



NCERC – B.TECH. REGULATIONS 2024



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(AUTONOMOUS)**

&  Accredited

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

Pampady, Thrissur, Kerala-680 588



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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (NCERC)

Regulations for Bachelor of Technology (Regular), 2024

(COMMON TO ALL B. Tech. DEGREE PROGRAMMES)

These regulations, referred to as the NCERC Academic Regulations for the Bachelor of Technology, 2024, are established in accordance with the provisions of the APJ Abdul Kalam Technological University Act, 2015. These regulations apply to all Bachelor of Technology (Regular) Degree programs and shall be applicable to students admitted from the academic year 2024-2025 onwards. The programme shall be titled "Bachelor of Technology," abbreviated as "B. Tech.", followed by the specific program specialization. These regulations have been approved by the relevant statutory bodies of NCERC.

1. Preamble	
R 1.1	NCERC has the right to modify the regulations from time to time.
R 1.2	These regulations and any amendments thereto, issued from time to time shall be binding on all parties concerned, including students, faculty, staff, and the management of the college.
R 1.3	In all matters related to the regulations, the decision of the Board of Governors (BoG) shall be final and binding.
2. Admission	
R 2.1	Admission policies, eligibility criteria, and procedures for admission shall be determined by NCERC or the relevant statutory authority.
R 2.2	If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by NCERC or the statutory body concerned, the Principal may revoke the admission of the candidate and report the matter to the BoG.
R 2.3	Restriction on Branch Change: No student shall be permitted to change the branch of study to which they were admitted, without prior permission from the competent authority.

3. Structure of B. Tech. Programme											
R 3.1	The duration of the B. Tech. Programme shall be 4 years (8 semesters)										
R 3.2	There are four options for completing a B. Tech. Programme, as outlined below:										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Options for 4-year B. Tech. Programme</th> <th style="width: 50%;">Total Credits Required to Complete the Programme</th> </tr> </thead> <tbody> <tr> <td>“B. Tech.” in an Engineering Major Discipline.</td> <td>176 Credits# [173 Academic Credits (as per R 3.13) + 3 credits from student activities]</td> </tr> <tr> <td>“B. Tech. with Minor” (Minor in any Discipline, other than the Major Discipline)</td> <td>191 Credits [176 Credit (B. Tech.) + 15 Credit for Minor Coursework]</td> </tr> <tr> <td>“B. Tech. with Honours” (Specialization within the Major Discipline).</td> <td>191 Credits [176 Credit (B. Tech.) + 15 Credit for Honours Coursework]</td> </tr> <tr> <td>“B. Tech. with Honours and Minor”</td> <td>206 Credits [176 Credit (B. Tech.) + 15 Credit for Honours Coursework+ 15 Credit for Minor Coursework]</td> </tr> </tbody> </table>	Options for 4-year B. Tech. Programme	Total Credits Required to Complete the Programme	“B. Tech.” in an Engineering Major Discipline.	176 Credits# [173 Academic Credits (as per R 3.13) + 3 credits from student activities]	“B. Tech. with Minor” (Minor in any Discipline, other than the Major Discipline)	191 Credits [176 Credit (B. Tech.) + 15 Credit for Minor Coursework]	“B. Tech. with Honours” (Specialization within the Major Discipline).	191 Credits [176 Credit (B. Tech.) + 15 Credit for Honours Coursework]	“B. Tech. with Honours and Minor”	206 Credits [176 Credit (B. Tech.) + 15 Credit for Honours Coursework+ 15 Credit for Minor Coursework]
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R 3.3	<p>#Credit Relaxation Policy</p> <p>This policy provides flexibility for students facing challenges in completing the full credit requirement while ensuring the core competencies of the B. Tech. programme are met.</p> <ul style="list-style-type: none"> ● Minimum Credits for Graduation: Students who acquire at least 160 credits (157 academic credits + 3 credits from student activities) after the completion of the normal programme duration shall be eligible for the B. Tech. Degree. ● Credit Shortfall Allowance: This policy allows students to graduate even if they are unable to earn credits for courses totalling up to 16 credits. ● Exclusions from Credit Relaxation: The credit relaxation does not apply to Programme Core courses (Theory and Lab Courses), Seminar, mini project, and Project/Internship, which are mandatory and must be completed in full to qualify for graduation. <p>● Credits earned for Minor, Honours, and the additional 2 credits earned for</p>										

	<p>Level 5 courses will not be considered towards the 160-credit minimum requirement.</p> <ul style="list-style-type: none"> ● Impact on CGPA due to un acquired credits: For courses where a student is unable to earn credits under the credit relaxation policy, a grade point of '0' will be assigned. This zero-point value will be factored into the calculation of both the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA), potentially resulting in a reduction of the overall CGPA. <p>Despite a potential reduction in CGPA due to assigned zero-grade points, students who successfully acquire the minimum 160 credits will be eligible for graduation under this regulation, provided they fulfil all other requirements as outlined in R11.</p>
R 3.4	<p>Every academic year shall comprise two semesters: An Odd semester and an Even semester. The odd and even semesters shall have a minimum of 72 working days. One month each after odd and even semesters from second year onwards can be utilised by students for internships/additional skill courses.</p>
R 3.5	<p>Academic Calendar:</p> <p>The dates of major academic activities shall be published in the Academic Calendar. The academic activities in a semester shall normally include the following:</p> <ul style="list-style-type: none"> ● Commencement and completion of the semester ● Semester enrolment dates ● Course selection and mapping dates ● End Semester Examination registration dates ● Schedule of Internal and End Semester examinations ● Date of publishing of attendance and internal marks ● Regular and Supplementary examination dates
R 3.6	<p>Each branch of the B. Tech. Programme shall have a curriculum and syllabi for its courses, approved by the Academic Council.</p>

