable CBCS implementation provide MEME options and incorporate Outcome Based Education (OBE) framework. 7) The University shall provide necessary class rooms, Laboratory equipments, Internet and computing laboratories, Library, qualified faculty and other supporting facilities to meet the standards as specified by the University and concerned Statutory bodies to create proper teaching-learning environment for the students.
23 OB 3.6	Course Registration	1) It is mandatory for every student to register for the semester to attend various courses/ earn credits, using the prescribed Course Registration Form (CRF) till he/she completes his/her programme. The registration is normally done on the last two working days of each semester upon completion of the SEE. In all circumstances, registration shall be completed on or before the prescribed last date for registration announced in the Academic Calendar. The registration of courses in each semester with the University portal is mandatory. 2) Student Mentoring On joining the University a group of students are assigned a Mentor from the concerned department offering the Programme. Students are advised to consult the Mentor on any matter relating to their academic performance and the courses they may register in various semesters. Mentor guides the students to complete their courses of study for the required degree in a smooth and satisfactory manner. 3) Minimum Number of Registrations for offering a Course There is no restriction on minimum registrations in a professional core course. However, the minimum number of students registered to any Professional Elective Course/Open Elective Course/ Ability Enhancement Course (from 3rd semester onward) offered by the Departments shall not be less than 10. If the number of registrants for an elective course is less than 10, the University must seek permission from the Registrar (Evaluation) within 15 days from the date of commencement of the semester as per the academic calendar of the University.

23 OB 3.6.1	Course Registration Procedure	The procedure involves the following steps: a) A student shall register for required courses each semester with prior permission of the Mentor. b) The student can register for courses he intends to take during a given semester on the basis of his plan for each Programme as given in the Scheme of Teaching and Evaluation and as per the advice of the Mentor. c) The students shall decide on the courses to be registered during the ensuing semester immediately after their SEE examinations. d) The Mentor is expected to discuss with the student his academic performance during the previous semesters and then decide the number and nature of the courses for which the student can register during the semester within the framework of the Regulations. e) The Mentor may advise the student to drop one or more courses/activities based on his/ her academic performance. The Mentor may even advise a reduced load program over several semesters for students with poor performance at the end of the first semester/year. f) Every student is permitted to register for the courses to an extent subjected to the conditions under clause 23 OB 3.6.2. g) Students are not permitted to re-register for a course which they have already passed. h) The student shall fill up the CRF online, stating the courses that they propose to complete during the ensuing semester as per the prescribed curriculum. i) They shall take a printout of the completed CRF, take signature of the Mentor and submit to the Dean within the date notified by the University for registration. j) Students having outstanding dues to the University or a hostel not be permitted to register. k) The registration is deemed to be complete only on approval by the University. l) Without registration any academic activity (course/seminar etc.) undergone by a student shall not be counted towards the requirements of his/her degree. m) A student shall exercise the option in respect of a higher semester Professional Elective Course/Open Elective Course/Ability Enhancement Course and register for the same at the end of the previous semester. However, the student may be permitted to opt for a change of Elective Course/s preferably within 15 days from the date of commencement of the semester as per the academic calendar of the University.
23 OB 3.6.2	Permitted Maximum Credits for Registration	The student shall be permitted to register in a semester for that number of courses with total credits not exceeding 28. These 28 credits include Minor/ Honors degree courses, the courses of the regular semester and backlog courses. The registration of these additional credits also includes the courses with a shortage of attendance and the courses with unfulfilled CIE requirements. A student shall pay the prescribed registration fees as notified by the University from time to time.
23 OB 3.6.3	Late Registration	Registration beyond the last date may be permitted only in special cases till the date specified in the Academic Calendar on payment of a late registration fee.
23 OB 3.6.4	Registration for Non-credit Mandatory courses	1. Formal registration for these courses shall also be done along with other courses at the beginning of the semesters. 2. Non-credit requirements are assessed as Pass (PP)/ Not Pass (NP) subject to the fulfillment of the minimum requirements of the specified activities and a minimum of 75% attendance. The award of degree is subject to successful completion of these requirements. 3. A student will be awarded PP (Pass) grade for a course he/ she is registered for in that semester, provided the minimum requirement is met during that semester together with attendance criteria. 4. Not satisfying these requirements will result in a failure grade NP (Not Pass) and the student has to re-register for the course when offered next in the subsequent semesters and pass within two years. The grades shall be submitted to the University before the commencement of the SEE.

23 OB 3.6.5	Course substitution	A student obtaining 'F' grade four times in a course other than the Professional core courses is permitted to choose an equivalent course for substitution on approval by the University. The student shall re-register for the new course and complete the course requirements subjected to the conditions of clause 23OB 5.2. A student shall not be permitted to avail this option beyond a maximum of two courses during the programme.
23 OB 3.7	Attendance Requirement	1) Every prescribed course shall be considered as a unit for the calculation of attendance. The students are required to attend all the lectures, tutorials, practical and other prescribed curricular and co-curricular activities and earn full attendance. However, a student shall obtain a minimum attendance of 85% in each of the courses registered. However, if the attendance is below 85%, then the shortage up to a maximum of 10% of the attendance may be condoned by the Vice Chancellor on the specific recommendations of the Dean where the candidate is studying. This provision shall be utilized based on medical grounds, participation in NSS/ NCC/ Red cross/ National level Republic Day and Independence Day Parade/ participation in University/ State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value, supported by valid documents. The Course Instructor may recommend for condoning the shortage of attendance and submit the application with documents through the Dean along with his recommendation to the office of the Registrar (Evaluation) before the last day of the semester. 2) The basis for the calculation of attendance shall be the period prescribed by the University by its academic calendar of events and as notified by the Registrar. 3) In case of late admissions, approved by competent authority (KEA/DTE/KU) to I semester and III semesters (lateral entry scheme), the attendance shall be reckoned from the date of admission to the Programme. 4) The dean shall also notify every month, the list of candidates who are falling short of required attendance. The Course Instructor shall inform the students as well as their parents/guardians about the attendance requirement and the attendance status every month. Students facing an attendance shortage shall be mentored to make up for the shortage. 5) A student who does not satisfy the attendance requirement in one or more courses (including bridge courses for lateral entry students, if any) shall not be permitted to appear for the Semester End Examinations of those courses. The grade card for such courses shall be marked as DX. The candidate shall repeat those courses whenever offered next. However, the student shall be allowed to appear for the SEE in other courses of the semester.

23 OB 4.0 Assessment And Evaluation Procedure

23 OB 4.0	Assessment And Evaluation Procedure	Formative, Summative and other Assessments 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, as recommended by the Board of Studies and approved by the University .																												
23 OB 4.1	Assessment and Evaluation Process	1) 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 the SEE of the course. 2) 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 or may not have the SEE component in the evaluation. 3) In such cases where a laboratory carries more credits and is not part of the theory, they are listed separately in the Scheme of Teaching and Evaluation. Hence, they are treated as separate “heads of passing” which are assessed and evaluated independently. 4) 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. 5) The evaluation system of the programme is comprehensive and continuous during the entire period of the Semester by the faculty who is teaching the course. For a course, the evaluation and grading will be on the following parameters: <table><tr><td>A</td><td>Alternate Assessment Tools (AAT)</td><td>20 marks</td></tr><tr><td>B</td><td>Internal Assessment Tests (IAT)</td><td>30 marks</td></tr><tr><td></td><td>Total of CIE (A+B)</td><td>50 marks</td></tr><tr><td>C</td><td>Semester End Examination (SEE)</td><td>50 marks</td></tr><tr><td></td><td>Total of CIE and SEE (A+ B + C)</td><td>100 marks</td></tr></table>	A	Alternate Assessment Tools (AAT)	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													
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23 OB 4.2	Continuous Internal Evaluation (CIE)	1) For a theory course, with an LT-P distribution of L-0-0, the CIE will carry a maximum of 50% weightage of the total marks of a course before the start of the Academic session of each semester, a faculty may choose for his course Internal Assessment Test and a minimum of two of the following assessment methods with suitable weightage for each. <table><tr><td>1</td><td>Assignments (Individual and/or Group)</td></tr><tr><td>2</td><td>Seminars</td></tr><tr><td>3</td><td>Oral/Online Quizzes</td></tr><tr><td>4</td><td>Group Discussions</td></tr><tr><td>5</td><td>Case Studies/Case lets</td></tr><tr><td>6</td><td>Practical orientation on Design Thinking, Creativity & Innovation</td></tr><tr><td>7</td><td>Participatory & Industry-integrated learning</td></tr><tr><td>8</td><td>Practical activities/ problem-solving exercises</td></tr><tr><td>9</td><td>Class presentations</td></tr><tr><td>10</td><td>Analysis of Industry/Technical/Business Reports</td></tr><tr><td>11</td><td>Reports on Guest Lectures/ Webinars / Industrial Visits</td></tr><tr><td>12</td><td>Industrial/ Social/ Rural projects</td></tr><tr><td>13</td><td>Participation in Seminars/ Academic Events/Symposia, etc.</td></tr><tr><td>14</td><td>Any other academic activity</td></tr></table>	1	Assignments (Individual and/or Group)	2	Seminars	3	Oral/Online Quizzes	4	Group Discussions	5	Case Studies/Case lets	6	Practical orientation on Design Thinking, Creativity & Innovation	7	Participatory & Industry-integrated learning	8	Practical activities/ problem-solving exercises	9	Class presentations	10	Analysis of Industry/Technical/Business Reports	11	Reports on Guest Lectures/ Webinars / Industrial Visits	12	Industrial/ Social/ Rural projects	13	Participation in Seminars/ Academic Events/Symposia, etc.	14	Any other academic activity
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23 OB 4.2	Continuous Internal Evaluation (CIE)	2) The faculty will submit the 'AAT' Assessment Plan to the Dean/HOD for approval and notify the same along with the course syllabus before the start of semester. The total marks of the above two assessment components shall be scaled down to 20 marks/ 20% of total marks of the respective course (i.e., A). 3) To assess the students in a course under IAT component, three tests shall be conducted in a semester. Each test will be conducted for 30 marks. The average marks obtained in these three tests will be taken as IAT Marks (i.e., B). 4) The CIE marks awarded to students at different stages during the course shall be displayed on the notice board of the Department concerned to enable the students to point out any discrepancies. 5) The student shall obtain a minimum of 40% of marks allotted for CIE in each course (i.e., A+B) to be eligible to appear for the SEE in that course. 6) When a laboratory is part of a theory course, with L-T-P distribution of L-0-P, the student shall obtain a minimum of 40% marks in CIE of the laboratory to be eligible to appear for SEE in that course. This is in addition to the requirement specified under (5) above for the theory part of the course. The CIE marks obtained by a student in the laboratory if it is equal to or greater than 40%, shall be retained until the end of that academic year till he passes the SEE. Otherwise, he shall re-register for the course when offered next. 7) If a student is unable to secure a minimum 40% in CIE marks in any course, he shall not be eligible to take up SEE/ viva-voce examination in that particular course. It shall be the responsibility of the dean to scrutinize the list of candidates and permit only the eligible students to take up SEE/ viva-voce. In the event of an ineligible student inadvertently being allowed to appear for the theory/viva voce examination the result of the concerned student shall be withdrawn forthwith by the University. 8) The list of such students, who have not secured the minimum in CIE marks, shall be sent to the Registrar (Evaluation) along with the submission of CIE marks of the successful students. 9) After the submission of CIE marks to the Registrar (Evaluation) of the University, any request for changes in the marks by the Dean shall be considered only after due approval of the Vice-Chancellor obtained through the Registrar (Evaluation). 10) The students not obtaining 40% marks in CIE shall re-register for the course during the subsequent semester whenever it is offered.
23 OB 4.3	Semester End Examination (SEE)	
23 OB 4.3.1	Details of SEE	(A) Courses for which SEE is conducted: - All credit courses in BTech except Social Connect and Responsibility, Mini project, Project Phase-I have SEE. - Mandatory non-credit courses in B Tech Programmes will not have SEE. (B) Maximum Marks: - In UG Programme, SEE for all theory credit courses, laboratory courses will be conducted for a maximum of 100 marks and later reduced to 50 marks. - In UG Programme, SEE for Major Project Work and Research & Industry Internship will be conducted for 100 marks.

