



SAHRDAYA **AUTONOMOUS**
COLLEGE OF ENGINEERING & TECHNOLOGY

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY | MANAGED BY IRINJALAKUDA DIOCESAN EDUCATION TRUST

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University | Accredited by:



B.Tech Academic Regulations 2024

(SHR/AC/Auto/Acad. Council/B.Tech/1/Reg 2024)

Approved by Academic Council on 31/08/2024

INDEX		
	Contents	Clause
1	Preamble	24R1.1 to 24R1.7
	Nomenclature of the programs	24R1.7
2	Admission	24R2.1 to 24R2.4
3	Structure of B.Tech. program	24R3.1 to 24R3.13
	Course Credit	24R3.5 to 3.6
	Course categories based on content delivery	24R3.7
	Nature of Courses	24R3.8
	Course Code	24R3.9
	Professional Core Course (PCC)	24R3.9.1
	Project Based Learning (PBL)	24R3.9.2
	Professional Elective Courses (PEC)	24R3.9.3
	Micro Specialization	24R3.9.3.1 to 24R3.9.3.4
	Open Elective Courses (OEC)	24R3.9.4
	Industry Elective Courses (IEC)	24R3.9.5
	Higher Credit Elective	24R3.9.6
	Mini Project	24R3.9.7
	Project	24R3.9.8
	Internship	24R3.9.9
	Start-Ups	24R3.9.10
Medium of Instruction	24R3.11	
MOOCs	24R3.12 to 24R3.12.6	

	Skill Enhancement Courses (SEC)	24R3.14
4	Course Registration and Enrollment	24R4.1 to 24R4.3
5	Structure of a Course and Syllabus	24R5.1 to 24R5.4
	Structure of Course Code	24R5.4
6	Academic Monitoring and Student Support.	24R6.1 to 24R6.11
7	Academic Auditing	24R7.1
8	Assessment	24R8.1 to 24R8.24
	CIA Mark Distribution	24R8.2.1
	Evaluation Type, CIA & ESE Mark Distribution	24R8.2.2
	Assessment for Project, Seminar, Mini Project	24R8.2.3
	ESE Pattern	24R8.2.4
	Pass Minimum Condition	24R8.11
	Grading	24R8.13 & 24R8.13.1
	Revaluation	24R8.14
	Summer Classes	24R8.19
	SGPA/CGPA Calculation	24R8.20
	Eligibility to continue	24R8.21
	Re-admission	24R8.22
	Activity Points	24R8.23
Malpractices in Examination	24R8.24	
9	Break of Study	24R9.1
10	Attendance	24R10.1 to 24R10.4
11	Inter College Transfer	24R11.1
12	Migration from other Universities	24R12.1

13	Minor in Engineering	24R13.1 to 24R13.8
14	B. Tech (Honors)	24R14.1 to 24R14.8
15	Grace Marks for Sports /Arts Competitions	24R15.1 to 24R15.15
16	Grace Marks for Persons with Disability (PWD)	24R16.1 to 24R16.6
17	Grace Marks for Paper publication	24R17.1
18	Degree Certificate & Provisional Certificate	24R18.1 to 24R18.2
	Award of Degree	24R18.1
	Provisional Degree Certificate & Consolidated Semester grade card	24R18.2
19	Transcript	24R19.1
20	Transitory Provision.	24R20.1
	Annexure-1	The rule for assigning Activity point



EDUCATION IS DEDICATION

Preface

Sahrdaya College of Engineering and Technology is delighted to present its updated undergraduate curriculum for the year 2024. This curriculum is designed to provide a comprehensive and rigorous education in engineering and technology, aiming to equip students with 21st century skills such as creativity, problem-solving, critical thinking, and emotional intelligence. By integrating advanced knowledge and practical applications, the curriculum seeks to meet future challenges by harmonizing human, material, and environmental aspects.

The curriculum emphasizes a pragmatic approach to learning, exposing students to theoretical and practical engineering aspects. This is achieved through various categories of courses, including project-based courses, core courses with and without practical components, laboratory courses, projects, and seminars. These courses are student-centric, ensuring a well-rounded education that allows students to customize their learning experiences according to their interests and career goals.

A significant highlight of the new curriculum is the introduction of Skill Enhancement Courses (SEC). These courses, integral to the academic curriculum from Semester 1 to Semester 5, are designed to provide students with industry-relevant certifications from reputed organizations. By certifying students' skill sets, these courses enhance their employability, ensuring they are well-prepared for the job market demands.

The curriculum includes foreign language courses to broaden students' perspectives further and enhance their global readiness. These courses promote cross-cultural communication skills and international collaboration, preparing students for opportunities in a globalized world. Additionally, the curriculum offers the opportunity for micro-specializations. This allows students to gain expertise in specific sub-areas within their discipline by completing thematic courses, deepening their knowledge and enhancing their employability in niche areas.

Industry Elective Courses, offered jointly with industry partners, ensure the curriculum remains relevant and practically applicable. The academic department and industry partners collaboratively develop and assess these courses, focusing on continuous and practical learning experiences without end-semester examinations. This collaboration ensures students are exposed to the latest industry practices and technologies.

Recognizing the importance of entrepreneurship, the curriculum allows students to

pursue startups instead of traditional internships or major projects. Students can choose to develop product-based startups over two semesters or service-based startups in a single semester under the guidance of faculty and industry mentors. This approach fosters innovation, creativity, and entrepreneurial skills, preparing students for the dynamic business environment.

Courses embedded with practicals and projects are a key curriculum feature, ensuring that theoretical learning is continuously reinforced with hands-on applications. This approach fosters a deeper understanding of concepts and their practical implications. Moreover, including internships allows students to gain valuable industry exposure and practical experience, bridging the gap between academic learning and professional application. Students can undertake at least four to six months of internship in a recognized industry, research organization, or prestigious institution relevant to their field, enhancing their employability.

The curriculum also integrates opportunities for community work, promoting civic responsibility and leadership skills. Socially relevant projects allow students to contribute meaningfully to society, fostering a social and environmental outlook. Universal Human Value courses are also introduced to cultivate a holistic understanding of life. These courses enhance physical and mental well-being, social skills, and life skills, addressing various dimensions of life, including individual, family, society, and the environment, promoting a healthy and harmonious lifestyle.

In addition to academic credits, students must earn activity points through participation in extracurricular activities such as sports, cultural events, community service, and entrepreneurship. This holistic approach ensures the development of leadership, teamwork, and communication skills, preparing students for global challenges. For the award of the B.Tech degree, students must acquire 168 learning credits and an additional two credits from activity points within the stipulated time duration. This comprehensive curriculum is designed to produce competent engineers capable of addressing complex problems and contributing positively to society.

The rules and regulations stated herein shall be called the **Sahrdaya College of Engineering and Technology academic regulations for the B.Tech program, 2024.**

As given in this document, these regulations apply to students admitted to B.Tech programs of Sahrdaya College of Engineering and Technology from 2024 admission

onwards. The Academic Council of Sahrdaya College of Engineering and Technology shall approve the curriculum of the programs under this regulation.



1. Preamble	
24R1.1	These regulations apply to all B.Tech (Regular) Degree programs conducted at Sahrdaya College of Engineering and Technology, Kodakara, affiliated with APJAKTU, starting from the Academic Year 2024-25 onwards.
24R1.2	The provisions contained in these regulations shall govern the policies and procedures concerning: <ul style="list-style-type: none"> • Admission and registration of students • Imparting instructions of courses • Conduct of examinations • Evaluation • Certification of student performance leading to the award of B.Tech Degree(s)
24R1.3	These regulations and all amendments shall be binding on all students undergoing the said B. Tech Degree program(s) at the college from the Academic Year 2024-25 onwards.
24R1.4	These regulations, as amended from time to time, shall be binding on all parties concerned, including students, faculty, and staff of the college.
24R1.5	The college reserves the right to modify the regulations from time to time.
24R1.6	In all matters related to the regulations, the decision of the college and its interpretation given by the Academic Council shall be final and binding.
24R1.7	<p>Nomenclature of the programs:</p> <p>The college uses the nomenclature for the Degree programs specified by the Affiliated University. The Degree Certificates issued by the University to their awardees bear the name of the college as well. Therefore, the following nomenclatures and their abbreviations shall continue to be used for the Degree programs offered by the college:</p> <p>UG Level:</p> <ol style="list-style-type: none"> 1. Bachelor of Technology (B.Tech) 2. B.Tech (Honors) 3. B.Tech with Minor Specialization <p>Micro Specializations shall be added to the certificate wherever applicable.</p>
2. Admission	
24R2.1	The university or the competent statutory authority for admissions shall decide on admission policy, eligibility, and procedures from time to time.
24R2.2	If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the University or the statutory body concerned, the Principal may revoke the admission of the candidate and report the matter to the Academic Council of the College/University.