R 3.7	<p>Curriculum:</p> <p>A curriculum refers to a structured and prescribed list of courses within a programme, organized in a specific format. It outlines the academic pathway for a particular programme and includes courses categorized under various heads, such as Programme Core, Programme Elective, Open Elective etc. This structured approach ensures that students receive a comprehensive education, covering essential courses/subjects while also providing options for specialized study within their chosen field.</p>	
R 3.8	<p>Syllabus: A syllabus is a comprehensive document that outlines the content, and structure of a specific course. It includes essential details such as the course title, course code, course type, and delivery modes—Teaching Hours/Week (L-T-P-R). Additionally, it specifies the credits assigned to the course, Continuous Internal Evaluation (CIE) Marks, End Semester Examination (ESE) Marks, exam duration, and prerequisites. The syllabus also provides the expected course outcomes (CO), CO-Programme Outcome (PO) mapping, suggested textbooks, reference materials, and assessment patterns. This document serves as a guide for both students and instructors, detailing what students will learn and how they will be evaluated.</p>	
R 3.9	<p>The syllabus for any course shall be updated as and when required. Innovative elective courses, open electives, industry-linked electives, and industry-linked minors may be introduced as needed. The syllabus of any course offered in the curriculum can be modified or updated based on technological changes and emerging requirements. All revisions shall be made exclusively on the approval of the Academic Council.</p>	
R 3.10	<ul style="list-style-type: none"> • The academic programs of NCERC adhere to the credit system. • The curriculum for any branch of the B. Tech. Programme shall comprise a total of 176 credits, which includes 173 academic credits and 3 mandatory student activities-based credits. <p>The general credit allocation pattern is as follows:</p>	
	1 Hour of Lecture (L) per week	1 credit
	1 Hour of Tutorial (T) per week	1 credit
	2 Hours of Practical (P) per week	1 credit
	3 to 4 Hours of Practical (P) per week	2 credits

	1 Project Hour(R) included in Project-Based Learning (PBL) per week	1 credit		
R 3.11	Credits shall be awarded for all courses listed in the curriculum. Courses in the curriculum are classified into 1, 2, 3, or 4 credit courses based on the chosen content delivery method and the desired depth of the course. The delivery methods include Theory only, Theory with Tutorial, Theory with Lab/Practice, Theory with Project, Lab only and Massive Open Online Courses (MOOC). The L-T-P-R notation for each course signifies the allocation of hours for content delivery in terms of Lecture (L), Tutorial (T), Practical (P), and Project (R) per week.			
R 3.12	<p>Self-Study Hours (SS): In addition to lecture, tutorial, practical/practice, and project hours, the curriculum includes Self Study Hours. Self-Study Hours refer to the time students are expected to dedicate to independent learning activities outside of scheduled classroom instruction. These activities may include reviewing lecture notes, completing assignments, engaging in further reading, practicing problems, or working on projects without direct guidance from instructors or tutors. The Self Study Hours per week for each course are calculated as:</p> $SS \text{ Hours} = 1.5 L + 0.5 T + 0.5 P + R$ <p>If a foreign university utilizes the European Credit Transfer and Accumulation System (ECTS) or another credit system, appropriate methods shall be employed to convert grades from the host university to align with NCERC's grading scale. To facilitate the smooth transfer of NCERC credits to foreign universities, the curriculum includes provisions for self-study (SS) hours for ECTS calculations.</p>			
R 3.13	Each course within the B. Tech. Programme shall be categorized into one of the ten categories as outlined in the table below.			
	Sl. No.	Category	Code	Breakup of Credits
	1	Humanities and Social Science Courses	HMC	6
	2	Basic Science Courses	BSC	20
	3	Engineering Science Courses	ESC	12
	4	Programme Core Courses	PCC	47
5	Programme Core - Project Based Learning Courses	PBC	16	

	6	Programme Elective Courses	PEC	18
	7	Open Elective Courses/Industry Linked Elective	OEC/ILE	9
	8	Project work, seminar and internship in industry or elsewhere	PWS	18
	9	Health and Wellness	HAW	1
	10	Constitution of India	COI	1
	11	Skill Enhancement Courses	SEC	17
	12	Ability Enhancement Course	AEC	8
	Total Academic Credits			173
	Mandatory Student Activities (MSA)			3
	Total Credits			176
R 3.14	<p>Programme Core Courses (PC) are courses directly relevant to the chosen discipline or branch of study. These core courses must be compulsorily studied by the student to fulfil the requirements of the program and include both theory-only and lab-only courses.</p>			
R 3.15	<p>Project-Based Learning (PBL) is integrated into the curriculum across various disciplines, with specific courses designed to focus on project-based activities. These projects shall align with the course objectives and learning outcomes. Students are required to undertake project(s) related to the course in consultation with the faculty concerned and complete the project(s) within the semester. The maximum number of students in a project group shall normally be limited to six. The curriculum of each programme includes four project-based courses.</p>			
R 3.16	<p>A Programme Elective (PE) course in the B. Tech. curriculum refers to a course that students can select from a specified set of options within their discipline or branch of study. These courses are designed to enable students to tailor their education to their individual interests or career goals, offering an opportunity to delve deeper into specialized areas or broaden their knowledge within the field of Engineering and Technology.</p>			
	<p>Levels and Multilevel Courses in B. Tech. Curriculum:</p> <p>A multilevel course is a structured educational approach where course content is divided into sequential levels; each designed to build upon the knowledge and</p>			

<p>R 3.17</p>	<p>skills acquired in the previous one. This progression ensures a deepening of understanding and expertise in a specific subject or skill set.</p> <p>The concept of multilevel courses is grounded in the philosophy of layered learning, where students are guided through increasingly complex material. This approach solidifies foundational concepts before advancing to more challenging topics, enhancing learning outcomes and preparing students for real-world engineering challenges.</p> <p>As students' progress through these levels, they develop a comprehensive and nuanced understanding of the subject matter, equipping them with the necessary tools to excel in both academic and professional environments.</p>
<p>R 3.18</p>	<p>Under the Programme Electives category, courses are offered at both Level 3 and Level 5.</p> <ul style="list-style-type: none"> ● Level 3 Courses: Focus primarily on the lower three levels of Bloom's taxonomy (Remember, Understand, and Apply). These courses carry 3 credits with three hours of classroom instruction per week. ● Level 5 Courses: Level 5 courses are designed to assess higher-order thinking skills, such as Analyze and Evaluate, in addition to the lower levels. These courses carry 5 credits, with three hours of classroom instruction. Students are also expected to dedicate an extra three hours per week to self-study for these courses which will also include time dedicated for achieving the Analyze and Evaluate levels. ● For Level 5 courses, the lower three levels of Bloom's taxonomy are assessed through the End Semester Examination component, while the higher levels are assessed (in addition to the lower levels) through the Continuous Internal Evaluation component.
<p>R 3.19</p>	<p>Students may choose to enrol in any of the Level 3 or Level 5 courses offered by the Department.</p>
<p>R 3.20</p>	<p>If a student elects to take Level 5 courses, the additional 2 bonus credits earned may be considered towards fulfilling the total 15-credit requirement for the award of an Honours Degree.</p>
<p>R 3.21</p>	<p>A minimum enrolment of 20 students is required to offer a Programme Elective course. However, this requirement does not apply in the case of Level 5 courses.</p>