Table :7 Courses in SEE and Maximum Marks

Course Type	Max. Marks	Duration	Remarks
Theory Courses (UG)	100	3 Hours	Marks Reduced to 50
Laboratory Courses	100	3 Hours	Marks Reduced to 50
Ability Enhancement Courses	50/100	1Hour/2 Hours	Marks Reduced to 50

(C) Minimum Marks to Obtain in SEE (Passing Standard in SEE):**Table 8: Minimum SEE Marks**

Programe	Courses	Passing Standards in SEE	
		Percentage	Marks
B.Tech	Theory	35% of SEE Marks	18 out of 50
	Lab / Project / Internship/seminar	35% of SEE Marks	18 out of 50

(D) Passing Standard in the Course for Award of Credit and Grade**Table 9: Passing Standards for Award of Grade**

Programme	Courses	Passing Standards in a Course Total Course Marks = Aggregate of CIE + SEE marks*	
		Percentage	Marks
B Tech	Theory	Min. 40% of Total Course Marks	Min. 40 out of 100
	Lab / Project / Internship/seminar	Min. 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 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.

(E) SEE of Different Courses

- I. SEE shall be a written examination for all theory-based credit courses for which SEE is to be conducted.
- II. SEE shall be a practical for all laboratory-based / Project / Industry Internship

23 OB 4.3.1

Details of SEE

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

- I. Laboratory courses shall have two examiners, preferably having more than three years of experience and had taught the subject.
- II. Mini Project / Summer Internship I & II shall be evaluated by internal examiners for B Tech programmes.
- III. Project Work (Major) shall be evaluated by two examiners.
- IV. The examiners of courses shall be appointed by BOE Chairman with approval from the Registrar Evaluation. In such of these courses where there are two examiners, the examiners shall jointly evaluate the performance of the students according to the given assessment criteria and rubrics.
- V. For Research/Industry Internship SEE shall be conducted by the Internal and external examiners appointed by the Registrar Evaluation. The internal examiner shall be the guide for SEE. The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the University and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. In case the external Guide expresses his inability to conduct the Examination at the last moment, the Registrar Evaluation shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide. 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.

	Assessment	Max Marks
(i)	Report Evaluation by Internal Examiner (A)	12.5
(ii)	Report Evaluation by External Examiner (B)	12.5
(iii)	Joint Viva – Voce Examination (C)	25
	Total Marks	50

$$\text{SEE Marks} = (A) + (B) + (C)$$

Exam Schedule: SEE of courses will be conducted as per the exam timetable announced by the office of Registrar Evaluation.

(G) 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.
- ii. A student who remains absent to SEE without any valid reasons will be awarded 'F' Grade.

23 OB 4.3.2	Eligibility to take up SEE	Students who have registered for the semester and satisfy the attendance requirement in all the courses. - Students who have obtained minimum CIE marks in a course. - Students who have paid the prescribed fee. - Students who do not have any pending disciplinary action by the University against him / her.
23 OB 4.3.3	Pattern of Question Paper	The pattern of the question paper shall be as per the model question paper circulated from time to time.
23 OB 4.3.4	Evaluation Process	A) B Tech Programme (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' experience, according to the scheme of evaluation for the respective course. Answer scripts of the B Tech Programme are blind reviewed to ensure quality and accuracy of evaluation as per the scheme. a) Moderator: An examiner has been chosen from the panel of examiners approved by the Board of Examiners (BoE). b) No. of Scripts: 10% of total scripts spanning the entire range of marks awarded in the first valuation are selected for moderation. c) Final Marks Awarded After Moderation: - If the difference between the evaluator & moderator marks is $\leq 15\%$ of the maximum marks, then the marks awarded by the moderator will be considered. - If the difference between evaluator & moderator marks is more than 15% of the maximum marks, then such scripts will go for a third evaluation. B) Third Evaluation in B Tech Programmes I. Evaluator: An external examiner chosen from the panel of examiners or a senior professor in the department who has taught the course earlier as approved by BoE. II. Final Marks Awarded After Third Evaluation: - The average marks of the nearest two evaluation marks are taken as final marks. - 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.
23 OB 4.3.5	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: A) Who Can See? - Interested students who are not satisfied with the results of a course can see the answer books after applying for it. - Such students will have to appear in person and produce the proof of his / her identity to the concerned authorities before seeing of answer books. Answer books will not be disclosed to any person other than the one who has written the exam.

23 OB 4.3.5	Disclosure of Answer Books (Answer Book Seeing)	B) Who Will Show? Office of the Registrar Evaluation C) When? Within 3 to 4 working days after the announcement of results D) How to apply? I. Interested student must pay the prescribed fee, fill the application form and submit the duly signed application form along with the fee paid receipt to office of Registrar Evaluation by appearing in person before the last date mentioned. 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. II. At the time of submitting application, student will produce the proof of his / her identity to the concerned authorities. III. Applications received after the last date and applications found to be not correct in any respect will not be considered.
		E) Grievances: I. If a student is satisfied with the valuation of his / her book and has no grievance, then he/she will fill a 'Satisfactory Evaluation Form' and submit it to the Office of Registrar Evaluation. II. If a student has any grievance with respect to totaling of marks or marks not being awarded to any question then he/she has to fill an 'Evaluation Grievances Form' and submit the same to the Office of Registrar Evaluation III. The BOE chairperson will look into such and take corrective measures under the directions of Registrar Evaluation. IV. If a student has any grievance with respect to wrong evaluation or expected marks not being awarded, then he/she has to apply for 'Challenge Evaluation' by filling out a 'Challenge Evaluation Form' and paying the prescribed fees. The form and the copy of the fee paid receipt will have to be submitted to the office of Registrar Evaluation [before the notified last date].
23 OB 4.3.6	Revaluation, Re-totaling & Photocopy of Answer Scripts	❖ Answer scripts in courses which have been evaluated twice, shall not qualify for revaluation. Courses with single valuation shall qualify for revaluation. ❖ All UG theory courses shall qualify for revaluation, re-totaling and photo copy of answer scripts. ❖ All UG Practical / Laboratory courses shall not qualify for revaluation, re-totaling and photo copy of answer scripts. However, the computer aided drawing related courses namely CAED, CAMD and CABPD, Computer Aided Electrical Drawing and Computer Aided Detailing of Structures shall qualify only for revaluation and re-totaling but not photo copy of answer scripts. ❖ A Candidate can apply for revaluation, re-totaling and photocopy of the answer scripts as per the announcement / circular from the office of the Registrar Evaluation, after publishing the result of the current semester by paying the prescribed fee. The candidates shall submit the application to the office of the Registrar Evaluation in the prescribed form. There shall be no restriction on the number of courses for which the candidate can apply for re-totaling and / or photocopying of the answer scripts.