24R2.3	No student shall be permitted to change the branch/stream to which the competent authority for admission admits him/her under any circumstances.												
24R2.4	A student admitted to this institute shall continue studying until the completion of the course unless he/she is permitted an inter-college transfer as per 24R11.1 .												
3. Structure of B.Tech Program													
24R3.1	The duration of the B.Tech. program shall be four years (8 semesters)												
24R3.2	The maximum duration shall be six academic years spanning 12 semesters.												
24R3.3	Every academic year has two semesters: "1 st July to 31 st December (Odd semester)" and "1 st January to 30 th June (Even semester)." Each semester has a minimum of 72 working days.												
24R3.4	The Academic Council must approve the curriculum and syllabi for each branch of the B.Tech Program. The syllabus for any course shall be normally modified/ updated based on the arising requirement. However, innovative elective courses can be included as and when required, according to the recommendations of the respective Board of Studies, and are subject to the approval of the Academic Council. All revisions shall be based only on the recommendations of the Board of Studies concerned.												
24R3.5	<p>Course Credit: The academic programs of the Institute follow the credit system. The general pattern is as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Classification</th> <th style="text-align: center;">Credit assigned</th> </tr> </thead> <tbody> <tr> <td>1 Hour Lecture [L] per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td>1 Hour Tutorial [T] per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td>1 Hour Project [R] per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td>1-2 Hours Practical [P] per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td>3-4 Hours Practical [P] per week</td> <td style="text-align: center;">2 Credit</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • <i>For internship/Start-Up/Main project, the credit weightage for equivalent hours is 50% of that for lectures/tutorials</i> 	Classification	Credit assigned	1 Hour Lecture [L] per week	1 Credit	1 Hour Tutorial [T] per week	1 Credit	1 Hour Project [R] per week	1 Credit	1-2 Hours Practical [P] per week	1 Credit	3-4 Hours Practical [P] per week	2 Credit
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24R3.6	<p>The curriculum of any branch of the B.Tech program shall consist of 168 academic/ learning credits and 2 additional activity point-based credits.</p> <p>Course categories based on content delivery: Courses in the curriculum are categorized into 1/2/3/4 credit courses based on the chosen content</p>												

delivery method and the desired depth of the course. The delivery methods include Theory- only, Theory with tutorial, Theory with practical, Theory with project, etc. 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 and the total instructional delivery indicated as Credits (C).

$$C = L + T + [P/2] + R$$

Apart from lectures, tutorials, practical/practice and project hours, the curriculum offers Self-learning hours (S) that indicate the number of hours students are expected to spend for activities that should be completed outside the class defined by the faculty handling courses. The activities aim to support learning and should be initiated by the students themselves without guidance or direction from tutors. For each course, the self-learning hour per week is calculated as:

$$S = (L*1 + P*1 + [R/2])$$

Categories of courses included in the curriculum and their L-T-P-R-C components are given in the table below.

Sl. No.	Lecture-Tutorial-Practical-Project [L-T-P-R]	Credit [C]	Description
1.	1-0-2-0	2	Theory course without End Semester Examination [ESE]
2.	1-0-0-0	1	
3.	2-0-2-1	4	Theory course embedded with practical and project
4.	3-1-0-0	4	Theory course embedded with tutorial
5.	3-0-0-0	3	Theory course
6.	2-0-0-0	2	
7.	3-0-2-0	4	Theory course embedded with practical
8.	3-0-0-1	4	Theory course embedded with project
9.	0-0-2-0	1	Practical course without ESE
10.	0-0-3-0	2	Practical course
11.	0-0-0-3	2	Mini Project
12.	0-0-3-0	2	Seminar
13.	0-0-0-8	4	Major Project/Internship/Start-Up
14.	0-0-0-0	1	MOOC Course
Mandatory Courses			
15.	0-0-2-0	1	Skill Enhancement Courses
Minor/ Honors Course			

	<table border="1"> <tr> <td>16.</td> <td>4-0-0-0</td> <td>4</td> <td>Theory course</td> </tr> <tr> <td>17.</td> <td>0-0-0-4</td> <td>4</td> <td>Project only course</td> </tr> </table>	16.	4-0-0-0	4	Theory course	17.	0-0-0-4	4	Project only course																																												
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24R3.7	<p>Every course of the B. Tech. program shall be placed in one of the eleven categories based on the nature of the course and is listed in the table below:</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Category</th> <th>Code</th> <th>Credits</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Humanities and Social Sciences including Management Courses</td> <td>HMC</td> <td>9</td> </tr> <tr> <td>2</td> <td>Basic Science Courses</td> <td>BSC</td> <td>20</td> </tr> <tr> <td>3</td> <td>Engineering Science Courses</td> <td>ESC</td> <td>26</td> </tr> <tr> <td>4</td> <td>Programme (Professional) Core Courses</td> <td>PCC</td> <td>52</td> </tr> <tr> <td>5</td> <td>Programme (Professional) Core Courses-Project Based Learning</td> <td>PBL</td> <td>16</td> </tr> <tr> <td>6</td> <td>Program Elective Courses</td> <td>PEC</td> <td>18</td> </tr> <tr> <td>7</td> <td>Open Elective Courses/Industry Linked Elective</td> <td>OEC/ILE</td> <td>9</td> </tr> <tr> <td>8</td> <td>Project Work and Seminar</td> <td>PS</td> <td>12</td> </tr> <tr> <td>9</td> <td>UHV and Community Work</td> <td>PW</td> <td>1</td> </tr> <tr> <td>10</td> <td>Skill Enhancement Courses</td> <td>SEC</td> <td>5</td> </tr> <tr> <td>11</td> <td>Mandatory Student Activities.</td> <td>MSA</td> <td>2</td> </tr> <tr> <td></td> <td>Total Mandatory Credits</td> <td></td> <td>170</td> </tr> </tbody> </table> <p>10 to 15 % deviation in credits is permitted under each discipline. While developing the curriculum, the department offering the program should ensure that the students shall attain the above distribution upon their completion of their program.</p> <p>Either Minor or Honors can be opted from the optional specialization.</p>	Sl. No	Category	Code	Credits	1	Humanities and Social Sciences including Management Courses	HMC	9	2	Basic Science Courses	BSC	20	3	Engineering Science Courses	ESC	26	4	Programme (Professional) Core Courses	PCC	52	5	Programme (Professional) Core Courses-Project Based Learning	PBL	16	6	Program Elective Courses	PEC	18	7	Open Elective Courses/Industry Linked Elective	OEC/ILE	9	8	Project Work and Seminar	PS	12	9	UHV and Community Work	PW	1	10	Skill Enhancement Courses	SEC	5	11	Mandatory Student Activities.	MSA	2		Total Mandatory Credits		170
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24R3.8.1	Program (Professional) Core Courses (PCC): Courses listed under the Program Core of a curriculum are program specific. Students have to complete all the courses listed under PCC to become eligible for the degree																
24R3.8.2	Project-based Learning (PBL) aims to develop more profound knowledge by actively exploring real-world challenges and problems by applying theoretical knowledge. It consists of three components: Theory, Practical and Project. The project is a group-based activity with a maximum of five members in a group, where each group has to identify suitable application-based problems based on the topics covered/advanced concepts of topics in the theoretical part of that course. The curriculum of each program has five project-based courses. Only one PBC can be included in a semester and should be within the 1 st to 5 th semesters.																
24R3.8.3	Professional Elective Courses (PECs) refer to a set of courses that are more advanced, applied, or specialized sub-areas than the introductory courses a student studies as part of program core courses. Courses in the PECs can be organized appropriately to provide a limited specialization in some sub-area of program discipline to a B Tech student, and they are named Micro-Specializations.																
24R3.8.4	Micro-Specialization: All B. Tech students are eligible for micro specialization. Each department shall provide a list of micro specialization courses. Each row in the micro-specialization table shall contain a mandatory pre-requisite course with 3/4 credits and at least four thematic courses corresponding to the pre-requisite course, from the PEC list with the sequence order of course.																
24R3.8.4.1	Students shall take any three thematic courses in the order specified in the micro specialization list. A student shall complete 4 courses from the specified list and acquire at least 12 credits to earn micro-specialization.																

24R3.8.4.2	A student must register for a micro specialization. The registration can be done in the beginning of fourth semester.
24R3.8.4.3	GPA for the courses contributing to the micro specialization will be separately calculated. A minimum GPA of 6.00 is essential to earn the micro-specialization.
24R3.8.5	Open Elective course (OEC): This refers to the course that the student must mandatorily opt for from departments other than the one in which they are pursuing undergraduate studies. This is intended to encourage cross- and multidisciplinary learning.
24R3.8.6	Industry elective courses (ILE) shall be offered jointly with industry partners to ensure relevance and practical applicability. The academic department and the industry partner must collaboratively develop the syllabus and assessment methods for industry elective courses. The developed syllabus and assessment methods must be approved by the respective Board of Studies (BoS) before being offered to students. The quality of partnerships, syllabus, and assessment patterns for industry elective courses shall be thoroughly evaluated by the Industry Institute Cell. The evaluation by the Industry Institute Cell must be completed before submitting the course details to the respective BoS for final approval. There will be no end-semester examination for Industry elective courses.
24R3.9.2	Higher Credit Elective: It is a course offered that carries more than the standard credit weight assigned to elective courses. It shall allow students pursuing honours to reduce the number of required courses by earning additional credits through higher-credit electives. Additional credits earned from higher credit electives can be credited towards the total credit requirement of the honours program. A maximum of 12 additional credits earned from higher credit electives can be applied towards the honours credit requirement.
24R3.8.7	Mini Project: It is included in the curriculum to achieve the practical application of knowledge and skills learned from academics. It will be a group activity with a maximum of four members, where each group has to identify suitable topics in their domain. The progress of the mini-project is evaluated based on three reviews, two interim reviews and a final review. A report is required at the end of the semester.