R 3.22	<p>Open Elective Courses (OE) are designed to broaden a student's knowledge beyond their parent discipline. Students are not permitted to choose open electives offered by their parent department. They may opt for electives offered by other departments. The minimum enrolment required to offer an Open Elective course is 20 students.</p>
R 3.23	<p>Industry Linked Electives (ILE) in the B. Tech. curriculum are courses designed to equip students with practical knowledge and skills that align directly with the needs and demands of the industry or the specific field of engineering they are pursuing. These electives shall be developed in collaboration with, or with input from industry experts and organizations, effectively bridging the gap between academic learning and real-world industrial applications. Students may choose from a range of industry-linked electives to tailor their education to their specific interests and career aspirations.</p>
R 3.24	<p>Students from all branches are eligible to opt for an Industry Linked Elective (ILE). However, they are not permitted to register for ILE courses if there is more than a 30% overlap in syllabus content with the courses they are taking in their Major, Honours, or Minor programmes.</p>
R 3.25	<p>Designing and Approval of Industry Linked Electives:</p> <ul style="list-style-type: none"> ● BOSs are authorized to design the syllabus for Industry Linked Electives (ILE) in collaboration with reputed industries/ Government agencies/organizations, ensuring that the course content aligns with current industry needs and practices. ● The industry will play a pivotal role in designing the course content, delivering the course, and assessing the outcomes. ● BoS shall forward its recommendations to the Academic Council for final review and approval. The course shall only be offered once it has received approval from the Academic Council.
R 3.26	<p>Students are not permitted to change the elective subjects chosen in a semester after completing the exam registration on the KTU Portal.</p> <p>Exception for FE Students:</p> <ul style="list-style-type: none"> ● However, for students with FE status, if the elective subject they had previously registered for is not offered to the junior batch in that institute, the

	candidate is permitted to register for an alternate elective course with the approval of Academic Council.
R 3.27	Skill Enhancement Courses (SEC) is designed to provide students with additional tools and expertise that complement their primary engineering curriculum. The goal of these courses is to make students more well-rounded and better prepared to meet the demands of the professional world.
R 3.28	Basic Science and Engineering Science courses (BSC & ESC) are a compulsory set of courses for all B. Tech. students, encompassing foundational courses in Science and Engineering. These courses are designed to provide a basic knowledge and essential skills that are fundamental to the overall development of engineering students.
R 3.29	Humanities and Social Sciences (HMC) courses offered in the second year and final year allow students to explore areas beyond their core technical education, enriching their managerial competence.
R 3.30	Ability Enhancement Courses (AEC) are offered in all semesters except final year of the B. Tech. curriculum to enhance the student's ability to understand the contemporary issues while applying them to their respective professions.
R 3.31	For Project-Based Learning courses, one project hour per week is included in the curriculum. For the assessment and evaluation of projects, faculty members shall be assigned in a ratio of one faculty member for every twenty students.
R 3.32	The medium of instruction shall be English. All examinations, project/seminar reports and presentations shall be in English.
4. Maximum Duration for Completion of B. Tech. Program	
R 4.1	<ul style="list-style-type: none"> ● If a student has backlog courses remaining after the normal course duration of four years, the student will be permitted an additional grace period of two years to complete all courses and credit requirements specified in the curriculum. ● After this period, the student's registration will be automatically cancelled unless an extension is granted by the university.

5. Academic Mentoring and Student Support.	
R 5.1	<p>Advisory System: Faculty Advisors (FAs) and Mentor (M)</p> <ul style="list-style-type: none"> ● Each class shall be assigned a dedicated FA and multiple Mentors to provide focused guidance to students. ● Each FA shall be responsible for overseeing the academic progress, well-being, and guidance of their assigned class. ● It is mandatory that each class has one designated FA and at least one Mentor to ensure effective student support. ● Faculty from non-engineering departments may also be considered for the role of FA/M. ● Regular communication with the parents of students regarding progress in academic matters and other general issues shall be the responsibility of the FA/M.
R 5.2	<p>The documents concerning all academic and non-academic matters of students under an advisory group shall be maintained under the custody of the FA or M.</p>
R 5.3	<p>Communication Protocol for Student and Parent Requests:</p> <ul style="list-style-type: none"> ● Students and parents are required to initially seek advice, clarifications, and permissions regarding academic matters from their FA/M. ● All requests or applications from students or parents to college or university administrators must first be reviewed and recommended by their FA/M.
R 5.4	<ul style="list-style-type: none"> ● The FA shall organize separate or combined meetings with advisors, course faculty, parents, and students to discuss students' academic progress and provide guidance on academic, non-academic, and personal issues. These advisory meetings must be held immediately after the semester begins and again after the announcement of the first internal examination marks. ● Internal marks, course-wise attendance percentages, and activity points

	<p>shall be uploaded to the College portal only after they have been displayed on the department notice board for at least two working days.</p> <ul style="list-style-type: none"> • Any concerns raised by students regarding internal marks, attendance, or activity points shall be addressed in combined meetings. The HoD/Dean shall ensure that proper resolutions are made. • The FA shall maintain minutes and action taken reports for all meetings. These records must be approved by the HoD and be made available to academic auditors and the Principal upon request.
R 5.5	<p>Maintenance of Student Records:</p> <p>The FA/M shall maintain a hard copy of the consolidated statement of attendance, internal marks, and activity points for the students in their advisory group. These documents must be kept with the Head of Department (HoD) at all times to ensure they are readily available for any inspections.</p>
R 5.6	<p>The FA/M shall ensure that all relevant information is communicated to the students to facilitate the timely completion of all academic activities as per the schedule published by the college and University.</p>
6. Attendance	
R 6.1	<ul style="list-style-type: none"> • Students are expected to attain 100% attendance for all courses. However, under unavoidable circumstances, they are permitted to take leave, provided that the total leave of absence does not exceed 25% of the academic contact hours for a course. • A minimum of 75% attendance is mandatory for registering for the end semester examination.
R 6.2	<p>Female and transgender students are granted a 2% relaxation in attendance requirements for eligibility to register for the end semester examination.</p>
R 6.3	<p>Attendance Requirement Relaxation:</p> <ul style="list-style-type: none"> • In exceptional cases, such as medical reasons, personal emergencies, or other unavoidable circumstances, the principal can relax the minimum attendance requirement to 60% for writing the end semester examination. • This relaxation applies to one or more courses registered in the semester. The principal shall keep all records leading to this decision on attendance for verification by Academic Auditors/University officials.