23 OB 4.3.6	Revaluation, Re-totaling & Photocopy of Answer Scripts	❖ On receipt of the applications for re-totaling, photocopying and revaluation, office of the Registrar Evaluation shall prepare the consolidate list of applications with USN, Course Code & Course name for each of the above purposes facilitating the retrieval of the respective answer scripts. Office of the Registrar Evaluation shall complete the process of addressing applications for re-totaling and photocopying. ❖ The Candidates who have applied for re-totaling will be called in batches to the office of the Registrar Evaluation. They will be given their answer scripts to verify the marks and re-totaling of the marks and to find out whether answers of the questions attempted are awarded marks or not.
		❖ The Registrar Evaluation shall arrange for (i) Giving new code numbers for the answer scripts that need to be sent for revaluation, (ii) Detach or completely mask the title page of the answer script and send it for revaluation. The process be repeated in case of issuing the script for 2nd revaluation (difference of marks is more than 15). The examiners shall be invited to the valuation center as per the direction of the Registrar Evaluation. ❖ The revaluation marks shall be entered in a separate facing sheet. The examiner shall be provided with the scheme of valuation for the course and all the marks shall be entered in to a separate marks list for all the revalued scripts. ❖ If the revaluation marks are less than the original marks, then the original marks shall be retained. ❖ Highest of Original marks (average of I & II Valuation or moderated) & Revaluation marks shall be considered for grading. ❖ Third Valuation shall be done for scripts having a difference of 16 marks & above, between Original Marks & Revaluation Marks. ❖ After the third valuation, average of nearest two awarded marks shall be considered for grading. ❖ For a script evaluated twice or thrice (Revaluation & Third valuation) at least one of the evaluations shall be done by an external examiner.
23 OB 4.3.7	Challenge Evaluation	a) Who Can Apply? Any student who has grievance with respect to evaluation of his / her answer book can apply. b) How to Apply? I. Student must pay the prescribed fee, fill the ‘Challenge Evaluation Form’ and submit the duly signed application form along with the fee paid receipt to office of registrar evaluation by appearing in person by the last date mentioned. II. At the time of submitting application, student will produce the proof of his / her identity to the concerned authorities III. Applications received after the last date and applications not duly signed and submitted by the person seeking challenge evaluation will not be considered. c) Process I. Challenge evaluation will be done jointly by Two Evaluators. II. The examiner who has evaluated the same answer book earlier will not be called for challenge evaluation. III. Only those questions for which the student has applied for revaluation will be evaluated in challenge evaluation. The existing marks will not be disclosed to the evaluators during challenge evaluation d) Challenge Evaluation Marks: The marks awarded in the challenge evaluation will be the final SEE marks. There will be no scope for any further review or appeal over and above this result.

23 OB 4.3.8	Gracing Policy	Following gracing policy shall be applicable to B TECH programmes: I. A student is eligible to get a maximum grace marks of 2% (2/100) in semester end examination (SEE) per course, provided the student gets the minimum required marks in SEE for that course and passes in that course by such grace marks. A student is eligible to get a maximum grace marks of 2% in continuous internal evaluation (CIE) per course, provided the student gets the minimum required marks in SEE for that course. II. A student is eligible to get a maximum of 1% of SGPA (0.1 out of 10) as grace if the student is falling short of either 6.00 or 7.00 which are treated equivalent to First Class and First Class with Distinction, respectively. III. 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. IV. Grace Marks awarded for passing the examination is shown only in the ledger and not in the statement of marks.
23 OB 4.4.0	Make-up Examinations	
23 OB 4.4.1	Courses	Makeup examinations shall be conducted every semester after the declaration of regular Semester End examination (SEE) results.
23 OB 4.4.2	Eligibility	1. Make up examination facility shall be available to those students who have failed in the just conducted Semester End Examination (SEE). 2. Students who obtains “I” and “F” grade in the SEE examination are eligible for taking make-up examination.
23 OB 4.4.3	Registration	Eligible students will have to apply for make-up examinations in the Office of Registrar Evaluation by paying the prescribed fee.
23 OB 4.4.4	Exam Schedule	Make-up exam of courses will be conducted as per the exam timetable announced by the office of registrar evaluation.
23 OB 4.4.5	Standard of Examinations	1. The standard of the make-up examinations shall be same as that of the regular SEE for any course, however, the students passing the Makeup/ Supplementary examination shall lose their eligibility to be considered for the award of ranks. 2. No answer script verification and revaluation for Makeup examination.
23 OB 4.4.6	Grades Awarded	❖ If the student fails to obtain the minimum marks in make-up examination, then he/she will be awarded ‘F’ Grade.
23 OB 4.4.7	Absent to Make-up Examinations	If the student does not appear for the make-up examinations, the ‘I’ Grade shall be converted to ‘F’ Grade.
23 OB 4.4.8	Supplementary Semester	❖ The students who have satisfied CIE and Attendance requirements for the courses and obtained F grade in SEE are permitted to appear directly in ensuing examinations as backlog papers. The students need not re-register for such course/s in the supplementary / fast track semester. In case the student wishes to improve CIE / he/she has to re-register for supplementary / fast track semester as and when offered next. ❖ A supplementary semester shall be conducted at the end of every even semester. Students who have earned ‘F’ grade/ ‘NE’ Grade and those who wish to improve grades can register for supplementary semester of 15days duration and take exams. A maximum of 16 credits can be registered in a supplementary semester.

23 OB 4.4.8	Supplementary Semester	❖ The student who obtains required attendance and CIE in supplementary semester, but obtains 'F' grade in SEE, is permitted appear for SEE subsequently as backlog course/s. The student need not repeat course for Attendance and CIE. ❖ The course/s for which the student does not possess satisfactory attendance and CIE score, shall be marked as NE in the Grade sheet. Such students are not permitted for SEE for the Courses marked as NE in Grade sheet. The students have to re-register only for course/s marked as NE in supplementary / subsequent semester whenever that course is offered semester and obtain the required CIE and attendance. Subsequently, they are eligible to appear for SEE in such course/s. ❖ Courses with Transitional Grades viz., "W", and "I", are also eligible to register in supplementary semester in case if they wish to improve the score in CIE. ❖ All courses may not be offered in the Supplementary semester. It is the discretion of the University to offer the courses based on the availability of resources. The Institute shall notify time table for Supplementary semester well in advance. ❖ Supplementary Semester is optional; it is for the student to make best use of the opportunity. ❖ Supplementary semester is a special semester and the student cannot demand it as a matter of right. ❖ A student is permitted to register for a maximum of 16 credits in Supplementary / fast track semester. ❖ A student has to choose those courses which are offered by the Institution in a given Supplementary Semester. ❖ In the supplementary semester, each course need to be offered for required number of lectures / tutorial / laboratory hours as prescribed in the syllabus.
23 OB 4.4.10	When to offer Supplementary Semester	A student of UG programme will have opportunity to register for supplementary semester which is offered after every even semester examinations.
23 OB 4.4.11	Standard of Examinations	❖ A supplementary semester shall be conducted at the end of every even semester. Students who have earned 'F' grade/ 'NE' Grade and those who wish to improve grades can register for supplementary semester of 15days duration and take exams. A maximum of 16 credits can be registered in a supplementary semester. ❖ However, the students passing the Makeup/ Supplementary examination shall lose their eligibility to be considered for the award of ranks.

23 OB 5.0 Grading System

23OB 5.0	Grading System	University follows Grading System to evaluate the performance of students in a course because of its many advantages.																																				
23OB 5.1	Absolute Grading System	Absolute Grading System is followed by allocating a Letter Grade for a band of marks in a course.																																				
23OB 5.2	Letter Grades	A) General I. The performance of a student in a course is indicated by awarding a Letter Grade, which is a qualitative measure of the performance. II. The Letter Grade is arrived at based on the student’s performance in a course, which includes both CIE and SEE marks.																																				
	Grades in Credit Courses	For B Tech 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. For letter grades, such as, Outstanding (S), Excellent (A), Very Good (B), Good (C), Above Average (D), Poor (E) and Fail (F) are awarded based on the total marks scored in CIE and SEE together as per the following tables: B) Table: 9 Grading system for B Tech Programs <table><tr><td>Level</td><td>Outstanding</td><td>Excellent</td><td>Very Good</td><td>Good</td><td>Above Average</td><td>Average</td><td>Pass</td><td>Fail</td></tr><tr><td>Letter Grade</td><td>O</td><td>A +</td><td>A</td><td>B+</td><td>B</td><td>C</td><td>P</td><td>F</td></tr><tr><td>Marks Range</td><td>90-100</td><td>80-89</td><td>70-79</td><td>60-69</td><td>55-59</td><td>50-54</td><td>40-49</td><td>0-39</td></tr><tr><td>Grade Points</td><td>10</td><td>09</td><td>08</td><td>07</td><td>06</td><td>05</td><td>04</td><td>00</td></tr></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
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																														
23OB 5.2	‘F’ Grade	I. A student shall be awarded an ‘F’ grade in a course in any of the following cases: ♦ Student fails to secure minimum passing marks in SEE. ♦ Student fails to secure minimum passing marks for earning the credits and award of grade. ♦ Student is absent for the SEE. II. A student who obtains “F” grade in a core course shall re-appear for the course during subsequent SEE. III. A student who obtains “F” grade in an elective course shall re-appear for the course during subsequent SEE or register for any other elective course.																																				
	‘DX’ Grade	If a candidate fails to satisfy the minimum attendance requirements in any course, ‘DX’ Grade is awarded to that course and the candidate has to repeat that course in their entirety by re-registering as and when the course is offered next.																																				
		(C) Grades in Mandatory Non-credit Courses: I. In Mandatory Non-credit courses, students will be awarded only ‘Pass’ or ‘Fail’ Grade. II. ‘PP’ Grade is the Pass Grade in Mandatory Non-credit courses, which is awarded for students who satisfy the prescribed Attendance and CIE marks. III. ‘NP’ Grade is the Not Pass Grade in Mandatory Non-credit courses, which is awarded for students who do not satisfy the prescribed Attendance and Sessional marks requirement in 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.																																				