<p>24R3.8.8</p>	<p>Major Project/Internships/Startups</p> <p>24R3.9.1 Internship Options:</p> <ul style="list-style-type: none"> a) Students may opt for an internship in either the seventh (S7) or eighth (S8) semester of their program. b) If a student opts for an internship in the seventh semester (S7), they must complete their major project in the eighth semester (S8). c) If a student opts for an internship in the eighth semester (S8), they must complete their major project in the seventh semester (S7). <p>24R3.9.2 Major Project Options:</p> <ul style="list-style-type: none"> a) If a student does not opt for an internship in either the seventh or eighth semester, they shall undertake the major project in two phases: Phase I in the seventh semester (S7) and Phase II in the eighth semester (S8) <p>24R3.9.3 Startup Options: Students may pursue a startup instead of an internship/main project.</p> <ul style="list-style-type: none"> a) Product-Based Startup: Students can opt for both the seventh and eighth semesters. b) Service-Based Startup: Students can opt for either the seventh or the eighth semester. c) If a student opts for a service-based startup in one semester, they must complete their major project in the other semester.
<p>24R3.8.9</p>	<p>Project: The progress of the project is evaluated based on three reviews, two interim reviews and a final review. A report is required at the end of the semester.</p>
<p>24R3.8.10</p>	<p>Internship: During their tenure in the institution, students get exposure to an academic environment different from their future work environment, viz. industry, wherein they are expected to be placed. To get this exposure,</p> <ul style="list-style-type: none"> 1) B.Tech students can undergo at least 4 to 6 months of internship in a reputed Industry/Research Organization or at another institute of higher learning and repute (Academia) in their respective discipline of study either in the seventh or eighth semester. The institute shall decide the type and nature of organization for the internship. 2) Students who opt for internships can avail themselves of MOOCs or follow self-study mode to meet the credit requirements of the seventh/eighth-semester coursework mentioned in the curriculum. In such cases, the statement of attendance from the organization where the student pursued their internship will be treated as an

	<p>attendance requirement for internal assessment and end-semester examinations. Suppose the student is permitted to follow self-study mode. In that case, he/she is liable to meet all the requirements, such as attending internal exams and submitting the assignments and other work given by the course tutor on time.</p> <p>3) Every student shall be assigned an internship Supervisor/Guide by the senior faculty advisor in consultation with HoD at the beginning of the internship. Students should contact their college guide/supervisor weekly to communicate their progress, and each student must maintain a diary/log book. After completion of the internship, students are required to submit the following at the college level,</p> <ol style="list-style-type: none"> a) Report of work done b) Internship certificate copy c) Feedback from employer/internship mentor d) Stipend proof (in case of paid internship) <p>4) Students who opt for an internship must attend the interim and final evaluation by submitting the internship report. The internal internship supervisor shall be a member of the project evaluation committee along with other project evaluation committee members. It is desirable that an external supervisor from the industry also be a member of the evaluation committee of such students and other project evaluation committee members.</p>
<p>24R3.8.11</p>	<p>Startups: During their tenure in the institution, students can pursue student startups instead of the main project in either the seventh (S7) or eighth (S8) semester. The evaluation process will differ based on whether the startup is service-based or product-based. Additionally, product-based startups can continue across both semesters, requiring evaluation at the end of each semester.</p> <p>1. Service-Based Startups</p> <p>Evaluation Criteria include the Business Plan and Model, Development and deployment of the service, Financial Performance, Revenue model and financial projections, Impact and Reach, Startup Registration Process, Presentation and Documentation, and the Quality of progress reports and final documentation.</p> <p>i) Evaluation Process:</p> <p>Interim Reviews: Regular progress reviews with a faculty advisor and industry mentor.</p>

	<p>Final Presentation: A detailed presentation of the startup</p> <p>Documentation: Submission of all relevant documents, including the business plan, financial reports, and customer feedback.</p> <p>2. Product-Based Startups</p> <p>Evaluation Criteria include Innovation and Design, Development and Prototyping, Market Potential, Financial Viability, Impact and Reach, the Startup Registration Process, and Presentation and Documentation.</p> <p>ii) Evaluation Process:</p> <p>Interim Reviews: Regular progress reviews with a faculty advisor and industry mentor.</p> <p>Prototype Demonstration: A demonstration of the working prototype and its features.</p> <p>Final Presentation: A detailed presentation covering all aspects of the product development, market potential and financial viability.</p> <p>Evaluation Across Semesters:</p> <p>Seventh Semester (S7): Initial evaluation focusing on the idea, design, and early-stage development.</p> <p>Eighth Semester (S8): Final evaluation covering complete development, market launch, and performance metrics.</p> <p>Submission of Intent: Students must submit a detailed proposal outlining their startup idea, objectives, and expected outcomes at the beginning of the semester.</p> <p>Mentorship: Each student startup will be assigned a faculty advisor and an industry mentor to guide and monitor progress.</p> <p>Regular Reporting: Students must submit regular progress reports and updates to their mentors.</p> <p>Final Evaluation: The final evaluation will be conducted by a panel comprising faculty members, industry experts, and successful startup founders.</p>
24R3.9	Credit per semester shall be between a minimum of 10 and a maximum of 26, and cumulative credits shall be at least 170.
24R3.10	Medium of Instruction: The medium of instruction shall be English. All examinations, project/seminar reports, and presentations shall be in English.

24R3.11	MOOC: MOOCs shall be considered only if they are conducted by agencies like AICTE/NPTEL/SWAYAM or NITTTR and have a proctored/offline examination.
24R3.11.1	The MOOCs shall have a minimum duration of 8/12 weeks, and the content of the syllabus shall be enough for at least 36/48 hours of teaching for a 3 or 4-credit course, respectively.
24R3.11.2	The students can take the MOOCs at their convenience, but they must complete them before the registration for the end-of-semester examination of the 8 th semester.
24R3.11.3	The list of MOOCs for Minor/Honors/seventh/eighth-semester PECs and OECs shall be recommended by the respective BoS and approved by the Academic Council.
24R3.11.4	The MOOCs corresponding to seventh/eighth semester PEC/OEC shall be approved for earning credit if at least 70% of the course contents match the syllabus of the course for which it has opted, and its contents do not overlap more than 40% with any of the core/elective courses in the concerned discipline or with any of the open electives the student has opted during the B.Tech program. The MOOCs corresponding to Minors/Honors shall be approved for earning credit if at least 70% of the course contents match the syllabus of the course for which it is opted or an advanced topic in the respective domain of Honors/Minor and its contents do not have more than 40% overlap with any of the core/elective courses in the concerned discipline or with any of the open electives the student has opted for.
24R3.11.5	The institution shall award the credit weightage mentioned in the curriculum of the program for students on successful completion of the MOOCs for purpose mentioned in the 24R3.11.3 .
24R3.11.6	If the student passes the MOOCs corresponding to Honors or the 8 th semester PEC and OEC, the percentage obtained in the MOOC shall be adopted, and the grade shall be decided based on 24R8.12 and 24R8.12.1
24R3.12	The Curriculum shall include multiple course baskets for Honor/Minor and multiple course lists for PEC/OEC under each department. The department shall have the right to decide the course basket/course from the list to be floated in a given academic year and shall inform the students accordingly.

24R3.13	<p>Skill Enhancement Courses (SEC) are designed to provide students with industry-relevant certifications from reputed organizations. These courses are integral to the academic curriculum and aim to enhance the employability of students by certifying their skill sets.</p> <p>1) Course Structure</p> <ol style="list-style-type: none"> a) Skill Enhancement Courses are offered from Semester 1 to Semester 5. b) Each Skill Enhancement Course carries one (1) credit. c) Skill Enhancement Courses are primarily self-study courses. However, instructional hours can be allocated if required and based on availability. d) The respective departments will prepare the list of Skill Enhancement Courses, which the Board of Studies (BOS) must approve. e) The BOS has the flexibility to update the list of Skill Enhancement Courses based on market demand and industry trends. The BOS is also responsible for deciding which semester a specific course will be offered. f) Skill Enhancement Courses are mandatory for all students. g) Students must meet the minimum requirements for certification to gain the associated credit. h) Successful completion of the course requirements, as certified by the offering organization, is mandatory for earning the course credit. i) The credits earned from Skill Enhancement Courses will not be included in the calculation of Grade Points. j) Departments coordinate with the certifying organizations to facilitate the Skill Enhancement Courses. k) Continuous assessment and feedback mechanisms will be put in place to ensure the relevance and quality of the courses. l) Feedback from students and industry stakeholders will be considered for continuous improvement. m) All students must enroll in and complete the Skill Enhancement Courses per the prescribed schedule. n) Failure to complete these courses will impact the student's ability to fulfill graduation requirements.
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4. Course Registration and Enrollment	
24R4.1	Except for the first semester, registration and enrollment shall be done at the beginning of the semester as per the schedule and procedure announced by the institution.
24R4.2	A student shall be eligible for enrolment only if he/she completely satisfies the minimum requirement to continue the program only if <ol style="list-style-type: none"> i) they have cleared all the dues in the Institute, hostel & library up to the end of the previous semester ii) they are not debarred from enrolment by a disciplinary action of the Institute iii) they have paid all the tuition and other relevant fees, if any, prescribed by the institution. iv) they shall earn the minimum credits insisted in 24R8.20
24R4.3	Students shall complete formalities, such as teaching evaluation/feedback of the courses registered in the previous semester, if any, as notified by the institution before the registration for the semester.
5. Structure of a Course and Syllabus	
24R5.1	The entire syllabus should be divided into four modules, with descriptions of the topics in each module, that can be covered in 12/24/36/48 hours for 1/2/3/4 credits, respectively, in a semester.
24R5.2	The syllabus of each course shall have a course code, course title, course delivery modes (L-T-P-R) and credits assigned to that course (C) as per 24R3.5 along with the preamble of the course, prerequisites, course objectives, expected course outcomes, course outcome - program outcome mapping, lesson plan with expected duration needed to cover the syllabus, suggested textbooks, reference books, assessment pattern and question paper pattern.
24R5.3	The syllabus for each course shall be recommended by the BoS of the respective department and approved by the Academic Council. The Academic Council shall also approve any subsequent modifications after the recommendation of the respective BoS.
24R5.4	Structure of Course Code: Each course will be identified by a unique Course Code consisting of eight alphanumeric characters, formatted as 24XXYABC . The code can be interpreted as follows: "24" represents the regulation year, "XX" is the course category code, "Y" indicates the course delivery mode, "A"

is the semester number (ranging from 1 to 8, with 0 indicating the course is offered in both odd and even semesters), "B" denotes the version of the course under each category, and "C" signifies the course sequence number. For example, 24CET303 is a theory course offered by the civil engineering department in the third semester of the 2024 scheme. 24BML408 - laboratory course offered by the biomedical engineering department in the fourth semester of the 2024 scheme. The detailed expansion of the abbreviation of the course code structure is listed in the table below:

XX	Y	A	B	C
Course category	Course delivery mode	Semester No	Version of the course	Serial No: of course
BM-Biomedical Engineering	T-Theory L-Laboratory			
BT-Biotechnology	R-Theory			
CE – Civil Engineering	Embedded with Project			
CS-Computer Science Engineering	C-Certification Course	0	1	1
EC-Electronics and Communication Engineering	E-Selective Course	1	2	2
EE-Electrical and Electronics Engineering	H-Honour	2	3	3
MA-Mathematics	M-Minor	3	etc.	4
CY – Chemistry	O-Open Elective	etc.		5
PH-Physics	I-Industry Elective			6
ES-Engineering Science course	S-Seminar			etc.
	P-Project			
	N-Internship			
	U-Start Up			
	C – Theory Embedded with practical			

	<p>HMC-Humanities and Management Courses SEC-Skill Enhancement Courses PW-Social Science and Community work</p>				
6. Academic Monitoring and Student Support.					
24R6.1	There shall be one Senior Faculty Advisor (SFA) for each department batch and one Faculty Advisor (FA) for each of the 20 to 25 students. The Principal shall assign a regular faculty member with at least five years of experience as the SFA, as the HoD recommends.				
24R6.2	The documents regarding all academic and non-academic matters of students under an advisory group shall be kept under the custody of the Faculty Advisor/Senior Faculty Advisor.				
24R6.3	All requests/applications from a student or parent to higher offices must be forwarded/recommended by his/her Faculty Advisor/Senior Faculty Advisor. Students and parents shall first approach their Faculty Advisor/Senior Faculty Advisor for advice, clarifications, and permissions on academic matters. It is the official responsibility of the institution to provide the required guidance, clarifications, and advice to the students and parents strictly based on the prevailing academic regulations.				
24R6.4	<p>The SFA shall arrange separate or combined meetings with advisors, course faculty, parents, and students as and when required to discuss the academic progress of students under their advisory group. The Senior Faculty Advisor/Faculty Advisor shall also offer guidance and help to solve issues on academic and non-academic matters, including personal issues of the students in their advisory group. Advisory meetings shall preferably be convened:</p> <ol style="list-style-type: none"> 1. Immediately after the commencement of the semester. 2. Immediately after announcing the marks of the first internal evaluation test. <p>The internal marks, activity points earned during the semester, and attendance eligibility shall be uploaded to the academic management system of the institute. Any student concerns regarding attendance,</p>				

	internal marks, and activity points shall be looked into in the combined meetings of advisors, course faculty, and the students concerned. The Principal/HoD shall ensure the proper redressal of the concerns raised by the students regarding internal assessment and attendance. The FA/SFA shall be the custodian of the minutes and action-taken reports of the advisory meetings.
24R6.5	The SFA shall keep the minutes and action-taken reports of advisory meetings approved by the Head of Department and the Principal. It shall be the duty of the HoD and the Principal to produce it before the statutory body as and when required.
24R6.6	The FA/SFA shall maintain a hard copy of the consolidated statement of attendance, activity points, and internal marks of the students in their advisory group. It shall be kept with the HoD without fail for all sorts of inspections.
24R6.7	The Senior Faculty Advisor/Faculty Advisor shall be responsible for regular communication with the parents regarding progress in academic matters and other general issues.
24R6.8	The Principal shall inform/forward all regulations, guidelines, communications, announcements, etc., issued by the statutory body/University regarding student academic and other matters to the HoDs/Senior Faculty Advisors for information and timely action.
24R6.9	It shall be the official responsibility of the Principal to arrange necessary orientation programs for the HoDs, SFAs, and FAs regarding student counselling, the prevailing University norms, regulations, guidelines, and procedures on all academic and other University-related matters.
24R6.10	<p>All branches of study will have class committees for every semester constituted by the respective Heads of Departments. The committee chairperson shall be a senior faculty member who does not offer any course during that semester.</p> <p>Members:-</p> <ol style="list-style-type: none"> 1) All faculty members teaching courses in that semester. 2) Two student representatives nominated by the head of the department. <p>The class committees shall meet at least thrice in a semester. The first is at the beginning of the semester, and the second and the third are after the first and the second internal tests, respectively. Both committees should</p>

	<p>monitor the conduct of the courses, adherence to the course plan and time schedule, completion of the syllabus, standards of internal tests, evaluation process and difficulties faced by the students and take suitable remedial actions at the appropriate time. At the end of the semester, the committee should meet without student representatives to review the conduct of the course and finalize the internal assessment marks and approve them.</p>
24R6.11	<p>A course committee constituted by the Principal of the college will be responsible for common courses (electives are excluded) offered to students admitted for the B. Tech. programmes irrespective of their branch of study.</p> <p>The chairperson of the course committee shall be a senior faculty member who is not offering the course.</p> <p>Members:-</p> <ol style="list-style-type: none"> 1) All teachers offering the course. 2) Four student representatives nominated by the Principal. <p>The course committees shall meet at least thrice in a semester. The first at the beginning of the semester, the second and the third after the first and the second internal tests respectively. Both committees should monitor the conduct of the courses, adherence to the course plan and schedule, completion of the syllabus, standards of internal tests, evaluation process and difficulties faced by the students and take suitable remedial actions at the appropriate time.</p>
<p>7. Academic Auditing</p>	
24R7.1	<p>Academic auditing shall be conducted in each department as stipulated by the University. The academic auditing shall be conducted by an Internal Quality Assurance Cell (IQAC) within the college in association with the Department Quality Assurance Cell (DQAC) of each department. The IQAC shall oversee and monitor all academic activities, including all internal evaluations and examinations. The IQAC shall prepare academic audit statements for each semester at regular intervals. These reports shall be presented to the Principal for the consideration of the statutory bodies concerned. Academic auditing shall cover the following:</p> <ol style="list-style-type: none"> 1. Course delivery and adherence to the course plan, syllabus coverage, quality of question papers used for internal examinations, internal evaluation, laboratory experimental setups and equipment maintenance, practical assignments, mini projects and conduct of practical classes and their evaluation.

	<ol style="list-style-type: none"> 2. Co-curricular and Extracurricular activities available for students, the monitoring mechanism of activity points to be earned by the students. 3. The academic functioning of the college encompasses students, faculty, and college administration and covers punctuality, attendance, discipline, academics, environment, learning ecosystem, academic accountability, academic achievements, and benchmarking. 4. The audit shall also cover the quality criteria prescribed by various accreditation bodies and other agencies. <p>The IQAC shall have an external Peer Team comprising two or more members who shall be academicians of repute not below the rank of Professor. The report regarding the performance of the Autonomous College shall be posted on the college's website The external peer review shall be conducted at least once a year.</p>
8. Assessment	
24R8.1	<p>The learning level of a student is assessed and evaluated in-house by the course facilitating faculty member/ department except in the case of project work where an external examiner shall be nominated to conduct the project presentation. The student's learning level in each semester shall be evaluated by Continuous Internal Assessment (CIA) and End Semester Examinations (ESE) or by Continuous Internal Assessment (CIA) alone based on the credit as prescribed in the curriculum.</p>
24R8.2	<p>The CIA is spread throughout the course daily and is done by faculty members who facilitate the course. To evaluate the different skills acquired by a student, the continuous learning assessments are appropriately performed through periodic tests, assignments, presentations, pop quizzes, seminars, multiple choice quizzes, field visits, case-study, group activities, debates, conference papers and other suitable tools devised by the course tutor. The faculty member(s) concerned shall carry out the CIA for the courses allotted to him/her and should perform the learning assessments in the following perspectives concerning all courses:</p> <ul style="list-style-type: none"> ● Evaluation concerning knowledge ● Evaluation concerning Understanding ● Evaluation concerning skills ● Evaluation concerning Applications and/or Higher Order Thinking Skills

	For the Practice part of a course or a pure Practice (Laboratory/Practical) course, due weightage for carrying out experiments, such as observations, collection of data, analysis, interpretation of results, inferences, and timely submission of record work done would all carry due weightage based on the type of laboratories and the course.										
	The CIA marks for individual courses shall be computed by giving weightage to the following parameters given in the table below:										
	Mark Distribution of CIA										
24R8.2.1	Course Structure (L-T-P-R)	Attendance	Theory (L- T)			Practical (P)		Project (R)			Total Marks
			Assignment*	Test-1	Test-2	Class work	Lab Examination	Evaluation-1	Evaluation-2	Report	
	1-0-0-0	5	45	25	25	-	-	-	-	-	100
	1-0-2-0	5	5	20	20	50					100
	2-0-0-0	5	15	15	15	-	-	-	-	-	50
	3-0-2-0	5	5	7.5	7.5	15	10	-	-	-	50
	0-0-2-0	5	-	-	-	35	10	-	-	-	50
	0-0-3-0	5	-	-	-	20	25	-	-	-	50
	2-1-0-0	5	10	12.5	12.5	-	-	-	-	-	40
	3-0-0-0	5	10	12.5	12.5	-	-	-	-	-	40
	3-1-0-0	5	10	12.5	12.5	-	-	-	-	-	40
4-0-0-0	5	10	12.5	12.5	-	-	-	-	-	40	

3-0-0-1	5	5	7.5	7.5			10	10	5	50
2-0-2-1	5	5	7.5	7.5	7.5	5		7.5	5	50

* Recommended assessment tools for the assignment are detailed in 24R8.2. The CIA marks for the attendance for each theory, practical, and drawing shall be awarded in total, only if the candidate has secured 90% or more attendance in the course. If a student has attendance for a course below 90%, the marks for attendance shall be reduced proportionally. The CIA marks obtained by the student for all courses in a semester are to be published at least five days before the commencement of the ESE. Duty leave shall be accounted for awarding the internal marks for attendance.

