Academic Regulations for

Bachelor of Technology (B.Tech.) Program

(for the students admitted in the Academic Year 2025-26)

ANURAG UNIVERSITY

July, 2025

INDEX

TABLES

I. Academic Regulations for B. Tech. Program

1. About Anurag University and Academic Regulations

1.1 Anurag University was established as a State Private University under the Act No. 13, 2020, as per the Telangana State Private Universities (Establishment and Regulation) Act.

1.2 The academic environment at the University is being continuously reformed to make it more outcome-based, learning-centric rather than exam-centric. The assessment tools are thus being reformed to assess the extent to which learning outcomes are attained rather than grading the individuals. Learning is a life-long process where the teachers are also evolving and learning continuously with the students. Newer methods and ways are being created at Anurag University, where experimenting, problem solving, experiencing, and critical thinking become the way of life; where teachers are mentors and are guides by side. The Academic Regulations are meant to be 'light-but-tight' so that they give enough academic freedom to the teachers and the taught.

1.3 There are various in-class and out-of-class (through professional chapters, clubs, hackathons, etc.) activities that are being designed so that the students get enough opportunities to learn in a variety of contexts and situations.

2. Title and Duration of the Program

2.1 The program is called the Undergraduate (UG) Program in Bachelor of Technology, abbreviated as B.Tech. The duration of the program is four academic years divided into eight semesters. For the students admitted through the lateral entry scheme (LES) into the second year I semester of B. Tech., it is three academic years (refer to Section II for more details). The duration of each semester is 22 weeks.

2.2 The maximum duration to complete the program is six years (4+2 years). For the students admitted through LES is five years (3+2 years), refer to Section II for more details. Further, relaxation sought on genuine grounds will be referred to the Board of Management.

3. Program of Study and Code

Program	Code
Civil Engineering	01
Electrical and Electronics Engineering	02
Mechanical Engineering	03
Electronics and Communication Engineering	04
Computer Science and Engineering	05
Artificial Intelligence	06

Program	Code
Artificial Intelligence & Machine Learning	07
Computer Science and Engineering (Cyber Security)	09
Computer Science and Engineering (Data Science)	10
Electronics and Computer Engineering	11
Information Technology	12

Table 1: Program Codes

4. Pedagogical Aspects

The instruction of each course can be through exploration, experiences, lectures, tutorials, practical sessions (in specially crafted laboratories), guided inquiry (Problem Based), projects, internships, on-the-job-trainings, self-guided learning though Massive Open Online Courses (MOOCs), and various other formal and informal methods.

4.1 **Exploratory Courses**: The students are made to observe and explore a task, a situation or a context (not necessarily in classrooms). In the duration of the course, they explore social, environmental, technical, historical, engineering and other related aspects and prepare a chronicle based on exploration. The teacher's guide the students to explore and prepare the students to be better observers and explorers. The assessment is based on how well the students observe, explore and communicate about their exploration.

4.2 **Experiential Courses**: The students are given a 'task-to-do' (not necessarily in classrooms). They may or may not have the theoretical and practical knowledge to do the task. They use their intuitive minds and all the sensory skills, coupled with the knowledge and skills acquired from their previous experiences to accomplish the task. There are no right or wrong outcomes of the task, but they become enriched with their experience and the successes and failures encountered during the experience. The teachers give the cues and guide them through with the required resources and keep them engrossed in the task. The students are assessed based on the learning gain and how well they communicate about their experiences.

4.3 **Theoretical:** The students are seated in a classroom (lecture theatres in big groups or tutorial halls in smaller groups). They grasp theoretical concepts and apply, analyse them, engage in group discussions or active learning methods, in a manner guided by the mentor. The teachers use chalk and talk methods, supplemented by modern Information Communication Technology (ICT). The assessment is done in pen-paper or question-answer based strategies (may be in online mode using digital technologies).