23OB 5.3	Transitional Grades	‘I’, and ‘W’ grades are transitional grades and will be replaced by an appropriate letter grade once the student completes the course requirements.
	‘I’ Grade	❖ ‘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 University, 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 University. ❖ In the event of (a) or (b) of above clause, it is the responsibility of the student / parent / guardian to inform the Office of Registrar Evaluation immediately through HOD/ Chair Person and apply for the award of ‘I’ Grade ❖ Applications requesting for the award of ‘I’ Grade received after the conduction of examination shall not be considered. ❖ The candidate needs to submit all the relevant evidence (hospital reports, police reports, certificates from competent authorities, etc.) in support of his claim. ❖ A committee (Registrar Evaluation as chairman, Deans, and Dean-Students Affairs as members) will decide about awarding ‘I’ Grade taking into consideration all the documentary evidence produced by the candidate. ❖ 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. ❖ 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 (S to F) based on the performance. ❖ If the student does not appear for the make-up examinations, the ‘I’ Grade shall be converted to an ‘F’ Grade. ❖ ‘I’ Grade is not awarded in Make-up examinations or Fast Track SEE.
	‘W’ Grade	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 Fast Track semester of that academic year and the “W” grade shall be converted to one of the other letter grades (S to F) after the completion of SEE of Fast Track semester. iv) If the student does not register or appear for the SEE of Fast Track Semester, the “W” grade shall be converted to an “F” grade. v) “W” grade is not awarded in Fast Track semester.
23OB 5.4	Grade Points	A student earns certain grade points depending on the letter grade assigned. University follows the 10-point grading system.
23OB 5.5	Earning of Credits	A student shall be considered to have completed a course successfully and earned credits if he/she secures an acceptable letter grade in the range O to P (for B Tech Program) . Letter grade F in any Course implies failure of the student in that Course and no credit shall be earned.

23OB 5.6	Academic Performance Evaluation	The academic performance of a student is indicated by two different indices, Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).																																																																				
	(A) Semester Grade Point Average (SGPA)	1. SGPA is an indication of the student performance in the current semester. The SGPA 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; $SGPA = \frac{\sum [Course\ Credits\ X\ Grade\ Points]}{\sum [Course\ Credits]}$ Considering all courses registered by the student in that semester, including courses with ‘F’ Grade but excluding transitional grades.																																																																				
		2. The SGPA is calculated to the second decimal position. 3. Credits for subjects with transitional grades will be taken into calculation of SGPA on their conversion to one of the letter grades (S to F) as per the makeup, Fast Track semester examinations rules and regulations. 4. The Mandatory Non-Credit Course (MNC) will not be accounted for the computation of SGPA.																																																																				
	(A) Semester Grade Point Average (SGPA)	(B) Cumulative Grade Point Average (CGPA) ❖ CGPA is an indication of the cumulative performance of the student from the first semester up to the current semester. The CGPA 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 $CGPA = \frac{\sum [Course\ Credits\ X\ Grade\ Points]}{\sum [Course\ Credits]}$ Considering all the courses registered by the student until that semester excluding those with ‘F’ Grade and transitional grades until that semester. The CGPA is calculated to the second decimal position. ❖ Credits for subjects with transitional grades will be taken into calculation of CGPA on their conversion to one of the letter grades (S to F). ❖ The MNC course will not be accounted for the computation of CGPA. ❖ CGPA is computed by considering the latest grade obtained by the student in the courses repeated.																																																																				
		Table: 10 SGPA & CGPA calculations- Illustrative example for one Academic year <table><tr><th>Semester</th><th>Course Code</th><th>Credits</th><th>Grade</th><th>Grade Points (GP)</th><th>Credit Points (CrP)</th><th>SGPA, CGPA</th></tr><tr><td>I</td><td>XX11</td><td>3</td><td>B</td><td>8</td><td>3x8=24</td><td rowspan="10">$SGPA = \frac{\sum Gi \times Gi}{\sum Gi}$ $SGPA = \frac{101}{20}$ = 5.0</td></tr><tr><td>I</td><td>XX12</td><td>3</td><td>Absent(F)</td><td>0</td><td>3x0=00</td></tr><tr><td>I</td><td>XX13</td><td>3</td><td>A+</td><td>9</td><td>3x9=27</td></tr><tr><td>I</td><td>XX14</td><td>3</td><td>F</td><td>0</td><td>3x0=00</td></tr><tr><td>I</td><td>XX15</td><td>3</td><td>B</td><td>6</td><td>3x6=18</td></tr><tr><td>I</td><td>XX16</td><td>1</td><td>C</td><td>5</td><td>1x5=05</td></tr><tr><td>I</td><td>XX17</td><td>1</td><td>A+</td><td>9</td><td>1x9=09</td></tr><tr><td>I</td><td>XX18</td><td>2</td><td>B</td><td>6</td><td>2x6=12</td></tr><tr><td>I</td><td>XX19</td><td>1</td><td>B</td><td>6</td><td>1x6 = 06</td></tr><tr><td colspan="2">Total</td><td>20(14*)</td><td colspan="2">Total</td><td>101</td></tr></table>	Semester	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA	I	XX11	3	B	8	3x8=24	$SGPA = \frac{\sum Gi \times Gi}{\sum Gi}$ $SGPA = \frac{101}{20}$ = 5.0	I	XX12	3	Absent(F)	0	3x0=00	I	XX13	3	A+	9	3x9=27	I	XX14	3	F	0	3x0=00	I	XX15	3	B	6	3x6=18	I	XX16	1	C	5	1x5=05	I	XX17	1	A+	9	1x9=09	I	XX18	2	B	6	2x6=12	I	XX19	1	B	6	1x6 = 06	Total		20(14*)	Total		101
Semester	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA																																																																
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I	XX19	1	B	6	1x6 = 06																																																																	
Total		20(14*)	Total		101																																																																	

		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.									
		Semester	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA			
		II	XX21	3	B+	7	3 x 7 = 21	SGPA = $\frac{178}{26}$ = 6.85			
		II	XX22	3	A	8	3 x 8 = 24				
		II	XX23	3	B	6	3 x 6 = 18				
		II	XX24	3	C	5	3 x 5 = 15				
		II	XX25	3	A+	9	3 x 9 = 27				
		II	XX26	1	F	0	1 x 0 = 00	CGPA = $\frac{\sum Ci \times Si}{\sum Ci}$ = $\frac{(101 + 178)}{14 + 25}$ = 7.15			
		II	XX27	1	A+	8	1 x 8 = 08				
		II	XX28	2	A+	9	2 x 9 = 18				
		II	XX29	1	A	8	1 x 8 = 08				
		I Semester									
		I	XX12	3	B	6	3 x 6 = 18				
		I	XX14	3	B+	7	3 x 7 =21				
		Total		26(25*)	Total		178				
		b) CGPA Calculation of the Program: An Illustrative Example									
		Semester		I	II	III	IV	V	VI	VII	VIII
		Credits of the Semester		20	20	20	20	20	20	24	16
		SGPA		5.0	6.73	9.20	6.86	8.18	7.73	9.18	9.40
		$\sum$ CrP		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									
23OB 5.7	Review Committee for CIE	1. Review of assessment is an organized procedure that ensures the use of valid assessment methods and consistent application of criteria, to provide fair academic judgment and reliable outcomes in the form of marks or grades. It assures appropriate designing and implementation of assessment activities along with the generation of valid and reliable results. 2. After each test, the Dean shall ensure that the evaluation is fair in each of the courses, scheme of valuation is uniformly followed and that the award of marks in the courses follow a normal distribution curve. If there are any lapses or the marks distribution is either left skewed or right skewed, corrective measures shall be taken and the Report be submitted to the University. 3. If the review exercise is done solely for the purpose of unduly favoring the students, the University reserves its right to take punitive action on the concerned. 4. There shall be a Review Committee for Internal Assessments in every Department, which shall be chaired by the Head of Department and two senior faculty members nominated by the Registrar Evaluation. This Committee shall be responsible for the entire process of Internal Assessment in the Department, including re-dressal of grievances, if any.									

		5. Guideline for the Review Committee: Review may be conducted after each test or after the tests in case there is a large number of failures or high marks, or when large number of students have received the same marks, or when there are wide discrepancies between marks allocated to individual students in different courses, ❖ Split-up of marks used for each of the different types of assessment in the course may be checked. ❖ Checking of the questions to find whether it maps to course outcomes. ❖ Checking the difficulty level of questions paper i.e. is the difficulty level on the high extreme, very easy or otherwise. ❖ Whether the assessment modes are used to cover the entire syllabus or not. ❖ Checking the manner of awarding the marks, i.e., has correction been at the extremes, liberal or tough. ❖ Moderation should not be restricted to just assessment but also includes the assessment design (scheme of evaluation). ❖ Each University shall submit the moderation committee report to Registrar (Evaluation) along with the CIE marks.
23OB 5.8.	Rejection of Result	1. 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. 2. 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. 3. 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. 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/Registration ID, which was allotted earlier. The maximum duration of the Program shall be counted with reference to the University Seat Number (USN)/ Registration ID. d) Applications for rejection of results excluding CIE and approval to reappear for university examinations shall be sent to the Registrar (Evaluation) through the Dean of the University 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 Dean of the University 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

		4. Registration for SEE is compulsory if the student/s has satisfied the attendance and CIE requirement of ODD /EVEN semester. 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. 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.
23 OB 5.8	Rejection of Result	5. 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.
23 OB 5.9	Academic Malpractice	Academic malpractices shall be seriously viewed, and appropriate action taken. In case of malpractice during any of the internal examinations like assignments, quizzes, and tests, the Course Teacher/Invigilator shall report the matter to the Dean for penal action. If the Dean finds that the offence is serious enough or the candidate appeals in writing to the University, then the matter shall be further referred to the Academic Malpractice Committee of the University. However, any malpractice in the SEE shall be reported to the University irrespective of the seriousness of the malpractice.