	<ul style="list-style-type: none"> ● This provision is applicable only to two semesters during the entire program period. ● Students shall pay a fee of Rs. 500 (Five Hundred Only) per course to avail the attendance condonation option.
7. Assessment	
R 7.1	<ul style="list-style-type: none"> ● End Semester Examinations (ESE) shall be conducted every semester for courses as prescribed under the respective curriculum and syllabus. ● A student may choose to take the End Semester Examination (ESE) at the end of the current semester or defer it to the end of the following semester, for any subjects studied during that semester. ● Semester classes must be completed at least ten days before the commencement of the End Semester University written examinations.
R 7.2	Semester End Examinations (SEE) shall be conducted twice a year in accordance with the examination calendar published by the university.
R 7.3	Candidates in each semester shall be evaluated both by Continuous Internal Evaluation (CIE) and End Semester Examinations (ESE).
R 7.4	<p>Continuous Internal Evaluation (CIE): Continuous Internal Evaluation (CIE) shall be conducted based on day-to-day work, periodic tests, assignments, case studies, activities, micro projects, mini projects, quiz etc. The evaluation pattern and weightage for each parameter shall be detailed in the syllabus of each course included in the curriculum.</p> <p>The faculty member(s) assigned to a course shall be responsible for carrying out the Continuous Internal Evaluation (CIE) for that course.</p>
	<p>Internal Written Examinations:</p> <ul style="list-style-type: none"> ● The internal written examinations shall be conducted as specified in the syllabus of each course. ● The duration of the written examination shall be 2 hours and it shall carry a total of 40 marks. ● If there are two written examinations, each test shall cover 50% of the syllabus. ● Retests will be permitted for students who were unable to attend the internal tests due to valid reasons. These retests should be conducted within a week of the original test dates, whenever possible.

	<p>CIE Marks for Attendance:</p> <ul style="list-style-type: none"> ● Full CIE marks for attendance shall be awarded if a candidate has secured 85% attendance or above in the course/subject. ● If a student has attendance below 85% in a course, a proportional reduction in the attendance marks shall be applied. ● Duty leave shall be considered when awarding internal marks for attendance.
R 7.5	<p>Self-Study/Self-Learning Option for Interns (Semester 7 & 8):</p> <ul style="list-style-type: none"> ● Students undertaking internships in Semester 7 or 8 may opt for a self-study/self-learning mode instead of attending regular classes or MOOC courses. ● In such cases, the attendance percentage accrued during the internship period will be considered equivalent to class attendance for all courses. ● All other academic requirements detailed in the course syllabi, such as assignments, micro-projects, and internal examinations, must be completed by these students as per the instructions provided by the course faculty and the Head of Department. ● The seminar component of Semester 7 can be delivered in an online format.
R 7.6	<p>The CIE marks obtained by students for all courses in a semester shall be published at least 5 days before the commencement of the University examinations.</p>
R 7.7	<p>There shall be no option for students to improve their Continuous Internal Evaluation (CIE) marks.</p>
R 7.8	<p>Students registered for a course shall attend the course regularly, complete the Continuous Internal Evaluation (CIE), and, if eligible, appear for the End Semester Examinations (ESE).</p>
R 7.9	<p>To be eligible to attend the End Semester Examination (ESE) for a course, students must fulfil the following criteria:</p> <ol style="list-style-type: none"> 1. Attendance: A minimum attendance of 75% is required for male students. A 2% relaxation of attendance is provided as menstrual leave. 2. Disciplinary Status: Students must have no pending disciplinary actions.
R 7.10	<p>Students who fail to meet the minimum attendance eligibility requirement in a</p>

	course shall be awarded an "FE" (Failed due to Eligibility) grade and will be ineligible to appear for the ESE for that course.
R 7.11	Students awarded an "FE" grade must register for the courses during the normal semesters in which the courses are offered.
R 7.12	<p>"I" Grade and Option to Defer End Semester Examination:</p> <ul style="list-style-type: none"> • Students who have completed a course and registered for the ESE are permitted to opt out of attending the End Semester examination in a given semester. • In such cases, an "I"(Incomplete) Grade will be assigned, provided the student meets the minimum attendance eligibility requirement. • Students who have completed a course and registered for the End Semester Examination but were unable to attend the ESE due to health issues or personal emergencies shall also be marked with an "I" Grade on the semester grade card, provided they meet the minimum attendance eligibility requirement. • These students are required to register for the End Semester examination at the next available opportunity to earn the credits, without the need to re-register for the course. • This next immediate opportunity will be considered as their first attempt at the examination. • If the student does not register for and attend the immediate supplementary examination offered by the university, the "I" Grade will be converted to an "F"(Fail) Grade.
R 7.13	<p>Pass Criteria for Courses:</p> <ul style="list-style-type: none"> • The pass minimum for a course shall be 40% in the End Semester Examination (ESE) and 50% in the combined score of Continuous Internal Evaluation (CIE) and End Semester Examination (ESE). • A letter grade 'F' will be awarded to a student if either their mark in the ESE is below 40% or if the overall mark (CIE + ESE) is below 50%. • For courses that are assessed solely through CIE, the pass minimum shall be 50%. • A student will be eligible for an LP (Low Pass) grade if they secure a minimum of 40% in the End Semester Examination but do not meet the

	<p>minimum combined total of 50% when the Continuous Internal Evaluation and ESE marks are added.</p>
R 7.14	<p>Low Pass (LP) Grade:</p> <ul style="list-style-type: none"> • The "LP" grade is assigned when a student achieves a minimum of 40% in the End Semester Examination but scores below 50% overall (CIE + ESE). • The LP grade will carry a fixed grade point of 4, indicating a lower performance level than the minimum passing grade point required for regular pass grades. • LP grades shall be awarded only for courses that include End Semester Examinations (ESE) conducted by the university. • LP grades shall not be awarded for Minor and Honours courses. • Re-examination Opportunity: Students who receive an LP grade are granted one chance to improve their grade in the immediate subsequent examination.
R 7.15	<p>Awarding of FE Grade for CIE-Only Courses:</p> <p>Students who do not achieve a passing grade in CIE-only courses shall be awarded an "FE" grade instead of an "F" grade.</p>
R 7.16	<ul style="list-style-type: none"> • Students who receive an 'F' grade in an End Semester Examination must appear for the End Semester Examination at the next available opportunity to earn the credits. • They shall not be permitted to re-register for the course.
R 7.17	<p>Grading and Grade Card Information:</p> <ul style="list-style-type: none"> • Grading shall be based on the overall percentage of marks obtained by the student in a course, as outlined in section R 7.19. • The semester grade card will include the grade for each course, along with the Semester Grade Point Average (SGPA) for the semester and the Cumulative Grade Point Average (CGPA).
R 7.18	<p>Credit Earned: The credits for the courses in which a student has obtained a 'LP' (minimum passing grade for a course) grade or higher shall be counted as credits earned by the student.</p>