For courses with two internal tests, each test shall cover 50% of the syllabus.

Retests shall be permitted for students who cannot appear for the internal tests due to medical/emergency grounds. To qualify for a retest, students must provide valid documentation, such as a medical certificate from a registered medical practitioner or official proof of the emergency. The request for a retest and supporting documents must be submitted to the respective department head within three working days of the missed test. The HOD shall scrutinize the submitted documentation and, if deemed valid, forward it to the Principal for final approval. The decision of the Principal will be final.

The number of assignments that each course will receive may vary depending on the course category. The table below gives details about this.

Assessment of Assignment component of CIA			
Course Category	L-T-P-R	Credit	Assessment of Assignment component of CIA
Theory Embedded with Practical/ and Project/Seminar	3-0-2-0	4	Only one assessment
	2-0-2-1	4	
	1-0-2-0	2	
Project Based Course	3-0-0-2	4	
Theory Course	1-0-0-0	1	

	<table border="1"> <tr> <td></td> <td>2-0-0-0</td> <td>2</td> <td rowspan="5">One assessment per two modules</td> </tr> <tr> <td></td> <td>2-1-0-0</td> <td>3</td> </tr> <tr> <td></td> <td>3-0-0-0</td> <td>3</td> </tr> <tr> <td></td> <td>3-1-0-0</td> <td>4</td> </tr> <tr> <td></td> <td>4-0-0-0</td> <td>4</td> </tr> </table>		2-0-0-0	2	One assessment per two modules		2-1-0-0	3		3-0-0-0	3		3-1-0-0	4		4-0-0-0	4																																																												
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24R8.2.2	<p>Evaluation Type, CIA & ESE Mark Distribution: for courses with various course structures is given in the following table:</p> <table border="1"> <thead> <tr> <th rowspan="2">Evaluation Type</th> <th rowspan="2">Course Category</th> <th rowspan="2">L-T-P-R</th> <th rowspan="2">Credits</th> <th colspan="2">CIA & ESE Marks</th> <th colspan="2">CIA & ESE Percentage</th> </tr> <tr> <th>CIA Mark</th> <th>ESE Mark</th> <th>CIA</th> <th>ESE</th> </tr> </thead> <tbody> <tr> <td rowspan="5">CIA</td> <td>Practical</td> <td>0-0-2-0</td> <td>1</td> <td rowspan="5">50/100</td> <td rowspan="5">100</td> <td rowspan="5">100%</td> <td rowspan="5"></td> </tr> <tr> <td rowspan="2">Theory</td> <td>1-0-2-0</td> <td>2</td> </tr> <tr> <td>1-0-0-0</td> <td>1</td> </tr> <tr> <td>Seminar</td> <td>0-0-3-0</td> <td>2</td> </tr> <tr> <td>Project [Minor/Honors]</td> <td>0-0-0-4</td> <td>4</td> </tr> <tr> <td>Project</td> <td>0-0-8-0</td> <td>4</td> </tr> <tr> <td rowspan="8">CIA + ESE</td> <td rowspan="4">Theory Course</td> <td>2-1-0-0</td> <td>3</td> <td rowspan="4">40</td> <td rowspan="4">60</td> <td rowspan="4">40%</td> <td rowspan="4">60%</td> </tr> <tr> <td>3-0-0-0</td> <td>3</td> </tr> <tr> <td>3-1-0-0</td> <td>4</td> </tr> <tr> <td>4-0-0-0</td> <td>4</td> </tr> <tr> <td rowspan="4">Theory Embedded with Practical/project</td> <td>2-0-0-0</td> <td>2</td> <td>50</td> <td>50</td> <td>50%</td> <td>50%</td> </tr> <tr> <td>3-0-2-0</td> <td>4</td> <td rowspan="3">50</td> <td rowspan="3">50</td> <td rowspan="3">50%</td> <td rowspan="3">50%</td> </tr> <tr> <td>3-0-0-2</td> <td>4</td> </tr> <tr> <td>2-0-2-1</td> <td>4</td> </tr> <tr> <td>Practical</td> <td>0-0-3-0</td> <td>2</td> <td>50</td> <td>50</td> <td>50%</td> <td>50%</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Course</th> <th>Mark Distribution</th> </tr> </thead> <tbody> <tr> <td>Project work</td> <td>a. Work assessed by the project guide – 25%</td> </tr> </tbody> </table>	Evaluation Type	Course Category	L-T-P-R	Credits	CIA & ESE Marks		CIA & ESE Percentage		CIA Mark	ESE Mark	CIA	ESE	CIA	Practical	0-0-2-0	1	50/100	100	100%		Theory	1-0-2-0	2	1-0-0-0	1	Seminar	0-0-3-0	2	Project [Minor/Honors]	0-0-0-4	4	Project	0-0-8-0	4	CIA + ESE	Theory Course	2-1-0-0	3	40	60	40%	60%	3-0-0-0	3	3-1-0-0	4	4-0-0-0	4	Theory Embedded with Practical/project	2-0-0-0	2	50	50	50%	50%	3-0-2-0	4	50	50	50%	50%	3-0-0-2	4	2-0-2-1	4	Practical	0-0-3-0	2	50	50	50%	50%	Course	Mark Distribution	Project work	a. Work assessed by the project guide – 25%
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24R8.3	<p>End-semester Examination Patterns: The end-semester final examination shall have learning assessments from the following perspectives with respect to all courses:</p> <ul style="list-style-type: none"> ● Evaluation with respect to knowledge ● Evaluation with respect to Understanding ● Evaluation with respect to Applications 						

Based on the total marks of the ESE, a separate evaluation pattern shall be followed, as shown in the table below.

Evaluation pattern for End Semester Examination			
PATTERN	PART A	PART B	ESE Marks
PATTERN 1	8 Questions, each question carries 3 marks. 2 questions will be given from each module, and all should be answered. Marks: (3x8 =24 marks)	2 questions will be given from each module, out of which 1 question should be answered. Each question can have a maximum of 3 subdivisions. Each question carries 9 marks. Marks: (4x9 = 36 marks) Time: 2.30 hours	60
PATTERN 2	8 Questions, each question carries 3 marks. 2 questions will be given from each module, out of which 6 questions should be answered. Marks: (3x6 =18 marks)	2 questions will be given from each module, out of which 1 question should be answered. Each question can have a maximum of 2 subdivisions. Each question carries 8 marks. Marks: (4x 8 = 32 marks) Time:2.00 hours	50
PATTERN 3	NA	2 questions will be given from each module, out of which 1 question should be answered, carrying 15 marks.	60

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24R8.4	The main eligibility criteria for registering for the End-Semester Examination are attendance in the course and no pending disciplinary action. The minimum attendance for appearing for the End-Semester Examination is 75% in each course. Students who do not meet these eligibility criteria are awarded an FE grade.				
24R8.5	Students who have completed a course but could not write the end-semester examination shall be awarded an "I" Grade, provided they meet other eligibility criteria 24R8.4 . They shall register (exam registration) and appear for the end-semester examination at the next opportunity and earn the credits without having to register (course registration) for the course again				
24R8.6	The students with FE grades shall register for the courses during the normal semesters in which the courses are offered.				
24R8.7	Students must register for all the courses listed in the curriculum for a semester to be eligible to enroll for the next higher semester.				
24R8.8	The maximum number of credits a student can register (course registration) for in a semester is limited to 10 credits more than the total mandatory credits allotted in the curriculum for that semester.				
24R8.9	<p>A student will be eligible for the award of B. Tech. Degree of the University on satisfying the following requirements:</p> <ol style="list-style-type: none"> 1. Fulfilled all the curriculum requirements within the stipulated duration of the program. 2. Earned the required minimum credits as specified in the curriculum for the branch of study (24R3.6 & 24R8.22) 3. There is no pending disciplinary action. 				