23 OB 6.0 MAXIMUM DURATION FOR PROGRAMME COMPLETION		
23 OB 6.1	Multiple-Entry-Multiple-Exit Options	While earning credits towards their B.Tech degree, the students may judiciously use the options provided to them through CBCS and MEME clauses in the regulations, to obtain additional certificate and a B.Sc. degree. However, they shall earn the required credits for the award of the degree within the maximum specified duration. The following distinctions are awarded under MEME options:
	1. Certificate in Respective Programmes of Engineering	A student who exits at the end of II year of the programme shall be awarded a certificate, if he/she successfully passes the registered courses and earns: ❖ Atleast 50% of the credit requirements of B.Tech programme. (i.e., 80 credits) However, it is 25% for lateral admission candidates (i.e., 40 credits). ❖ Atleast 50% of the programme professional core courses (some specific courses may be specified, so the leaving student has decent skills), and ❖ A minimum CGPA of 5.0.
	2. B.Sc. in Respective Programmes of Engineering	A student who exits the end of III year of the programme shall be awarded a B.Sc. degree, if he/she successfully passes the registered courses and earns: ❖ Atleast 75% of the credit requirements of B.Tech programme (i.e. 120 credits); and completed atleast 3 years (80 credits and 2 years respectively for lateral admission candidates) in the programme. ❖ 100% of programme professional core courses. ❖ A minimum CGPA of 5.0. With B.Sc., the student is eligible for entry into programmes which take B.Sc. as admission eligibility criteria.
	3. Re-entry to complete the programme	A student exiting with a certificate or B.Sc should be entitled to re-enroll in the programme. All the credits will be transferred, if the student enrolls back within a limited period of 3 years of exiting. In case a student enrolls after that, then the transfer of credits should be examined by looking at the change in the curriculum from what the student did. Exits are permitted by the University within 15 days of announcement of II year and III year University results, on written request for the award of certificate and B.Sc. Degree by a student when he/she is eligible. Corresponding to these two exits, a maximum of two re-entries are permitted with the condition that he/she complete the programme within the maximum specified duration.

23 OB 6.1	4. Programme Completion in another Institution	The University permits a student to earn a certificate/ B.Sc. in one institution and complete the degree programme in another. This will enhance the value of certificates and the B.Sc. Degree.
23 OB 6.2	Maximum Duration for Programme Completion	The minimum duration of the program is four academic years for regular students and three years for lateral entry students. Students admitted to first-semester B Tech shall complete the programme within eight academic years from the year of the first admission, failing which they will not be eligible for the award of a degree. Students admitted to third semester B Tech under the lateral entry category shall complete the programme within six academic years from the year of the first admission, failing which they will not be eligible for the award of degree.
23 OB 6.3	Readmission	1) Students who are temporarily discontinuing the programme and getting readmitted to the eligible semester are permitted. 2) The permission for readmission is only on request through the Dean and is not treated as a matter of right. Such students shall not claim any benefits based on the readmission. 3) 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. 4) 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. 5) 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.Tech., with a new University Seat Number (USN) but retaining the same year of admission. 6) 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 the autonomous University of the University/other University to non-autonomous constituent/affiliated University of the 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. 7) In case, the forecasted or estimated credits are going to be less than that of the credits prescribed by the University on the completion of all the semesters of the programme under the prevailing scheme, the candidate shall register for a course or courses not studied earlier and make up the credits which are equal to or greater than the University prescribed credits. 8) In case of any difficulty, Vice-Chancellor shall decide on individual cases, which shall be final.

23 OB 7.0 GRADING AND VERTICAL PROGRESSION

23 OB 7.1	Award of Grades	1) 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. 2) The total marks obtained by the student in CIE and SEE of a course is expressed as a percentage to compute the grade points and the letter grade is awarded. 3) If there is no SEE for a course, then the CIE marks alone will be the basis for the determination of letter grade.
23 OB 7.2	Vertical Progression	A student progresses according to his/her performance and could register for the higher semesters subjected to conditions.
	1) Students admitted to the first year	Students having "F" grades for the courses totaling to more than 16 credits in the 1 st and 2 nd semesters of the first year of the programme shall not be permitted to move to the 3 rd semester (2 nd year) of the programme. These courses include courses marked as DX. The students who fail to satisfy CIE and attendance requirement shall repeat the courses whenever offered next and become eligible for the 2 nd year.
	2) Obtaining CIE	From the 3 rd semester (II year) onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student shall mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE.
	3) Completion of backlog courses	From 3rd semester (II year) onwards, ❖ the student who obtains required attendance, CIE, and appearing for SEE obtains "F" Grade shall be allowed to move forward to the next semester (odd/even) irrespective of several "F" grades. ❖ There shall be no restriction for promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students), but he/she shall not be eligible to appear for SEE in those course(s). Such students shall repeat those courses whenever offered next.
	4)	A student shall be given admission to the 7 semester (IV year) provided he/she passes all courses of 1 st and 2 nd semesters.
	5) Permitted Maximum credits for registration	The student shall be permitted to register for total courses to an extent of 27 credits subjected to the conditions and can register 16 credits in Fast track Semester.
	6) Successive Failures and alternate course selection	a) If a student not completing a course, other than the professional core course, even after four attempts, may drop that course and choose an alternate course having the same number of credits from the pool of courses suggested by the concerned Board of Studies. b) The course so selected should not have been studied by the student or to be studied in future at higher semesters. The faculty advisor shall guide/advise the student in this regard. c) The University shall make arrangements for the registration and conduction of CIE for the alternate course selected. d) This provision is given only for two courses (one at a time) during the entire maximum duration of the programme. e) This provision is optional; the student/s can continue registering for the same course without opting for a change.

23 OB 7.3	Condition for Re-Registering a Course	❖ Students who do not pass the course and awarded "F" Grade may Re-Register and improve their performance. ❖ Such student, after passing the failed course in subsequent examination/s, will be awarded letter grade based on the marks he scores while passing in the subsequent examination/s.
23 OB 7.4	Computation of SGPA and CGPA	❖ Semester Grade Point Average (SGPA) will be awarded at the end of each Semester and Cumulative Grade Point Average (CGPA) will be awarded at the end of the program. However, CGPA is calculated at the end of each semester from the second semester onwards and reflected in the grade card for indicating the progress of the student. ❖ Each course in a program is associated with number of credits(C). Based on the number of Credits for a course and obtained Grade Point (GP) for that course in a Semester, the GPA is calculated as given below: a) The SGPA is the ratio of sum of the product of the number of credits with the grade points secured by a student in all the courses taken by him and the sum of the number of credits of all the courses undergone by a student, i.e., $SGPA = \frac{\sum(CI \times GI)}{\sum CI}$ Where CI is the number of credits of the I th course and GI is the grade point scored by the student in the I th course. b) The CGPA is also calculated in the same manner considering all the courses undergone by a student over all the semesters of a programme, i.e., $CGPA = \frac{\sum(SI)}{\sum CI}$ Where Si is the SGPA of the I th semester and CI is the total number of credits in that semester. 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.
23 OB 7.5	Conversions of CGPA into Percentage of marks and Class Equivalence	The following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for employment/ higher studies, etc. may be used; Percentage of marks secured, $M = CGPA \text{ Earned} \times 10$ Ex: Illustration for a CGPA of 8.20; Percentage of marks secured, $M = 8.20 \times 10 = 82.0 \%$
23 OB 7.6	Class Equivalence	Subsequent to the conversion of final CGPA, after successful completion of the Program, into the percentage of marks (M), a graduating student is reckoned to have passed in (i) First Class with Distinction (FCD) if $M > 70$ (ii) First Class (FC) if $60 < M < 70$ (iii) Second Class (SC) if $50 < M < 60$ (iv) Pass Class (P) if $40 < M < 50$
23 OB 7.7		Award of Grade Cards, Certificates and Transcripts
	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.