Grade and Grade Points			
Grades	Grade Point (GP)	% of Total Marks Obtained in the Course	
S	10	90% and above	
A+	9.0	85% and above but less than 90%	
A	8.5	80% and above but less than 85%	
B+	8.0	75% and above but less than 80%	
B	7.5	70% and above but less than 75%	
C +	7.0	65% and above but less than 70%	
C	6.5	60% and above but less than 65%	
D	6.0	55% and above but less than 60%	
P (Pass)	5.5	50% and above but less than 55%	
LP (Low Pass)	4	Min 40% in ESE but below 50% overall (CIE+ESE)	
F (Fail)	0	Below 50% (CIE + ESE) or Below 40 % for ESE. Or Absent in the examination.	
FE (Failed due to Eligibility)	0	Failed due to lack of eligibility criteria.	
I (Incomplete)	0	Assigned to a student who deferred the regular ESE or was absent, but still meets the eligibility criteria.	
Classification of B. Tech. Degree	First Class with Distinction	CGPA 8.0 and above	
	First Class	CGPA 6.5 and above	
	B.Tech. Degree	CGPA of 5 or above	

	Equivalent percentage mark shall be = 10 * CGPA				
R 7.20	Minimum Cumulative Credit Requirements for Registering to Higher Semesters: Students must meet the following minimum cumulative credit requirements to be eligible for registration in higher semesters.				
	Semester	Allotted Credits	Cumulative Credits	Minimum Cumulative Credits required for Regular B. Tech.	Minimum Cumulative Credits required for B. Tech. Lateral Entry.
	First	21	21	Not Applicable	Not Applicable
	Second	22	43	Not Insisted	Not Applicable
	Third	24	67	Not Insisted	Not Applicable
	Fourth	24	91	Not Insisted	Not Insisted
	Fifth	24	115	20 Credits from S1& S2	Not Insisted
	Sixth	23	138	Not Insisted	Not Insisted
	Seventh	20	158	40 Credits from S1, S2, S3 and S4	15 Credits from S3
	Eight	15	173	Not Insisted	Not Insisted
R 7.21	All students are required to register for the prescribed credits in each regular semester unless they are on authorized leave from the institute. Registration for the examination of all courses is compulsory.				
R 7.22	A student who does not register for all the courses listed in the curriculum for a given semester shall not be eligible to enrol in the next higher semester.				
R 7.23	Minimum Attendance Requirement for Semester Advancement: Students will not be permitted to register for the next higher semester if they do				

	not achieve at least 40% course-wise attendance for the current semester.
R 7.24	Grade Improvement and Answer Book Review: There is no provision for improving grades after the End Semester Examination.
8. Challenge Courses	
<p>Challenge courses, also referred to as "Challenge exams" or "Credit by Examination courses," are an integral component of the B. Tech. 2024 curriculum, designed to offer students the opportunity to demonstrate their knowledge and competency in specific subjects without undergoing the conventional Continuous Internal Assessment process. This approach is aligned with the principles of "Recognition of Prior Learning" (RPL) or "Prior Learning Assessment and Recognition" (PLAR), which acknowledge the skills, knowledge, and experiences individuals have gained outside formal educational settings.</p>	
R 8.1	<p>The courses eligible for Challenge courses shall be clearly specified in the curriculum.</p> <p>Students may choose to attempt Challenge courses listed in higher semesters during a lower semester, in accordance with the table provided in the curriculum.</p>
R 8.2	<p>Exemption from Continuous Internal Evaluation:</p> <p>Students registered for a Challenge exam are exempted from Continuous Internal Evaluation and will be assessed solely through the End Semester Examination.</p>
R 8.3	<p>If a student opts to attempt a Challenge course from a lower semester, they must appear for the ESE scheduled by the College for that subject and secure a minimum grade of 'C' to pass and earn the credit specified for that course.</p>
R 8.4	<p>Students can register for the eligible Challenge courses published by NCERC in specific semesters.</p>
R 8.5	<p>Students who fail to achieve the minimum passing grade or do not attend the exams on the scheduled date will not be allowed to re-take the Challenge exam for that course. However, they may register for the remaining unattended courses listed in the Challenge course table.</p>
R 8.6	<p>Students who fail the Challenge examinations are permitted to register for the failed courses in regular semesters along with other students.</p>

R 8.7	Credits earned for challenge courses shall not be considered for calculating the SGPA/CGPA.
R 8.8	Grace Marks shall not be awarded for challenge courses.

Sl. No.	Semester	Course Type	Course Title (Course Name)	Credits	Preceding Semester from where the Challenge courses can be taken
1	S2	BSC	Engineering Mathematics-2	3	S1
2	S2	BSC	Engineering Physics	4	S1
			Engineering Chemistry		
3	S2	SEC	Programming in C	4	S1
4	S3	BSC	Branch Specific Mathematics-3	3	S2
5	S4	BSC	Branch Specific Mathematics-4	3	S3
6	S7	OE/ILE	OE	3	S5/S6
7	S7	HMC	Management for Engineers	2	S4/S5/S6
8	S8	OE/ILE	OE	3	S5/S6/S7
9	S8	HMC	Organizational Behaviour and Business Communication	1	S4/S5/S6/S7