24R8.10	Students registered for a course must attend the course regularly, undergo the Continuous Internal Assessment (CIA), and appear for the End Semester Examinations (ESE). Credits for the course are deemed to be earned only on getting at least a pass grade of 'P' or better in the composite evaluation.																																										
24R8.11	The pass minimum for a course shall be 40% for the End-Semester Examination and 50% of the CIA and ESE aggregate. If a course has both theory and practical components, then the student shall appear in the end-semester examinations for both, and a separate minimum of 40% is required for each component. A minimum of 50% of the CIA mark is required for a P grade for courses with only CIA and no ESE.																																										
24R8.12	Grading is based on the overall percentage marks obtained by the student in a course, as given in 24R8.12.1 . The grade card shall only give the grades against the courses the student has registered for. Semester grade cards shall give the grade for each registered course, the Semester Grade Point Average (SGPA) for the semester, and the Cumulative Grade Point Average (CGPA).																																										
24R8.12.1	<p style="text-align: center;">Grade and Grade Points</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Grade</th> <th style="text-align: center;">Grade Point (GP)</th> <th style="text-align: center;">% of Total Marks obtained in the course</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">S</td> <td style="text-align: center;">10</td> <td style="text-align: center;">90% and above</td> </tr> <tr> <td style="text-align: center;">A+</td> <td style="text-align: center;">9.0</td> <td style="text-align: center;">85% and above but less than 90%</td> </tr> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">8.5</td> <td style="text-align: center;">80% and above but less than 85%</td> </tr> <tr> <td style="text-align: center;">B+</td> <td style="text-align: center;">8</td> <td style="text-align: center;">75% and above but less than 80%</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">7.5</td> <td style="text-align: center;">70% and above but less than 75%</td> </tr> <tr> <td style="text-align: center;">C+</td> <td style="text-align: center;">7</td> <td style="text-align: center;">65% and above but less than 70%</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="text-align: center;">6.5</td> <td style="text-align: center;">60% and above but less than 65%</td> </tr> <tr> <td style="text-align: center;">D</td> <td style="text-align: center;">6</td> <td style="text-align: center;">55% and above but less than 60%</td> </tr> <tr> <td style="text-align: center;">P (Pass)</td> <td style="text-align: center;">5.5</td> <td style="text-align: center;">50% and above but less than 55%</td> </tr> <tr> <td style="text-align: center;">F (Fail)</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Below 50% (CIA + ESE) or Below 40 % for ESE Below 50% for courses with only CIA and no ESE</td> </tr> <tr> <td style="text-align: center;">FE</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Failed due to lack of eligibility criteria</td> </tr> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Could not appear for the end semester examination but fulfills the eligibility criteria.</td> </tr> <tr> <td style="text-align: center;">Classification</td> <td style="text-align: center;">First Class with Distinction</td> <td style="text-align: center;">CGPA 8.0 and above</td> </tr> </tbody> </table>	Grade	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	75% and above but less than 80%	B	7.5	70% and above but less than 75%	C+	7	65% and above but less than 70%	C	6.5	60% and above but less than 65%	D	6	55% and above but less than 60%	P (Pass)	5.5	50% and above but less than 55%	F (Fail)	0	Below 50% (CIA + ESE) or Below 40 % for ESE Below 50% for courses with only CIA and no ESE	FE	0	Failed due to lack of eligibility criteria	I	0	Could not appear for the end semester examination but fulfills the eligibility criteria.	Classification	First Class with Distinction	CGPA 8.0 and above
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24R8.13	There is no provision for improving the grade. However, students are permitted to check the answer books for the End Semester Examination after the results are declared upon payment of the prescribed fee. Any discrepancy in evaluation can be brought to the notice of the Controller of Examinations, who shall initiate appropriate action as per the Institute Examination Manual.
24R8.14	Revaluation: The students can apply for revaluation of the answer books of the end-semester examination after the results are declared. The Controller of Examination shall examine such cases and take appropriate actions based on rules available in the Institute Examination Manual.
24R8.15	<p>a. The I grade once awarded stays in the record of the student and is deleted when he/she completes the course successfully later. The grade acquired by the student will be indicated in the grade card of the appropriate academic year with an indication of the month and the year of passing of that course.</p> <p>b. The 'F' grade obtained by a student will be deleted from the grade card once that course is successfully completed. The pass grade acquired by the student will be indicated in the grade card of the appropriate year with an indication of the month and the year of passing. The CGPA will be accordingly revised.</p>
24R8.16	The institute makes grade cards available in the student login for registered courses every semester. After students earn the required credits for the degree, the institution issues the final consolidated grade sheet for the B. Tech program, including CGPA.
24R8.17	All matters about the conduct of ESE, declaration of results, revaluation, and scrutiny will be as per the institution examination manual unless otherwise mentioned in this regulation.
24R8.18	<p>Summer Classes for Students Failed Due to Ineligibility (FE) and Low Internal Marks</p> <p>a) To provide an opportunity for students who have failed due to ineligibility (FE) or insufficient internal marks to improve their grades through summer classes offered during the even semester vacation.</p>

	<p>b) Eligibility:</p> <ul style="list-style-type: none"> i) Students who have failed a course due to ineligibility (FE). ii) Students who have passed the end-semester examination but failed the course due to insufficient internal marks. <p>c) Registration:</p> <ul style="list-style-type: none"> i) Eligible students can cancel their initial registration for the failed course and opt for summer classes. <p>d) Course Duration and Structure:</p> <ul style="list-style-type: none"> i) Summer classes will be conducted during the even semester vacation. ii) Contact Classes will be held for 50% of the total hours of the regular course. iii) The syllabus for the summer course will be identical to the regular course syllabus. iv) All assessment methods mentioned in the respective syllabus must be followed during the summer course. v) If applicable, students must appear for the end-semester examination as part of the summer course. vi) The maximum grade awarded for courses completed through summer classes will be a 'P'.
<p>24R8.19</p>	<p>SGPA/CGPA Calculation: Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows.</p> $\text{SGPA} = \frac{\sum(C_i \times \text{GP}_i)}{\sum C_i},$ <p>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 of that semester. Failed and incomplete courses are also considered in the calculation.</p> $\text{CGPA} = \frac{\sum(C_i \times \text{GP}_i)}{\sum C_i},$ <p>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 that semester for which the 'CGPA' is needed. Here, the failed courses shall also be accounted for. CGPA for the B. Tech program is determined by considering all course credits required for the degree and their respective grade points. For students admitted under the lateral entry scheme, credits for the first and second-semester courses shall not be accounted for in the calculation of CGPA.</p> <p>Equivalent percentage mark shall be = 10 * CGPA - 2.5</p>
<p>24R8.20</p>	<p>Eligibility to Continue: A student must earn a minimum number of credits in a semester to be eligible to register for the new courses offered in the following semester. If this requirement is not met in odd semesters,</p>

the student will be forewarned and allowed to continue to the next semester. However, this requirement will be strictly implemented at the end of even semesters. Summer classes are offered to those who still need to satisfy this norm after the 2nd, 4th and 6th semesters. Students need to meet this requirement to register for new courses in the higher semesters. They have to register for the failed courses in lower semesters in which they are offered subject to the limitations imposed by the ordinances and course timetable.

The action plan for dealing with course arrears in theory courses at the end of each semester to continue with the programme is given below. Faculty advisors shall monitor, advise, and support the students in this. Students should be informed about the minimum cumulative credits requirement to register for higher-semester courses.

Eligibility Criteria for Registering for Higher Semester Courses:

Semester	Allotted Credits	Cumulative Credits (B.Tech Regular)	Cumulative Credits (B.Tech Lateral Entry)	Minimum cumulative credits required to register for courses in higher semesters (B.Tech Regular)	Minimum cumulative credits required to register for courses in higher semesters (B.Tech Lateral Entry)
First	21			Not insisted	NA
Second	22	43		32	NA
Third	26	69		Not insisted	Not insisted
Fourth	24	93	50	69	37
Fifth	23	116	73	Not insisted	Not insisted
Sixth	24	140	97	105	73
Seventh	17	157	121	Not insisted	Not insisted
Eight	11	168	132		

24R8.21

Re-admission: When the case of re-admission arises from one scheme to another, the respective Board of Studies (BoS) shall prepare the courses for credit transfer or transitory courses. In such cases, the application from students addressed to the Dean of Undergraduate Studies shall be forwarded to the respective BoS. The Academic Council shall approve the same after receiving the recommendation from the BoS.

24R8.22

Activity Points: A student shall earn two credits by actively participating in co-curricular and extracurricular activities per the guidelines issued by the University from time to time. Upon obtaining a minimum of 100

	<p>activity points, the student passes the course and earns the two credits, which shall not be counted for calculating CGPA but are mandatory for the award of the Degree. The two credits shall be considered earned upon obtaining 75 activity points for students admitted under the lateral entry scheme. Students must keep a file containing documentary proofs of activities they do, attested by the Senior Faculty Advisor or Faculty Advisor.</p>
24R8.23	<p>Malpractices in Examination: Any act of violation of Institute directions, indiscipline, misbehaviour, or unfair practice in examinations by students, faculty members, staff, institution, management, or any other source shall be viewed very seriously. It is the legal responsibility of the Controller of Examination to see that the examinations are conducted strictly as per the institution Examination Manual. Malpractices in examinations observed or reported by an official employed by the University/Institution, faculty member, or invigilator shall be immediately reported to the Deputy Controller of Examination. The Deputy Controller of Examinations shall, in turn, conduct a preliminary enquiry, giving the student concerned a chance to explain his/her case and forward the case with his/her preliminary enquiry report and remarks to the Controller of Examinations along with all related documents and evidence within two working days. The Controller of Examination shall decide the course of action on the issue per the prescribed norms in the Institution Examination Manual.</p>
9. Break of Study	
24R9.1	<p>1. Start-up Ventures or Product Development: If the student has a bright idea and wants to initiate a start-up venture or develop a product, they must provide funding details and plans to the college Principal. The Principal will evaluate the proposal by constituting an expert team consisting of a technocrat and a bank executive and taking an appropriate decision based on the team's recommendation. This break of study shall be permitted only after the fourth semester for a maximum duration of two semesters and only after successfully completing the courses listed in the first two semesters.</p> <p>2. Accident or Serious Illness: In case of an accident or severe illness needing prolonged hospitalization and rest, students must submit all necessary medical reports together with the recommendation of the treating doctor, giving definite reasons for the break of study and its duration. Before</p>