	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.												
	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.												
		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 'E', 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.												
		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.												
23 OB 7.8	Mandatory Earning of Activity points	<table border="1"> <thead> <tr> <th>S.no</th><th>Student category</th><th>Activity points prescribed</th></tr> </thead> <tbody> <tr> <td>1</td><td>Regular Students admitted to the 4 year Degree Programme</td><td>100</td></tr> <tr> <td>2</td><td>Students entering 4 year Degree Programme through lateral entry</td><td>75</td></tr> <tr> <td>3</td><td>Students transferred from other Universities. To the 5th semester</td><td>50</td></tr> </tbody> </table> The Activity Points earned shall be reflected on the student's eighth semester Grade Card. (i) Activity Points (non-credit) have no effect on SGPA/CGPA. In case a student fails to earn the prescribed activity Points before the commencement of 8 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.	S.no	Student category	Activity points prescribed	1	Regular Students admitted to 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
S.no	Student category	Activity points prescribed												
1	Regular Students admitted to 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												

23 OB 8.0 ELIGIBILITY FOR AWARD OF DEGREE, PRIZES, MEDALS, AND RANKS

23 OB 8.1	B.Tech degree	(a) Students shall be declared to have completed the undergraduate Programme of B.Tech. degree and is eligible for the award of degree provided they have undergone the stipulated course work of all the semesters under the Scheme of Teaching and Examinations and have earned the prescribed number of credits within the permitted maximum duration (8 years for 1st year admitted students and 6 years for the Diploma lateral admission students from their admission). (b) For the award of degree, completion of bridge courses, if any, as applicable is compulsory.
23 OB 8.2	B.Tech (Honors) Degree	AWARD OF 'HONORS' AT B.TECH DEGREE PROGRAMME General I. These provisions aim at facilitating the award of higher qualifications and recognition to well performing undergraduate students at the University on their acquiring additional credits in the same time period for the programs. II. These Regulations shall be applicable to all B.Tech Degree programs being conducted by the University. Eligibility Criteria for Registration: Every Student intending to register for the 'Honors' Qualification shall fulfil the following academic requirements should be a student of V Semester. I. Have obtained a grade $\geq C$ in all the courses from I to IV Semesters in the First attempt only. II. The lateral entry Diploma students shall have completed Additional Mathematics I and II during III and IV Semesters in the first attempt only.
	Registration Procedure	I. All applicants fulfilling the required eligibility criteria as per above shall register for the 'Honors' in the prescribed form along with the prescribed application fees within the last date after notification from the Office of Registrar . Applications received after the last date shall not be considered for registration. II. There shall be no limit on the intake of students for registration for the Honors qualification.
	Requirements for 'Honors' 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 'Honors' 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 announced by Dean.

III. The Credits equivalence for online NPTEL courses shall be determined based on the following table.

Table: 11 Assigned Credits

Online Course Duration in Weeks	Assigned Credits
04	01
08	02
12	03

IV. Students shall select, 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. In case of violations of this, 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 'Honors' Qualification.

V. The University 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 platforms. University cannot conduct examination and award credits in lieu of NPTEL/SWAYAM/Other platforms to accrue 18 or more credits for the award of 'Honors' 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 'Honors' 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.

(C) Post-completion of Additional Coursework

I. Students who successfully complete the requirements of 'Honors' Qualification shall submit the certificates against the notification issued by the Registrar Evaluation to respective HOD/Dean/ Chairperson within time as per the calendar.

II. HOD /Dean/Chairperson 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 'Honors' Qualification.

III. HOD /Dean/ Chairperson s shall submit the final list of students who are eligible for the 'Honors' Qualification along with the total credit earned by each student and the corresponding MOOC certificates to the Office of Registrar Evaluation before the last date as per the calendar. The list shall B.Tech validated members of the Scrutiny Committee and endorsed by the HOD / Dean/Chairperson.

IV. Those students who cannot/do not submit the certificates on or before the last date prescribed by the University shall not be considered for the award of 'Honors' qualification, irrespective of the number of Credits earned by them. However, they shall be awarded only B.Tech Degree.

23 OB 8.2	Award of 'Honors' Qualification	(A) Eligibility ❖ Completion of online courses totaling to 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 16.4 (A), (B) and (C)] ❖ (a) Maintaining a grade $\geq C$ in all the courses of V to VIII Semesters on first attempt only. (b) Students failing to maintain a grade $\geq C$ in all the courses of V to VIII Semesters in the first attempt only shall discontinue the attempt to earn additional credits. ❖ Having a CGPA ≥ 7.5 at end of the program even if they have satisfied the consideration of the additional credit prescribed for 'Honors' Qualification. (a) Students shall be declared to have completed the undergraduate Programme of B.Tech degree with Honors, provided they have been declared eligible for the award of the degree as per norms. (i) Earned additional 18 or more credits through University approved online courses, and (ii) Satisfied the conditions of "KU (Award of Honors at B.Tech Degree Programmes) Regulations, 2023".
23 OB 8.3	B Tech with Minor Degree	a) Students shall be declared to have completed the undergraduate Programme of B.Tech degree with Minors, provided they have been declared eligible for the award of the degree as per norms. (i) has earned additional 18 or more credits through University approved online courses, and (ii) Satisfied the conditions of "KU (Award of B.Tech with Minor at Degree Programmes) Regulations, 2023".
23 OB 8.4	Award of Degree for an Extraordinary Student	1) The University can offer a fast-track degree for an extraordinary student. The same is done by offering courses of his/ her choice to fulfill the requirement of the programme in three and half years. 2) However, the degree shall be awarded on completion of 04 years. 3) The course completion letter shall be issued jointly by the University immediately after completion of the programme, not withstanding t minimum duration. 4) The extraordinary student is one with a CGPA > 9 in 2nd and 3rd semesters and continue to maintain the same in all the semesters. Otherwise, his/her registration shall stand cancelled automatically. 5) Aspirant students shall register with the University through the Dean of the University at the 4 semester level, with the prescribed registration fee as fixed by the University from time to time. Such students shall register for more credits, other than the regular semester credits, along with the 5th semester registration.

23 OB 8.5		Noncompliance Cases
	1) Noncompliance of Mini-project	The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Mini project requirements.
	2) Noncompliance of Major-project	The Project Work shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the Major-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Major-project requirements.
	3) Noncompliance of Internship	All the students of B Tech shall have to undergo mandatory-internship The internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examinations after satisfying the internship requirements.
	4) Non-compliance to earn credits in Honors and Minors	When a student registering for minor or Honors degree is unable to complete all the required courses or earn the required credits within the maximum programme duration or at the time of becoming eligible for the award of the Degree, may withdraw from these additional degree programmes and request for the award of a certificate. The University shall consider those additional courses passed as Value Added Courses and issue a certificate to that effect.
23 OB 8.6	Award of Prizes, Medals, and Ranks	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards. ❖ For the award of rank in a Specialization of Bachelor of Technology, the highest CGPA secured by the students at the end of the VIII semesters shall be considered after having completed the requisite credits. ❖ The additional credits earned for the award of Honors/ Minors degree shall not have any bearing for the Rank declaration. ❖ A student shall be eligible for a rank at the time of award of the degree of Bachelor of Technology, 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 I year. (ii) Has passed all the Courses (including bridge courses) of III to VIII semester in the first attempt only in case of Candidates admitted under lateral entry scheme. 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 (I to VIII or III to VIII for lateral entry students) in KU. d) Has not been transferred from any autonomous University affiliated to KU or any other University.

23 OB 8.6		(4) The total number of ranks awarded shall B.Tech 10% of the total number of students who appeared in the VIII semester subject to a maximum of 10 ranks in a specialization. (5) For an award of ranks in a specialization, a minimum of 10 students should have appeared in the VIII semester examination. Illustration: a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Program, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10. b) If 90 students appeared for the VIII semester in Bio medical Engineering, the number of ranks to be awarded for Bio medical Engineering will be 09. 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.
23 OB 8.7		Ranks shall be awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained a higher SGPA. If it is not resolved <i>even</i> at this stage, the number of times a student has obtained higher grades like S, A+, A, B+ etc., shall be taken in to account to decide the order of the rank.

23 OB 9.0 CHANGE OF UNIVERSITY: TRANSFER OF STUDENTS

23 OB 9.0	CHANGE OF UNIVERSITY: TRANSFER OF STUDENTS	The Regulations Governing the Change of University shall be followed.						
23 OB 9.1	CHANGE OF BRANCH	The Regulations Governing the Change of Branch shall B.Tech followed.						
23 OB 9.2	Applicability and Power to Modify	i) The regulations governing the degree of Bachelor of Technology of Kishkinda University shall be binding on all concerned. ii) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address and removal of any difficulty. iii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.						
An illustrative example to calculate SGPA and CGPA for one academic year		Semester	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	$SGPA = \frac{\sum Ci \times Gi}{\sum Ci}$ $SGPA = \frac{101}{20}$ $= 5.0$
		I	XX11	3	B	8	3x8=24	
		I	XX12	3	Absent(F)	0	3x0=00	
		I	XX13	3	A+	9	3x9=27	
		I	XX14	3	F	0	3x0=00	
		I	XX15	3	B	6	3x6=18	
		I	XX16	1	C	5	1x5=05	
		I	XX17	1	A+	9	1x9=09	
		I	XX18	2	B	6	2x6=12	
		I	XX19	1	B	6	1x6 = 06	
		Total		20(14*)	Total		101	

23 OB 9.2

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.