9. Calculation of SGPA/CGPA

R 9.1	<ul style="list-style-type: none"> • Semester Grade Point Average (SGPA) is a weighted sum of the associated numeric points earned by the student for each course registered in a particular semester with weights being the credit of the course. • Cumulative Grade Point Average (CGPA) is the weighted sum of all courses in the program. The academic performance of a student is typically indicated by SGPA and CGPA. • The Cumulative Grade Point Average (CGPA), which indicates the overall performance of a student from the time he/she joined the University to a specific semester, is obtained by calculating the weighted average of the grade points, obtained in all the courses registered by the student since the first semester. <p>SGPA and CGPA are calculated as follows:</p> $SGPA = \frac{\sum (C_i \times GP_i)}{\sum C_i}$ <ul style="list-style-type: none"> • where 'C_i' is the credit assigned for a course and 'GP_i' is the grade point
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	<p>for that course.</p> <ul style="list-style-type: none"> Summation is done for all courses specified in the curriculum of that semester. The calculation shall include F, FE and I grade courses. $CGPA = \frac{\sum (C_i \times GP_i)}{\sum C_i}$ <ul style="list-style-type: none"> where 'C_i' is the credit assigned for a course and 'GP_i' is the grade point for that course. Summation is done for all courses specified in the curriculum up to the semester for which the CGPA is needed. The calculation shall include F, FE and I grade courses.
R 9.2	<p>CGPA Calculation for Students Admitted under the Lateral Entry Scheme:</p> <ul style="list-style-type: none"> For students admitted under the lateral entry scheme, credits for the first and second semester courses shall not be included in the calculation of CGPA. The Consolidated Grade Card and Official Transcript for B. Tech. lateral entry students shall include the statement: "A total of 43 credits have been awarded based on the credits earned from the qualifying Diploma/Degree Programme, bringing the total credits to 176."
R 9.3	<ul style="list-style-type: none"> SGPA and CGPA shall be calculated to two decimal places. Courses pursued towards a 'Minor' or 'Honours' specialization shall not be factored into the calculation of SGPA or CGPA for the main B. Tech. programme
10. Activity Credits Requirement for B. Tech. Students	
R 10.1	<ul style="list-style-type: none"> A student must earn 3 credits by actively participating in co-curricular and extra-curricular activities, in accordance with the guidelines issued by the Academic Council from time to time. The required activity points must be earned from 3 designated groups, as specified in the B. Tech. curriculum. Regular B. Tech. students are required to acquire a minimum of 120 activity points, with at least 40 points earned from each specified group, to fulfil the curriculum requirement of 3 activity credits. B. Tech. lateral entry students are required to acquire a minimum of 90 activity points, with at least 30 points earned from each designated group, to obtain the 3 activity credits mandated by the curriculum.

	<ul style="list-style-type: none"> Students are required to maintain a file containing documentary proof of the activities they have participated in, attested by the Senior Faculty Advisor or Faculty Advisor.
11. Eligibility for B. Tech. Degree	
R 11.1	<p>A student shall be eligible for the award of a B. Tech. Degree from the University upon satisfying the following requirements:</p> <ol style="list-style-type: none"> Fulfilled all the curriculum requirements within the stipulated duration of the course. Must have a minimum CGPA of 5.0 and have earned the required number of credits as specified in the UG curriculum for which the student is registered. No pending disciplinary actions. Paid all dues to the College.
R 11.2	<p>CGPA Improvement for Degree Completion:</p> <p>A student who has earned the minimum credits required for a B. Tech. degree but has not attained the specified minimum CGPA of 5.0 shall be allowed to register for additional courses to improve their CGPA. This opportunity is available until the student achieves the minimum CGPA of 5.0, provided that it is within the maximum duration specified for the B. Tech. program.</p>
12. Break of Study	
R 12.1	<p>A student is permitted to avail break of study under the following circumstances:</p> <ol style="list-style-type: none"> Medical Reasons: <ul style="list-style-type: none"> In case of an accident or serious illness requiring prolonged hospitalization and rest. The student must submit all necessary medical reports, along with the recommendation of the treating doctor, clearly stating the reasons for the break of study and its duration. Before re-joining, the student must provide a fitness certificate from the treating doctor.

	<p>ii. Start-up Venture or Product Development:</p> <ul style="list-style-type: none"> • If the student has a viable idea for a start-up venture or product development. • The student must submit a project report to the HOD, detailing the purpose, action plan, technical details, funding details, and future plans. • The HOD shall evaluate the proposal by forming an expert team consisting of a technocrat and a bank executive and make a decision based on the team's recommendations. • Break of study for a start-up is allowed only after the 4th semester. • The HOD shall upload the student's request and relevant documents to the NCERC portal for approval, along with his/her recommendations.
R 12.2	The minimum duration of the break of study is 1 year.
R 12.3	The break of study is permitted for a maximum duration of one two years.
R 12.4	Once the examination eligibility details for a semester have been entered on the NCERC portal, break of study for a student in that semester cannot be permitted.
R 12.5	<p>During the break of study period, students are required to adhere to the following guidelines:</p> <ul style="list-style-type: none"> • Students are not permitted to attend any regular classes offered by the institution during the break of study period. • Students are also not permitted to represent the institution or University in any technical or non-technical events during the break of study period. • Students are not allowed to participate in any institute-level activities or events held on campus during their break of study. • Students on a break of study are not permitted to reside in the institution's hostel facilities during the break period. • Students on a break of study are not eligible to register for courses in which they have previously received an 'FE' grade.
R 12.6	<p>Examination Eligibility:</p> <p>Students are eligible to register and appear for the End Semester Final Examination for courses in which they have received an 'F' or 'I' grade.</p>
R 12.7	If a student is ineligible to register for a semester due to lack of academic eligibility or is debarred/suspended for disciplinary reasons, it will not be considered as a break of study.

R 12.8	<p>Classification of Student Status Post-Break of Study:</p> <p>If a student does not re-join the institution after the permitted break of study duration and fails to communicate their status, they will be treated as being under "Uninformed Long Absence".</p>
13. Uninformed Long Absence	
R 13.1	A student shall be classified under 'Uninformed Long Absence' if they are continuously absent from classes or other academic obligations for 15 working days without submitting a written notification to the principal.
R 13.2	<ul style="list-style-type: none"> ● The principal shall send an official communication to the student, parent, or guardian within 10 working days from the start of the uninformed absence, directing the student to immediately resume attendance. ● This communication should be delivered via registered letter and email. ● Non-compliance shall lead to the student's removal from the student roll, and the University shall be notified of this action.
R 13.3	The Principal's proof of 'Uninformed Long Absence' must include the official communication sent to the student, parent, or guardian directing the student to attend classes immediately, and a letter certifying that the student failed to attend classes despite the notice within the specified time (15 working days). These documents shall be uploaded to the university portal by the Principal when marking a student as having an 'Uninformed Long Absence'.
R 13.4	Students designated as being in uninformed long absence shall not be eligible for promotion to the next semester alongside their peers.
R 13.5	Students shall be permitted to re-join within a maximum period of one year following their marked 'Uninformed Long Absence'
14. Minor in Engineering.	
<p>The B. Tech. (Minor) is an enhanced version of the Bachelor of Technology degree, allowing students to pursue additional courses in a discipline outside of their primary field of study. This option provides an opportunity for students to gain expertise in a secondary area, thereby broadening their knowledge base and enhancing their qualifications in multidisciplinary fields. By completing the minor, students can diversify their skill set and open up additional career paths that require a broader understanding of multiple disciplines.</p>	