4.4 **Lab-based Practical: The students indulge in practical sessions in specially crafted laboratories, doing and observing in a** practical form what they learned in theory/tutorial classes. The teacher's guide the students to arrange the right set-up for the experiment and help them observe the practical side of the theoretical concepts. The assessment is done based on how well the experimental setups are done and how well the students grasp the cause-and-effect relationship of the concepts.

4.5 **Guided Inquiry (Problem-Based)**: The students are given a large, open-ended problem. They navigate through theory, practical, exploration and experience to solve the problem. Since the problem is open-ended, there are many possible solutions to the same. They need to find any one of them. The solution may or may not result into something tangible (it could be just a theoretical solution or a simulation). The teacher guides them to solve the open-ended problem by providing resources and cues and keeps them on an optimal learning path. The assessment is done based on teamwork (may be done by peers), accuracy and efficiency of problem-solving techniques adopted and correctness of the solution.

4.6 **Project-Based: The students learn to integrate the concepts learnt in theory and practice of** all the courses learnt so far. They are made to build/construct something tangible. Through the course of building, they learn teamwork, navigate through the failures, manage the resources, and create and present. The teachers

serve as guide-by-side and help them achieve their goal of building something tangible. The assessment is done based on the extent of achievement of their goal, timely completion and how effective they present their journey of building the project.

4.7 **Internship / On-the-Job training**: The students work in a real-life situation in an industry/start-up or take up an entrepreneurial venture. They are made to deliver the tasks assigned by their reporting manager in a stipulated time. The assessment is done based on how well the task was done and its timely completion. The teacher and the reporting manager in the industry together perform the assessment.

4.8 **Self-Guided learning through MOOCs**: The students learn online (anytime, anywhere) at any platform (Swayam, Coursera, Edx, NPTEL, etc.) from a list of courses prescribed by the teachers/department. These courses may or may not have credits assigned to them. The teachers help the students in a hybrid or blended mode along with the online course instructor to grasp the concepts in a better manner. The assessments done by the MOOC platform is taken for assigning the grade. There is no additional offline assessment required to be done.

5. Assessment Strategy

5.1 The performance of a student in a semester shall be evaluated course-wise for a maximum of 100 marks in each type of course described in section 4.

5.2 The distribution of marks for Continuous Internal Evaluation (CIE) and the Semester End Examination (SEE), along with the minimum pass percentage, is given in Table 1. In addition, the detailed components of CIE and the SEE will be detailed in the course handout by the faculty course coordinators at the beginning of the course.

5.3 Detailed guidelines on assessment are given in the Assessment Strategy.

Course type	CIE		SEE		Min. Pass%* in SEE	Min. Pass%* in CIE+SEE
Exploratory / Experiential	80	Journal of Exploration/ Experience	20	Oral exam/ Viva voce/ Presentation	40	40
Theoretical	50	Written exams/ Quizzes/Class test/ Sessional tests – may be computer-assisted	50	Written exams – may be computer-assisted		
Lab-based-Practical	50	Conduct of experiments	50	Conduct of experiments / Oral exam/Viva voce		
Guided Inquiry (Problem-Based)	80	In class assessments (Quizzes/ Presentation/ Open-book test/ Team work/ Sessional)	20	Written exams – may be computer-assisted		
Projects	60	Presentations/ Achievements of milestones/teamwork	40	Presentation/Oral exam Report/ Journal		
MOOCs**	Adopted from the strategy of the MOOC					
Internships / On-the-Job training/certifications	Decided based on industry requirements					

Table 2: Assessment Strategy

**A relaxation of 10% of the maximum marks shall be given to physically challenged students.*

*** The total number of credits earned through MOOCs cannot exceed 5% of the total credits of the program. On receipt of the MOOCs completion certificate from the student, the University shall incorporate the marks/grades in the final mark sheet of the student, which counts for the award of the degree/diploma.*

i. If a student qualifies or completes the NPTEL examination in a given course shall be declared as having passed that course by the University.

ii. The NPTEL pass percentages should be considered as it is or, if required, need to be normalised to the University assessment.