Semester	Course Code	Credits	Grade	Grade Points (GP)	Credit Points (CrP)	SGPA, CGPA
II	XX21	3	B+	7	3 x 7 = 21	SGPA = $\frac{178}{26}$ = 6.85
II	XX22	3	A	8	3 x 8 = 24	
II	XX23	3	B	6	3 x 6 = 18	
II	XX24	3	C	5	3 x 5 = 15	
II	XX25	3	A+	9	3 x 9 = 27	
II	XX26	1	F	0	1 x 0 = 00	CGPA = $\frac{\sum \text{Ci} \times \text{Si}}{\sum \text{Ci}}$ = $\frac{(101 + 178)}{14 + 25}$ = 7.15
II	XX27	1	A+	8	1 x 8 = 08	
II	XX28	2	A+	9	2 x 9 = 18	
II	XX29	1	A	8	1 x 8 = 08	
I Semester						
I	XX12	3	B	6	3 x 6 = 18	
I	XX14	3	B+	7	3 x 7 =21	
Total		26(25*)	Total		178	

CGPA Calculation of the Program: An Illustrative Example

Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the Semester	20	20	20	20	20	20	24	16
SGPA	5.0	6.73	9.20	6.86	8.18	7.73	9.18	9.40
$\sum \text{CrP}$	100	175	220	165	204	185	184	169

$$\text{CGPA} = \frac{[100 + 175 + 220 + 165 + 204 + 185 + 184 + 169]}{160} = \frac{[1402]}{160} = 8.76$$

For Lateral Entry Students

$$\text{CGPA} = \frac{[220 + 165 + 204 + 185 + 184 + 169]}{120} = \frac{[1127]}{120} = 9.39$$

Guidelines for Using Online Content in Courses at the University

Background	A lot of online high-quality content is available today either free or at a low cost besides the Government supported NPTEL, there are companies who aggregate courses from several Universities (and even private commercial organizations) and offer them to students all over the world. There are other companies who offer courses designed and developed by them. Further, a lot of companies have online content available to students. On the other hand, most of the Computer Science (and related) departments face serious shortage of faculty, particularly in areas where there is a significant demand in the industry. So, on one hand, we have quality content available for free or low cost, and on the other hand, we don't have faculty to teach such courses. The natural solution is to find ways to use online content for the courses in the curriculum (with credits). This way, either a knowledgeable faculty can "teach" a much larger class, or a faculty member with inadequate background in the topic can still "teach" the course better than what he/she would have done without the support of such online content.
Issues	The online content has been around for several years. The regulatory bodies have also been encouraging use of such content (particularly, NPTEL). And yet, the online content has not been integrated with the curriculum in most Universities. The pandemic has allowed people to take a fresh look at online content and the mental barriers to using such content in the curriculum have been reached. At this time, it is felt that a lot of Universities would want to use this content. However, there are two primary academic issues that need to be addressed (besides logistics, financial, and HR issues). These are: 1. How do we decide what material to use? This has two sub-issues. One, what content would be equivalent to the content that is mentioned in our curriculum (course mapping). Note this is a challenge because there may not be a single module which covers all parts of the curriculum. So, we may need to select more than one module. Two, given the plethora of content, which content is of reasonable quality. 2. How would a University do evaluation of students in order to assign marks / grades?
Modes of Learning	There are several ways of using the online content in the curriculum.
(Mode 1)	The simplest mode (Mode 1) is to use online content as additional reference material. In this mode, the normal teaching is anyway being done and the faculty is referring to online content in the same way he/she would refer to a book. This mode requires no change or suggestions and hence is outside the scope of this document.
(Mode 2)	The next mode (Mode 2) is the flipped classroom model where the students go through the online content (including writing programs, small quizzes, etc.), and the local faculty takes discussion sessions and does all the evaluation. This mode still requires a knowledgeable faculty member to be the course, Teacher. However, given that we can now reduce the contact hours for the students and faculty, the same faculty can handle a much larger class (or multiple sections in case there is an upper limit on the size of the class).

Guidelines for Using Online Content in Courses at the University

(Mode 3)	The next mode (Mode 3) is that the students are studying only through the online mode and there is very little interaction with the faculty at the University. May be there can be some sessions once in a while, but mostly, the role of a local faculty is only to handle evaluation (exams, assignments, projects, etc.). This partially addresses the issue of lack of faculty in certain areas since the expertise required for handling evaluation is arguably lesser than the expertise required to teach the course.
(Mode 4)	The last mode (Mode 4) is where the on-line provider does everything, including evaluations. We don't need any faculty member at the University to offer this course. We only need to decide how to translate the evaluation done by an outsider to an equivalent grade/ mark on the University transcript.

The table below illustrate the four models in brief.

Model	Local Part	Online Part	Guidelines
Reference Mode	All lectures ,home works, evaluations	Additional Reference Material	No additional recommendations. This requires no additional details.
Flipped mode	Discussion, sessions, evaluations	Lectures, Home works, Quizzes, Project options	Requires local faculty with some knowledge in the subject area. Large sections/class sizes can be handled
Screen Mode	Evaluations	All lectures, Home works, Projects	Place reasonable limit on the number of credits that can be earned in this mode. Use in cases where there is Faculty shortage in critical areas. Place reasonable limit on the number of credits that can be earned in this mode.
Online Fully		Evaluations, Projects, Tests All lectures,	Advised not to repeat this model for the same course more than two times. Local faculty also to register and go through the course. Official score/grade to be suitably added to the student transcript.

Guidelines for Using Online Content in Courses at the University

Course Mapping

Each course in the curriculum has course outcomes and the content defined by the University. Typically, we may have some course outcomes which are important ones and may be some outcome which is desirable or optional. Similarly, the curriculum may also define the rough duration of each topic. Sometimes the curriculum will also include the kind of projects or assignments that the student shall be asked to do in the course.

The key to course mapping is to realize that any two individuals defining a course will have some differences and we must be flexible to accept differences to some extent. The committee trying to do course mapping should have an understanding of what are the important components (in all three: outcomes, topics, and projects) and should ensure that the online content meets all the important requirements. But looking for identical course would be usually futile. Also, what is noticed is that typical online courses are often available in smaller modules than a typical 4- credit course in our curriculum. And therefore, one may need to consider more than one online course together to be equivalent to one course in the University. It may also be noted that just like some small aspects of the course may not be present in the modules chosen, there may be some aspects of the online modules which were not part of the University course. This amount of flexibility should be acceptable to the University. Typically, if the online content covers 80% of the University course, it may be accepted.

While autonomous Universities and Universities do have this flexibility, the affiliated Universities may not have the flexibility of not teaching even 20% of the content. In case of affiliated Universities, one will have to either be stricter in course mapping or find a way to cover the gaps through a local faculty or a visiting faculty. It is assumed that it is easier to find a visiting faculty for a small part of the course and hence it is still a useful mode.

It may also be noted here that for Core courses, the overlap needs to be significantly higher while for the elective courses, the overlap could be relaxed somewhat. It is because the core courses typically are pre-requisites for other courses. Also, core courses have been defined to be such because it is assumed that content is more important for the graduates than what is taught in electives. However, course mapping is still not an easy thing to do. It requires an understanding of important versus less important components, and quality of content among the plethora of options available. It may require someone to go through the content patiently and hence it is recommended that for courses recommended in the curriculum, a course mapping may be suggested for the benefit of the University.

Guidelines for Using Online Content in Courses at the University

Evaluation	In Modes 1, 2, and 3, the complete evaluation is local, and hence there is no issue. In Mode 4, we need to consider an external evaluation and use that internally. This is a challenge. In a University, a simple way of handling this would be to assign a Pass/Fail grade to the student. In case of an affiliating University, where only the internal marks need to be forwarded to the University, one could consider the external evaluation since it impacts only 30% of the marks, and the University will anyway have its own exam of 70% marks. There are other models like normalizing the external evaluation to the University's internal policy or average distribution of marks in other courses. It is assumed that in Mode 4, there is a formal way of communicating performance of the student by the provider of the online courses since University will not accept screen shots, emails, etc.
Other Issues	
a) Financial	If there is a fee to be paid for online content, the University should have a policy on that. Typically, if the savings due to reduced faculty requirements are significant, then the fees for the online provider shall be reimbursed by the University.
b) Teaching Load	Faculty member supporting the course whether by taking a few discussion sessions (in Mode 2) or by evaluating the students (in Mode 3) is still putting in substantial effort in managing the course, and an appropriate credit should be given to the faculty member when his/her teaching load is computed.
c) Training The teacher	When a course is being done in Mode 3, the local faculty member should also be expected to register for the course and go through the course (with load being appropriately counted). After a faculty member has gone through the course in two academic sessions, he/she would be well prepared to teach the course in the class in a much better way. Even if the course is being offered in Mode 4, there is no harm in asking a faculty member to register for the course and go through it. Some responsible person in the University would know the level of the course and what exactly students have done, and again, after two such sessions, the faculty member would be well prepared to teach the course. Hence this mode will also lead to better training of the teachers.
d) Limits on Credits	The University recommends that there should be a limit on the number of credits students can earn through on line courses. In case of Mode 4, where even the evaluation is done by the online course provider, the proposed limit is 8 credits only. As the technology for online exams or the processes for evaluation by online providers improve over a period of time, this limit may be increased. In case of Mode 3 where the content is delivered online but evaluation is local, the limit can be high. For Mode 3 and Mode 4 combined, the limit can be what the regulatory bodies like UGC have announced for online courses, which is currently 40% of the total credits. In Modes 1 and 2 where the online content is really the reference material, there is no need for any limit. Another constraint the committee would want the University to consider is that in a sequence of courses in one stream of Computer Science, at least one course should be in class. For example, if we consider the sequence of systems courses - Operating Systems, Databases, Networks, Architecture, at least one course should be in class. This is to ensure that if there were some gaps in online courses, the faculty in the face to face class can try to cover that to some extent.