R 14.1	Minors can be offered in specialized areas, on a branch-wise basis, or as Industry-Linked Minors(ILM). Minors in specialized areas and industry-linked minors can be offered by a single department or in collaboration with two or more departments. Curriculum and the syllabus of the minors shall be approved by the Board of studies and the Academic Council.
R 14.2	All B. Tech. students shall be eligible to register for Minor in Engineering. Registration for a Minor is permitted at the beginning of the third semester.
R 14.3	The student shall earn additional 15 credits to be eligible for the award of B. Tech. Degree with Minor. The additional credits earned for B. Tech. Minor courses shall not be considered for calculating the SGPA/CGPA.
R 14.4	If a specified course required for the Minor cannot be completed during the normal program duration of 4 years, the Minor will not be awarded.
R 14.5	Students enrolled in the B. Tech. Minor program are not allowed any supplementary examination for any course chosen within the Minor.
R 14.6	If a student fails any course in the Minor program, they will be deemed ineligible to continue in the B. Tech. Minor program. Credits and grades earned up to the point of ineligibility will be reflected on the student's grade card; however, these additional credits will not be included in the calculation of the student's CGPA.
R 14.7	Students are generally not allowed to register for minors offered by their parent branches. Additionally, students are prohibited from opting for minor courses if there is more than 30% syllabus content overlap between courses listed in the major and minor programs. The Board of Studies shall publish the details of branches of students eligible to opt for a minor course offered by a department or departments.
R 14.8	<p>In exceptional cases, students may select a minor offered by their parent department if both of the following conditions are met:</p> <ul style="list-style-type: none"> • The course nomenclature differs significantly from the courses in their Major and Honours programs. • There must be at least a 70% difference in syllabus content compared to the courses they are taking in their Major and Honours programs.

R 14.9	The Board of Studies shall publish the details of branches of students eligible to opt for a minor course offered by a department or departments.
R 14.10	The institutions offering B. Tech. Minor programs shall not charge any additional fee from the students.
R 14.11	Grace Marks shall not be awarded for Minor courses.
R 14.12	Upon completion of the program, students will be awarded a degree stating, “Bachelor of Technology in [Major] with Minor in [Minor].” The consolidated grade card will reflect this information, including a list of the courses taken for the Minor.
15. B. Tech. (Honours)	
The B. Tech. (Honours) is an enhanced version of the Bachelor of Technology degree, offering students the opportunity to undertake additional courses within their own discipline. This pathway allows students to deepen their knowledge in emerging or advanced areas of engineering relevant to their field of study, providing a stronger foundation for specialized career paths or further academic pursuits.	
R 15.1	All B. Tech. students are eligible to register for B. Tech. (Honours). However, to qualify for the award of B. Tech. (Honours), students must achieve a CGPA of 8 or higher at the end of the eighth semester and meet the specific academic requirements outlined in R 15.9.
R 15.2	The B. Tech. (Honours) registration shall be along with the registration of the 3rd ^h semester.
R 15.3	The student shall earn additional 15 credits to be eligible for the award of B. Tech. (Honours) Degree. The additional credits earned for B. Tech. Honours courses shall not be considered for calculating the SGPA/CGPA.
R 15.4	Out of the 15 credits required for an Honours degree, 4 credits must be earned by completing the first course listed in the Honours curriculum. The remaining 11 credits can be acquired by: <ul style="list-style-type: none"> ● Completing MOOCs recommended by the Board of Studies and approved by the Academic Council, or ● Completing additional courses listed in the Honours curriculum, or ● A combination of MOOCs and additional courses listed in the Honours

	<p>curriculum, or</p> <ul style="list-style-type: none"> • Additional credits (2 credits per Level 5 course) acquired by successfully completing Level 5 elective courses listed in the elective baskets from semester 4 to semester 8, or • A combination of MOOCs, additional courses listed in the Honours curriculum and additional credits (2 credits per Level 5 course) acquired by successfully completing Level 5 elective courses listed in the elective baskets from semester 4 to semester 8.
R 15.5	<p>If a student fails in any course, including the course chosen for B. Tech. (Honours), he/she shall not be eligible to continue the B. Tech. (Honours). However, the additional credits thus far earned by the student shall be included in the grade card.</p>
R 15.6	<p>The institutions offering B. Tech. Honours programs shall not charge any additional fee from the students.</p>
R 15.7	<p>Grace Marks shall not be awarded for Honours courses.</p>
R 15.8	<p>There will not be any supplementary examination for the courses chosen for Honours.</p>
R 15.9	<p>The "Bachelor of Technology (Honours) in xxx" will be conferred upon students who achieve a CGPA of 8 or higher at the end of the eighth semester, have no record of 'T', 'F', 'LP' or 'FE' grades, and earn a grade of 'C' or above in the Honours course offered in the third semester. This information, along with the list of Honours courses taken, will be detailed on the consolidated grade card.</p>
R 15.10	<p>A student who successfully completes the eligibility requirements for both the Honours and Minor programs will be awarded a degree stating, "Bachelor of Technology (Honours) in [Major] with Minor in [Minor]."</p>
16. MOOC Courses	
R 16.1	<p>The MOOC course shall be considered valid only if it is conducted by agencies such as AICTE, NPTEL, SWAYAM, NITTTR, or other agencies approved by the academic council of NCERC.</p>
R 16.2	<p>Completion of Honours and Minor MOOC Courses within Normal Program Duration:</p>

	<ul style="list-style-type: none"> • Students must complete the MOOC courses required for Honours and Minor degrees within the normal duration of the program. • Any MOOC courses completed or passed by the student after the normal program duration will not be considered for the award of Honours or Minor degrees.
17. Grace Marks for Sports /Arts Competitions.	
R 17.1	Only bona-fide, regular candidates are eligible for the award of Grace Marks.
R 17.2	The criterion for the award of Grace Marks is representing the University/state/country in officially sponsored national level competitions/championships/tournaments with prior official permission from the College.
R 17.3	Grace marks shall be awarded only for courses in which the College conducts Semester End written examinations.
R 17.4	<p>Grace marks of 10% or 5% will be awarded for each course in which the College Conducts Semester End written examinations. However, the final mark, after adding grace marks, must not exceed the maximum allowable SEE mark for that course.</p> <p>If a candidate does not achieve the minimum required passing marks after applying the grace marks, additional moderation, as determined by the respective board, may be granted to achieve a pass.</p>
R 17.5	Eligible Grace Marks shall be awarded for the regular examination of the performing semester based on performance, with the semester periods defined as 1 st July to 31 st December (Odd Semester) and 1 st January to 30 th June (Even Semester).
R 17.6	Grace Marks shall not be re – distributed from one semester to another semester.
R 17.7	Grace Marks shall not be awarded for supplementary examinations, Honours, or Minor courses.
R 17.8	The request for Grace Marks shall be submitted to the Controller of Examinations through the HOD along with all relevant documents, within the timeframe prescribed by the College. Any requests received beyond this timeframe shall not be considered under any circumstances.