5.4 The students can apply for the following services offered by the Examinations Branch by paying an additional fee.

5.4.1 Recounting:

The totaling of the marks awarded shall be verified in the answer script and corrected if there is any mistake.

5.4.2 Revaluation:

a. The answer scripts of the candidate applied for revaluation are evaluated by two subject experts independently other than the original valuer.

b. If the difference of marks between these two valuations is 15% or more (i.e., 7 marks out of a maximum of 50 marks), it will be sent for third valuation to another subject expert.

c. Nearest of two valuations out of three will be considered and the average of these two will be taken as the final marks obtained.

d. If the difference of the final marks after revaluation is ≥15% of the maximum marks (i.e., 7 marks out of a maximum of 50 marks) with a change in the grade, the new marks will be awarded to the student. Otherwise, there will be no change in the result.

5.4.3 Challenge Valuation:

a. A photocopy of the answer booklet shall be given to the student.

b. The paper will be evaluated in the presence of the student by a senior faculty member appointed by the University.

c. If the difference of the final marks after revaluation is ≥15% of the maximum marks (i.e., 7 marks out of a maximum of 50 marks) with a change in the grade, the new marks will be awarded to the student. Otherwise, there will be no change in the result.

d. If the difference of the final marks after challenge valuation is ≥15% of the maximum marks (i.e., 7 marks out of a maximum of 50 marks) with a change in the grade, the amount paid towards challenge valuation will be refunded. Otherwise, the student will forfeit the total amount that/she has paid.

5.4.4 Supplementary Examinations

a. Supplementary examination(s) in the failed courses shall be conducted as per the schedule given by the University. An additional fee is applicable for appearing in the supplementary examination.

b. A student who was eligible to appear for the semester end examinations in a course, but was absent / failed in that examination, may appear for the examination in that course during supplementary examinations. In such cases, CIE assessed earlier for that course will be carried over and added to the marks to be obtained in the supplementary examinations for evaluating his/her performance in that course.

c. If the concerned course is unavailable in the new regulations, the student shall have to appear for the examinations with the syllabus of equivalent course(s) prevailing for the regular students in that academic year. The equivalent course will be established by the concerned Head / Chairperson, Board of Studies (BoS) with the approval of Dean-Academic and Planning. However, if no such similar course is offered in the current regulation, the supplementary examination(s) shall be conducted with the same syllabus which is studied during regular course of study with extra fee as specified by the University from time to time.

d. In case of a student who failed in SEE (i.e., one regular) may be permitted to appear SEE for 100 marks by submitting an undertaking that he/she will forego secured CIE marks and can appear in the examination for 100 marks. Any absence or partial attendance during SEE shall be counted as an availed attempt.

5.5 **Academic Audit:**

The CIE marks awarded by the faculty members are subject to scrutiny and scaling by the university whenever/wherever necessary. In such cases, the CIE and laboratory marks awarded by faculty members

will be referred to an Academic Audit committee consisting of Chairperson BOS/Head of the Department, Dean Examinations/Controller of Examinations and the subject expert. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are submitted to the Vice Chancellor, whose decision is final. The laboratory records and internal test papers shall be preserved for a period of one year or as specified by University from time to time.

6. Passing Standards

6.1 A student shall be declared successful or 'passed' in a semester, only when he/she gets a SGPA ≥ 5.00 (at the end of that particular semester); and a student shall be declared successful or 'passed' in the entire UG Program, only when he/she gets a CGPA ≥ 5.00; subject to the condition that he/she secures a GP≥ 5 (C Grade or above) in every registered course in each semester.

6.2 After the completion of each semester, a grade card or grade sheet (or transcript) shall be issued to all the registered students of that semester, indicating the letter grades and credits earned.

6.3 It will show the details of the courses registered (course code, title, no. of credits etc.), grade earned, credits earned.

6.4 SGPA/CGPA at the end of each semester shall be awarded only if he/she passed all the courses up to end of that semester.

6.5 A student shall be declared successful or 'passed' in any non-credit course, if he/she secures a 'satisfactory participation certificate' for that mandatory course.