Guidelines for Using Online Content in Courses at the University

Other Issues

e) Faculty Incentive	There is a need to provide some incentive to faculty members who would manage the course that is being taught in the on line mode. If a course is being taught in Mode 2, the load on the faculty is only marginally less than the load of teaching an in person course. So the full teaching load should be considered for the faculty. In Mode 3, the load is much less, and in Mode 4, the load is only that we are asking the faculty to also go through the course along with the students. In these two modes, the University may consider this as reduced load. However, their learning the course may be treated as equivalent to having done a Faculty Development Program when it comes to their appraisal and promotions.
f) Consideration in NBA Accreditation	One of the prime reasons why online courses haven't become popular with University is that they must recruit faculty with a certain faculty to student ratio for accreditation and ranking. And once they have recruited faculty, one would always want the faculty to teach and not keep them under-loaded. If one can consider online courses as equivalent to faculty strength while deciding faculty-to-student ratio, then University would be attracted to online courses. A typical faculty member teaches about 100 students in a semester (across 2-3 courses). If 100 students do a course in Mode 4, we may consider this as equivalent to having one additional full time equivalent (FTE) faculty member on the rolls of the University for that semester. Similarly, if 200 students do a course in Mode 3, we may consider this as equivalent to having one additional FTE faculty member for that semester.
g) Online offering of AICTE Model Curriculum Courses by Experts	It is known that a significant number of University do not have adequately qualified faculty to teach the courses in the model curriculum properly. This proposal tries to alleviate this challenge by utilizing our newly acquired comfort level with online education. Essentially, the suggestion is that AICTE incentivizes top faculty to offer the AICTE model courses online and publishes a calendar of such courses well in advance, so University /HE 1's can use them for teaching the AICTE curriculum.
	The following would be the salient features of the proposed scheme: 1.All the identified core courses and later on some key electives of the AICTE curriculum may offered regularly (may be every semester) with a predefined calendar enabling University to plan to use them for their students. 2. For each course AICTE identifies through a process a set of "Distinguished National Technical Teachers" who are subject experts and who also have experience teaching the course at the undergraduate level.
	3. These "Distinguished Teachers" are offered financial reward for offering one course on line once every 2 to 3 years. The reward must be substantial to make it prestigious as well as attractive. Suitable funding is also made available to the instructor for engaging TAs for help sessions as well as laboratory exercises.

Guidelines for Using Online Content in Courses at the University

Other Issues

4. AICTE can also recognize industry professionals in the panel of distinguished faculty as they can make these courses more interesting and industry oriented. They could teach jointly with academics appointed as Distinguished Teachers and handle certain components of the course. The Distinguished Teachers will be encouraged to actively invite guest faculty from industry and/or professional associations (e.g., ACM) to give lectures in these courses to make them more interesting and industry oriented.

5. There is a registration procedure for University (not individual students) to register for making this course available to their students. They should also commit to assigning an instructor for coordinating classes including infrastructure, conducting assessments, help in grading etc.

6. University may be asked to pay a reasonable amount as registration charges so that the scheme is self-sustaining.

7. This will be an AICTE scheme for teaching its model curriculum courses by experts. It can be managed by AICTE directly, or it can offer it to another institutions/consortium to manage them. Any platform (e.g., NPTEL) can be used to deliver these courses.

This approach differs from the currently available online courses from NPTEL and other platforms substantially.

1. Syllabus for each course is the approved AICTE syllabus.

2. The courses would be available against a set calendar each semester making it possible for University to rely on them.

3. It empowers the University rather than individual students to make use of the online course in a "mixed" mode and thus addresses the deficiency of expertise in specific areas in that University.

4. With suitable incentive (both prestige and financial) top experts may be motivated to offer these courses.

The Regulations Governing the Academic Bank of Credits

ASSESSMENT AND EVALUATION IN SPECIFIC COURSES [Recommendations of the Joint Board of Studies]

**CIE and SEE
Assessment in
Specific
Courses**

Examination and Evaluation for all the courses shall be done of this Regulations for SEE and CIE. However, for some specific courses, the procedure is made clear in the following sections.

CAED

The CIE marks for CAED course offered in the 1s 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.

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 of the same institute appointed by the Dean.
- (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.

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Engineering Graphics/ Drawing /Field Works	
2) Field Works	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 of the same 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.
Practical Courses	
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. ❖ 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. ❖ Record shall contain all the specified experiments in the syllabus and each experiment write-up be evaluated for 10 marks. ❖ Total marks scored shall be scaled down to 30 marks (60% of maximum marks). ❖ Weightage to be given for neatness and submission of record/write-up on time. ❖ Department shall conduct one test for 100 marks, after the completion of the experiments. ❖ 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. ❖ The suitable split up of marks can be designed to evaluate each student's performance and learning ability. ❖ 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 Dean. 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.

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	Practical Courses
SEE for Practical Work Courses	❖ The SEE marks for the practical courses shall be 50 Marks. ❖ SEE shall be conducted jointly by the two examiners of the same institute appointed by the University. ❖ All laboratory experiments are to be included for practical examination. ❖ 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. ❖ Students shall pick one question (experiment) from the questions pool prepared by the examiners jointly. ❖ Evaluation of write-up/ conduction procedure and result/viva will B.Tech conducted jointly by the examiners. ❖ The split-up of maximum allocated marks for SEE are: (i) procedure/ write-up 20%, (ii) Conduction and result 60%, (iii) Viva-voce 20% ❖ SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks. ❖ 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). ❖ The duration of SEE shall be three hours.
Internship	The Internship shall be taken up during the period specified in the Scheme of Teaching and Examinations. The Department/ University 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 candidates 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.
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.
Viva-Voce	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.

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	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.
Seminar	1) The maximum marks prescribed for the Seminar and the evaluation process shall be notified by the University/ University 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 B.Tech 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) ❖ Formatting of the report (10% of maximum marks) ❖ Literature survey (20% of maximum Marks) and ❖ 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) ❖ Understanding of fundamentals and concepts (15%) ❖ Clarity in answering the questions (10%)
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 B.Tech 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

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Project Work	1) 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. 2) 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. 3) The marks awarded for the Project report shall be the same for all the students of the batch. 4) 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. 5) The faculty guide/ mentor guiding the project shall Evaluate the performance for 50% of the maximum marks of CIE for the report. 6) 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
SEE Assessment in Specific Courses	
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) The question paper will have ten questions. Each question is set for 20 marks. The medium of the question paper shall be ENGLISH unless otherwise it is mentioned. 2) There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module. 3) The students have to answer 5 full questions, selecting one full question from each module. 4) Marks scored will be proportionally scaled down to 50 marks.
Integrated Course (I/c) /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. However, the question paper in the SEE examination shall include at least one question from the Laboratory component.
Theory Course with 1 Credit	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.

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SEE Assessment in Specific Courses

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/ University 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 B.Tech conducted jointly by the examiners. 7) The split-up of maximum allocated marks for SEE are: a) procedure/ write-up 20%, b) Conduction and result in 60%, c) 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 two or three hours.
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 University 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 Dean /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.
Project Work	1) The project work shall be evaluated for 200 marks with CIE of 100 marks and SEE of 100 marks. 2) 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.

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Guidelines and Suggestive Activities under Activity Points

Activity Points to be earned by students admitted to be program (Activity Point Programme, Model Internship Guidelines): Over and above the academic grades, every regular student admitted to the 4 years Degree program and every student entering 4 years Degree program through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through Activity Point Programme. Students transferred from other Universities to the fifth semester are required to earn 50 Activity Points from the year of entry to KU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card. The activities can spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the program. However, the minimum hours' requirement should be fulfilled. Activity Points (non-credit) do not affect SGPA/CGPA and shall not be considered for vertical progression. In case students fail to earn the prescribed activity Points, the Eighth semester Grade Card shall be issued only after earning the required activity Points.

Evaluation Methods Illustrated using L:T:P

Example Cases

Sl No.	LTP	Credit	Credit Hours
1	L-T-P = 3-0-0	3	3
2	L-T-P = 3-0-1	4	5
3	L-T-P = 3-0-2	5	7

Case 1:

L-T-P: 3-0-0

CIE Theory

Internal Assessment	:	30
+		+
Alternate Assessment Tools	:	<u>20</u>
		<u>50</u>

CIE $\geq 40\%$

SEE is $\geq 40\%$

CIE + SEE is $\geq 40\%$

If CIE $\geq 40\%$ then eligible for SEE

CIE + SEE is $\geq 40\%$ for a pass grade

Case 2:

L-T-P: 3-0-1 (3-0-0, 0-0-1 integrated case)

a) CIE Theory

Internal Assessment	:	18
+		+
Alternate Assessment Tools	:	15
		<u>30</u>

If CIE(T) $\geq 40\%$ eligible for SEE

b) CIE Practical

Internal Assessment	:	12
+		+
Assessment	:	<u>08</u>
		<u>20</u>

CIE $\geq 40\%$

SEE is $\geq 40\%$

CIE + SEE is $\geq 40\%$

If CIE Practical $\geq 40\%$ then eligible for SEE

CIE + SEE is $\geq 40\%$ for a pass grade

The Regulations Governing the Academic Bank of Credits

Case 3	L-T-P: 3-0-1 (Not Integrated Case) Theory CIE (T) = A+B = (30+20) = 50 If CIE $\geq 40\%$ then eligible for SEE Lab CIE(L) = A + B = (30+20) = 50 CIE $\geq 40\%$ SEE is $\geq 40\%$ CIE + SEE is $\geq 40\%$ If CIE (L) $\geq 40\%$ then eligible for SEE CIE + SEE $\geq 40\%$ for a Pass
Case 4:	L-T-P: 3-0-2 [Shown as separate Head of passing 3-0-0 and 0-0-2] Theory CIE(T) = A+B = (30+20) =50 If CIE (L) $\geq 40\%$ then eligible for SEE Lab CIE(L) = A+B = (30+20) =50 If CIE (L) $\geq 40\%$ then eligible for SEE CIE + SEE $\geq 40\%$ for a Pass Assessment details (both CIE and SEE) I Para: CIE+SEE = 50% + 50% = 100% = 40% (20/50) + $\geq 35\%$ (18/50) CIE+SEE $\geq 40\%$ (40/100) II Para: CIE (T) = (50) CIE (T) = A+B=(30+20) =50 (25) = >20 + 20 Theory CIE (T) = A+B = (30+20) = 50 If CIE (T) $\geq 40\%$, then eligible for SEE Lab CIE (L) = A+B = (30+20) = 50 CIE $\geq 40\%$ SEE is $\geq 40\%$ CIE + SEE is $\geq 40\%$ If CIE (L) $\geq 40\%$, then eligible for SEE CIE + SEE $\geq 40\%$ for a Pass (P Grade)