	<p>rejoining, the student should submit a fitness certificate from the doctor who treated them.</p> <p>3. Personal Reasons: Students must provide authentic evidence to convince the Principal of the genuine need for a break in study for any personal reasons that necessitate it.</p> <p>4. Internship Leading to Employment: For internships leading to employment, students must produce the offer letter obtained from the employer concerned. The Head of Department (HoD) shall verify the authenticity of the offer and submit their recommendation to the Principal in advance for approval. Only campus-placed students with an annual compensation of more than six lakhs can avail this facility.</p> <p>A break of study shall be imposed on a student due to the following reasons:</p> <ol style="list-style-type: none"> 1. Debarred from Study: If a student is debarred from study due to any stipulated reason in the previous semester. 2. Pending Disciplinary Actions: If there are any pending disciplinary actions against the student from previous semesters. 3. Not Registered for a Semester: If the student has not registered for a semester. <p>The student can take a break from study only with the prior approval of the principal. The Principal shall inform the details of students who availed of a break of study to the university. Students shall have to rejoin on the first working day of the same semester on which they started taking the break from study.</p>
24R9.2	<p>During the Break of Studies, a student is:</p> <ol style="list-style-type: none"> a. Not permitted to attend any regular classes b. Not allowed to stay in the 'Hostel' facility provided by SCET c. Not allowed to participate in any institute-level activities inside the campus. d. Eligible to register for courses in which they might have obtained an 'I'/'FE' grade. e. Eligible to reappear for the 'End Semester Final Examination' for courses in which they might have obtained an 'F' / 'I' grade.
<p>10.Attendance</p>	

24R10.1	Students are expected to attain 100% attendance for all courses. However, under unavoidable circumstances, they are permitted to avail leave. Total leave of absence shall not exceed 25% of the academic contact hours for a course, and 75% attendance is mandatory for registering for the end-semester examination. The minimum attendance requirement of 75% allows a student to use the balance of 25% to account for illnesses, permitted assignments such as job interviews, inter-university sports meet, inter-collegiate/inter-university competitions, accidents, unforeseen emergencies, etc. Students with less than 75% attendance will not be permitted to appear for the end-semester examination. The grade for CIA-only courses shall be awarded to the students only if he/she satisfies the minimum attendance of 75%.
24R10.2	On medical grounds, the Principal can relax the minimum attendance requirement to 60% to write the end-semester examination. This is permitted for one or more courses registered in the semester. HoD shall forward the application of students for attendance relaxation to the Principal for approval. The SFA shall keep all records that led to his decision on attendance for verification by the IQAC/any other competent authority. This provision applies only to any two semesters during the entire program period.
24R10.3	The Principal can grant attendance relaxation (duty leave) to the students in officially sponsored national-level competitions/championships/tournaments when called upon to do so, up to a maximum of 10%. Such students should produce the participation certificate counter signed by the University Sports Coordinator/ the Director of Physical Education for sports activities and the Senior Faculty Advisor for other extracurricular activities within ten days of the event. The participation certificate thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the Principal shall not consider the certificate if the overall attendance of the candidate is less than 60%. Only on-time applications received shall be considered on account. The student shall get official prior permission from the University/Institution to represent the University/Institution.
24R10.4	The Principal can grant attendance relaxation (duty leave) to the students for organizing extra/ co-curricular activities up to a maximum of 5%. Such students should produce the required documents countersigned by the University Sports Coordinator/ the Director of Physical Education for sports activities and the Senior Faculty Advisor for other extra/ co-

	curricular activities within ten days of the events. The documents thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the Principal shall not consider the documents if the overall attendance of the candidate is less than 60%. Only on-time applications received shall be considered on account.
11. Inter College Transfer	
24R11.1.	Inter-college transfer is applicable only for regular B. Tech students, subject to the stipulations promulgated from time to time by the affiliating university.
12. Migration from other Universities	
24R12.1.	Migration to the institution from other Universities shall be permitted subject to the stipulations promulgated from time to time by the affiliating university.
13. Minor in Engineering	
24R13.1.	All B. Tech students shall be eligible to register for a Minor in Engineering.
24R13.2.	The Minor in Engineering registration shall be along with the registration of the 3 rd semester.
24R13.3.	If a student fails in any course of the minor, they shall not be eligible to continue the B.Tech Minor. There will also be no supplementary chance for the failed course. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA.
24R13.4.	The student shall earn an additional 20 credits to be eligible for the award of a B. Tech Degree with a Minor.
24R13.5.	Out of the 20 Credits, 12 credits shall be earned by completing a minimum of three courses during the specified period. The total number of contact hours for these three courses shall be 126 (42 Hrs/course). A course shall last a minimum of 12 weeks. The remaining 8 credits could be acquired

	through two MOOCs recommended by the Board of Studies and approved by the Academic Council.
24R13.6.	The Board of Studies and the Academic Council will approve the curriculum and syllabus of the courses.
24R13.7.	The assessment of courses other than MOOCs and the earning of credits shall be as per 24R8.1 to 24R8.23 . The assessment and certification of MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOC conducting agency as proof of credit attainment.
24R13.8.	The University shall issue an Undergraduate Degree with a minor to the students who fulfill all the academic eligibility requirements for the B. Tech program and Minor in Engineering.
14. B. Tech (Honors)	
24R14.1.	All B. Tech students are eligible to register for B. Tech (Honors). However, their mandatory CGPA at the end of the eighth semester must be 8.5 or higher to be eligible for the award of B. Tech (Honors).
24R14.2.	The B. Tech (Honors) registration shall be along with the registration for the 4 th semester.
24R14.3.	If a student fails in any course, including the course chosen for B. Tech (Honors), he/she shall not be eligible to continue the B.Tech (Honors). There will also be no supplementary chance for the failed course. However, the additional credits thus far earned by the student shall be included in the grade card but shall not be considered in calculating the CGPA. A student registered for an Honours course can cancel their enrollment before the ESE due to emergency or medical reasons by providing appropriate documentation for their emergency or medical situation. In such cases, the student will need to enroll in equivalent courses offered in the higher semesters to compensate for the credits missed due to the cancellation.
24R14.4.	The student shall earn an additional 20 credits to be eligible for the award of a B.Tech (Honors) Degree.
24R14.5.	Out of the 20 Credits, 10 credits shall be earned by undergoing a maximum of five higher credit elective courses of the respective stream. Credits for the higher credit elective courses are deemed to be earned only on getting at least a grade of 'C' or better in the composite evaluation. A student shall

	not be permitted to select the normal elective courses of the respective B. Tech programs for attaining the credit requirements of B. Tech (Honors). The remaining 6 credits could be acquired through two MOOCs of the respective streams recommended by the Board of Studies and approved by the Academic Council.
24R14.6.	The assessment and certification of the MOOCs shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification the MOOC conducting agency issued as proof of credit attainment.
24R14.7.	There are no additional fees other than examination fees from the students for the Honors course.
24R14.8.	The university will issue a B. Tech (Honors) Degree to students who fulfill all the academic eligibility requirements for the B. Tech and B. Tech (Honors) programs.
15. Grace Marks for Sports /Arts Competitions.	
24R15.1	Only bona fide, regular candidates are eligible for the Grace Marks award.
24R15.2	The criterion for the award of Grace Marks is representing the University in officially sponsored national-level competitions/championships/tournaments when called upon to do so. The student must get official prior permission from the University to do so.
24R15.3	The maximum grace marks that can be awarded to a candidate in a particular semester for all activities put together shall be 5% of the aggregate maximum End Semester Examination marks of all theory courses for which the Institute End Semester Examinations.
24R15.4	The maximum grace marks that can be awarded to a student for a theory course in a particular semester for all activities put together shall not exceed 10% of the maximum aggregate marks of the end-semester examination of the course.
24R15.5	The Grace Marks shall not be awarded to a student for Practical/ Lab/ Viva Voce/internal assessment/ Seminar, etc., even though she/he fails for the same.
24R15.6	Eligible Grace Marks shall be distributed equally on all theory papers/courses of an examination. However, redistribution of Grace Marks

	shall be allowed only in the case of those courses of an examination for which the candidate has passed. Redistribution of Grace Marks is not permissible from failed courses to other courses for a pass.
24R15.7	The Grace Marks shall be awarded for all theory courses in a semester.
24R15.8	Redistribution shall be done only to enable a candidate to obtain the minimum marks required for a pass.
24R15.9	Grace Marks shall not be redistributed from one semester to another semester.
24R15.10	If the candidate does not secure the minimum marks required for a pass even after effecting redistribution, eligible moderation fixed by the respective board, if any, shall be awarded to that candidate in addition to the Grace Marks for a pass.
24R15.11	Eligible Grace Marks shall be awarded for the regular examination of the performing semester only. Grace Marks shall not be awarded for supplementary examinations.
24R15.12	The performing semester shall be considered from 1 July to 31 December (Odd semester) and 1 January to 30 June (even semester).
24R15.13	Grace Marks shall be awarded based on performance in the respective semester.
24R15.14	The request for Grace Marks shall be submitted to the Controller of Examinations through the Principal, along with all relevant documents, within the time limit prescribed by the University. The request for Grace Marks received after the time limit shall not be entertained on any account.
24R15.15	Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.
16. Grace Marks for Persons with Disability (PWD)	
24R16.1	A person with a disability means a person suffering from not less than 40% of any disability as certified by the Medical Board in Govt. hospitals. 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.