R 17.9	Only the single highest achievement during the semester period shall be eligible for the award of grace marks.
18. Grace Marks for Persons with Disability (PWD)	
R 18.1	A person with a disability is defined as someone suffering from not less than 40% disability as certified by the Taluk Head Quarters Hospital, District Hospital, and Standing Disability Assessment Board. To be eligible for the grace marks, the certificate of disability specifying the percentage of disability shall be produced before the principal at the time of admission.
R 18.2	RPDW Act, 2016: The Rights of Persons with Disabilities Act, 2016, and its provisions, including the implementation of Unique Disability Identity (UDID) Cards, shall be fully integrated and adhered to in the B. Tech. 2024 regulations.
R 18.3	The Grace Marks that can be awarded for PWD candidates shall be 25% of the marks scored by the candidate in each course at the time of finalization of the results.
R 18.4	Transfer of marks from one paper to another shall not be permitted. Fractions of marks if any, while computing the Grace Marks shall be rounded off to the next higher integer.
R 18.5	PWD candidates who are eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.
R 18.6	Grace marks shall be awarded only for courses in which the College conducts Semester End written and practical examinations.
R 18.7	Grace Marks shall be awarded to enable differently abled candidates to obtain the minimum marks required for a pass in courses for which the College does not normally conduct End Semester Examinations. However, the maximum grace marks awarded in this case shall not exceed 25% of the marks scored by the candidate in each course.
R 18.8	The request for Grace Marks shall be submitted to the Controller of Examinations

	through the HOD along with all relevant documents, within the time limit prescribed by the College. The request for Grace Marks received after the time limit shall not be entertained on any account.
19. Inter College Transfer	
R 19.1	<ul style="list-style-type: none"> ● Transfers to and from autonomous colleges shall be treated as inter-university transfers. ● However, if students, both before and after the inter-college transfer, follow the same curriculum of APJAKTU, there shall be no need to identify transitory courses. ● Additionally, students transferring to or from autonomous colleges will be exempted from paying the Migration Fee and processing fee that are typically applicable to students migrating from other universities.
R 19.2	<p>Timeline for Inter-College Transfer Process:</p> <p>All inter-college transfer processes shall be completed within 30 working days from the date of commencement of semester classes.</p>
20. Internships at NCERC	
R 20.1	<p>Students at NCERC are permitted to undertake two types of internships:</p> <ol style="list-style-type: none"> 1. Short-Term Internships 2. Long-Term Internships.
R 20.2	<p>Short-Term Internships:</p> <ul style="list-style-type: none"> ● Students are allowed to pursue short-term internships after the completion of their Third Semester Examination. ● The period for a Short-Term Internship shall be at least 4 weeks but not exceed 8 weeks (4 to 8 weeks).
R 20.3	<p>Long-Term Internships:</p> <ul style="list-style-type: none"> ● Students can opt for the Long-Term Internship either in the 7th or 8th

	<p>semester.</p> <ul style="list-style-type: none"> • The internship period for a Long-Term Internship should last a minimum of 4 months but not exceed 6 months (4 to 6 months).
R 20.4	<p>Internship Guidelines and Eligibility Conditions:</p> <ul style="list-style-type: none"> • The detailed guidelines and eligibility conditions for internships, including both short-term and long-term options, shall be published separately by the College. • These guidelines may be modified by the College as needed to ensure they remain relevant and effective.
R 20.5	<p>Students must not have any pending disciplinary action to be eligible for both short-term and long-term internships.</p>
21. Academic Auditing	
R 21.1	<p>Academic auditing shall be conducted at specified intervals, by the Internal Quality Assurance Cell (IQAC). The IQAC shall monitor all academic activities, including internal evaluations and examinations, and prepare semester-wise academic audit statements in formats prescribed by the College at regular intervals. These statements shall be presented to external department academic auditors for independent review. Subsequently, the external auditor(s) shall submit the final audit report to the Principal following prescribed procedures.</p> <p>The academic auditing process shall cover:</p> <ol style="list-style-type: none"> i. Evaluation of course delivery, adherence to course plans, syllabus coverage, quality of internal examination question papers, internal evaluation methods, maintenance of laboratory setups and equipment, assignments, mini-projects, main projects, and practical classes. ii. Assessment of evaluation documents for Project-Based Learning (PBL), Level-5 courses, and Industry-Linked Elective (ILE) courses, if any. iii. Admission Percentage, Pass Percentage, Placement Statistics, Student-Faculty Ratio (SFR), Faculty Qualification Index. iv. Monitoring and assessment of co-curricular and extra-curricular activities available to students, including mechanisms for earning activity points. v. Evaluation of academic operations, including punctuality, attendance,

	<p>discipline, academic environment, learning ecosystem, academic accountability, achievements, and benchmarking for students, faculty, and administrative staff.</p> <p>vi. Adherence to quality criteria set by NBA/NAAC standards</p>
22. Industrial Visit	
R 22.1	<p>Industrial Visit and Industrial Training:</p> <p>1. Industrial Visit :</p> <ul style="list-style-type: none"> • Industrial visits are permitted either in the fifth semester (S5) or in the sixth semester (S6). • A maximum of 12 days are allowed with no more than 6 working days included in this period. <p>2. Industrial Training:</p> <ul style="list-style-type: none"> • Students who do not participate in the industrial visit must attend industrial training during the same period. <p>Attendance:</p> <ul style="list-style-type: none"> • The period of industrial visit or industrial training (maximum of 6 days) shall be considered for granting attendance to the students.
23. Transitory provision.	
R 23.1	<p>Notwithstanding anything contained in the above regulations, if there are reasonable grounds for the College to believe that there is an emergency which requires immediate action to be taken, or if any action is required to be taken in the interest of the College or in the interest of the welfare of the students, the BOG of the College shall take such action.</p>