24R16.1	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.
24R16.2	Transfer of marks from one paper to another is not permitted. When computing the Grace Marks, fractions of marks, if any, shall be rounded off to the next higher integer.
24R16.3	PWD candidates eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.
24R16.4	Grace Marks shall be awarded only for the marks of the End Semester Examinations.
24R16.5	Requests 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 institution. Requests for Grace Marks received after the time limit shall not be entertained on any account.
17. Grace Marks for Paper publication	
24R17.1	<p>The grace marks for publications and patents are capped at 10 marks. The distribution of marks is based on the number of authors or inventors within the institution and in the same domain. Marks are awarded as follows:</p> <ul style="list-style-type: none"> • 10 marks for each publication or patent where the student is an author, co-author, or inventor, provided the publication is accepted in an SCI/Scopus-indexed journal or the patent is granted. (Design patents are excluded) <p>The total marks awarded for a publication or patent will be divided equally among the authors or inventors within the institution and in the same domain. All publications and patents must be validated and approved by the Institute's Research and Development Cell and published or granted before the results of Semester 8 are released.</p>
18. Degree Certificate & Provisional Certificate	
24R18.1	Award of Degree: Upon satisfying all the conditions noted in 24R8.9 , the institution shall recommend to the affiliated university for awarding the B.Tech degree to such students. The affiliated university is the authority that awards the degree certificate.

24R18.2	Provisional Degree Certificate & Consolidated Semester Grade Card: Upon satisfying all the conditions noted in 24R8.9 , the institution shall issue the students a consolidated grade card and Provisional Degree certificate.
19. Transcript	
24R19.1	A transcript will be issued to students upon request by paying a prescribed fee. Transcripts shall contain all the information that is mentioned in the grade sheet, along with the month and year of passing of each course.
20. Transitory Provision	
24R20.1	Notwithstanding anything contained in these regulations, the statutory bodies shall have the power to provide by order that these regulations shall be applied to any B.Tech program with such modifications as may be necessary.



ANNEXURE 1 RULES FOR ASSIGNING ACTIVITY POINTS

Apart from technical knowledge and skills, students should have excellent soft skills, leadership qualities and team spirit to be successful as professionals. They should have entrepreneurial capabilities and societal commitment. Student activity points to be earned, covering extracurricular and co-curricular activities, have been specified to nurture these qualities. All students must earn at least 100 activity points from various activity segments listed to qualify for the B.Tech degree. Two credits are given for this on a pass/ fail basis, which is mandatory for getting the B.Tech Degree. As no grade for these two credits is given, they are not included in the CGPA calculation. For lateral entry students joining from the third semester, the activity point requirement is 75 Points earned by the student, which will be indicated in the consolidated academic statement. In the case of NSS and NCC, points can be entered after completing a two-year Programme. All documental proof for awarding the activity points should be obtained, and the points will be consolidated. The rules for assigning activity points are given in the following sections.

The following table lists the main activity segments and the maximum points associated with each segment.

Activity Points				
Sl. No.	Group	Courses	Credits	Minimum Credit Requirements
1	I	NSS, NCC, NSO (National Sports Organization)	1 (50 Points)	2 Credits (One credit from each Group)
2		Arts/Sports/Games		
3		Union/Club Activities		
4	II	English Proficiency Certification (TOFEL, IELTS, BEC etc.)	1 (50 Points)	
5		Aptitude Proficiency Certification (GRE, CAT, GMAT etc.)/Valid Gate Score		
6		Short Term Internship, Clinical Exposure/Training (Minimum 2 weeks), Conferences/Paper Presentation/ Workshop Activities/ Professional Body Activities/ MOOC Courses/ Entrepreneurship and Innovation		

- *To obtain the 2 Activity Credits required in the curriculum, students must acquire at least 100 activity points.*

- 75% per group for B. Tech Lateral Entry Students and a total of 75%

The following table lists the activities under each of these segments, the expected level of achievement, activity points, the evidence needed to assign the points, and the minimum duration required for certain activities. Additional activities under these segments can be considered after approval from the Academic Council.

Group	Activity Head	Sl. No	Activity *Level	Achievement Levels and Assigned Activity Points					** Approval Document	Max. Points	Min. duration of activity
				I	II	III	IV	V			
GROUP I	National Initiatives Participation	1.	NCC	-	-	-	-	-	a/b	50	2 Year
		2.	NSS	-	-	-	-	-	a/b	50	2 Year
		For a C certificate / outstanding performance supported by certification, additional marks up to 20 can be provided, subject to a maximum limit of 80 points. Best NSS Volunteer Awardee (University level) / Participation in National Integration Camp/ Pre-Republic Day Parade Camp (South India), supported by certification, additional marks up to 10 can be provided, subject to a maximum limit of 70 points. For the best NSS Volunteer Awardee (State / National level), Participation in Republic Day Parade Camp or International Youth Exchange Programme supported by certification, additional marks up to 20 can be provided, subject to a maximum limit of 80 points.									
	Sports & Games Participation	3.	Sports	5	10	20	30	50	a	50	1 Year
			Games	5	10	20	30	50	a	50	1 Year
		4.	First Prize	8	8	8	15	15	Additional points can be provided for winning. The maximum limit for activity points is 60. However, the maximum point limit is enhanced to 80 for Level IV and V winning.		
			Second Prize	5	5	5	12	12			
			Third Prize	3	3	3	9	9			
	Cultural Events	5.	Music	5	10	20	30	50	a	50	1 Year
		6.	Performing arts	5	10	20	30	50	a	50	1 Year
		7.	Literary arts	5	10	20	30	50	a	50	1 Year
			First Prize	8	8	8	15	15	Additional points can be provided for winning. The maximum limit for activity points is 60. But for Level IV and V winning, the maximum point limit is enhanced to 80.		
			Second Prize	5	5	5	12	12			
			Third Prize	3	3	3	9	9			

Union/Club Activities			Coordinator	Sub/joint-coordinator	Volunteer						
	8.	Elected student representatives	25 (Chairman)	20 (Secretary)	10 (Members)	d	50	1 Year			
	9.	Hobby Clubs	10	5	3	d	30	1 Year			
	10.	Placement Activities	10	5	3	d	30	1 Year			
	11.	Student Professional Societies (IEEE, IET, ASME, SAE, NASA etc.)	10	5	3	d	30	1 Year			
	12.	Department Associations	10	5	3	d	30	1 Year			
	13.	Festival & Technical Events (College approved)	10	5	3	d	30	1 Year			
GROUP II	14. Professional Self Initiatives		Activity	Achievement Levels and Assigned Activity Points							
			*Level	I	II	III	IV	V			
		14.	Tech Fest, Tech Quiz	10	20	30	40	50	a	40	
		15.	MOOC with final assessment certificate (Other than specified in the curriculum)	30					a	40	
		16.	Competitions conducted by Professional Societies - (IEEE, IET, ASME, SAE, NASA etc.)	5	10	15	20	30	a	30	
			Hackathon	5	10	15	20	30	a	30	
		17.	Additional 10 points for Winners of Smart India Hackathon (SIH)/ India Innovation Challenge Design Contest (IICDC)								
18.	Attending Full time Conference/ Seminars / Exhibitions/ Workshop/ STTP conducted at IITs /NITs	10					a	20			

18a	Attending Full time Conference/ Seminars / Exhibitions/ Workshop/ STTP conducted at KTU or its affiliated institutes	4	a	8	
19.	Paper presentation/ publication at IITs/NITs	15	a	30	
Additional 10 points for certificate of recognition.					
19. a	Paper presentation/ publication at KTU or its affiliated institutes	6	a	12	
Additional 2 points for a certificate of recognition.					
20.	Poster Presentation at IITs /NITs	8	a	15	
Additional 10 points for certificate of recognition.					
20.a	Poster Presentation at KTU or its affiliated institutes	3	a	5	
Additional 2 points for a certificate of recognition.					
21.	Industrial Training/ Internship (at least for 2 weeks)	15	a/b	15	
22.	Industrial/ Exhibition visits	3	a/b/ d	8	
23.	Foreign Language Skills (TOEFL/ IELTS/ BEC exams, etc.)	40	a	40	
24.	Aptitude Proficiency Certification (GRE, CAT, GMAT, etc)/Valid Gate Score	40	a	40	
25.	Skilling Certificates (if not considered as part of the curriculum)	25	a	25	

Entrepreneurship and Innovation	26.	Start-up Company Registered Legally (if not considered as part of the curriculum)	50	d	50	
	27.	Patent-Filed	25	d	25	
	28.	Patent - Published	30	d	50	
	29.	Patent- Granted (if Grace marks are not awarded)	40	d	50	
	30.	Patent- Licensed	70	d	70	
	31.	Prototype developed and tested	50	d	50	
	32.	Awards for Products developed	50	d	50	
	33.	Innovative technologies developed and used by industries/users	50	d	50	
	34.	Got venture capital funding for innovative ideas/products.	70	d	70	
	35.	Startup Employment (Offering jobs to two persons not less than Rs. 15000/- per month)	70	d	70	
36.	Societal innovations	40	d	40		

*Level I College Events

*Level II Zonal Events

*Level III State/ University Events

*Level IV National Events

*Level V International Events

**Approval Documents: (a) Certificate (b) Letter from Authorities (c) Appreciation recognition letter (d) Documentary evidence (e) Legal Proof (f) Others (specify)