7. Attendance Requirements

7.1 A student is eligible to appear the Semester End Examinations (SEE) only if he/she acquires a minimum of 75% attendance in aggregate of all courses.

7.2 Subject to obtaining prior permission and approval from the Dean/HoD/ Competent authority and payment of condonation fee, relaxation in the attendance requirement (as in clause 7.1) may be given as specified in the table 3 below. The Condonation of shortage of attendance in aggregate up to 10% (≥65% and <75%) in each semester may be granted on:

Relaxation up to	Grounds	Prerequisite
10%	Medical exigency / emergency	Medical certificate from a certified medical practitioner
10%	Attending N.S.S/N.C.C Camps and/or inter collegiate and/or Inter University or Inter State / International sports tournaments and/or co-curricular activities of national or international importance	Prior approval from the competent authority and a valid certificate of participation
15%	Adult female students for pregnancy	Medical certificate from certified medical practitioner and approval from the Vice Chancellor

Table 3: Relaxation in Attendance requirements

7.3 Students who are not eligible (as given in sections 7.1 and 7.2) are declared as detained and are not qualified to register for SEE.

7.4 Detained students are required to seek re-admission (refer to section 9.2) into the corresponding semester in the subsequent academic session, within four weeks from the date of commencement of class work, with the academic regulations of the batch into which he/she get readmitted.

7.5 For all mandatory, non-credit courses offered in a semester, a student shall be declared successful or 'passed' if he/she secure≥75% attendance along with a 'satisfactory participation certificate' in such a course. Marks or letter grades shall not be allotted for these mandatory non-credit courses.

8. Grading System

8.1 Marks will be awarded to indicate the performance of each student in each theory course or practical/seminar/project/mini-project/summer internship, etc., based on the percentage of marks obtained in both CIE and SEE taken together as specified above, and a corresponding letter grade shall be given.

8.2 A 10-point absolute grading system using the following letter grades and corresponding percentage of marks is as given below in Table 4:

Letter Grade		Grade Points	% Marks secured Range	
O	Outstanding	10	≥90	100
A+	Excellent	9	≥80	<90
A	Very Good	8	≥70	<80
B+	Good	7	≥60	<70
B	Average	6	≥50	<60
C	Pass	5	≥40	<50
F	Fail	0	<40	-
Ab	Absent	0	-	-

Table 4: Letter Grades

8.3 A student obtaining an 'F' grade in any course shall be considered as 'failed' and will be required to reappear as a 'supplementary candidate' in the SEE, as and when conducted. In such cases, CIE in those course(s) will remain the same as those the student obtained earlier.

8.4 A letter grade does not imply any specific percentage of marks.

8.5 In general, a student shall not be permitted to repeat any course (s) only for the sake of 'grade improvement' or 'SGPA/CGPA Improvement'.

8.6 A student earns grade point (GP) in each course, on the basis of the letter grade obtained by him/her in that course (excluding mandatory non-credit courses). Then the corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular course.

Credit Points (CP) = Grade Point (GP) x Credits (for a course)

8.7 After successful completion of the course only, the students get GP ≥ 5 (C grade or above).

9. Promotion and Re-Registration Rules

9.1 The Rules of promotion is given in the table 5.

Promotion	Condition to be fulfilled
From I Year to II Year	50% of the total credits up to 1st year 2nd semester
From II Year to III Year	i. 60% of the total credits up to 2nd year 1st semester OR ii. 60% of the total credits up to 2nd year 2nd semester
From III Year to IV Year	i. 60% of the total credits up to 3rd year 1st semester OR ii. 60% of the total credits up to 3rd year 2nd semester

Table 5: Promotion Rules

9.2 The Re-Registration:

a. A student detained due to shortage of attendance in a semester may seek re-admission into the corresponding semester in subsequent academic session, within four weeks from the date of commencement of class work with the academic regulations of the batch into which he/she gets readmitted.

b. When a student is detained due to lack of credits in any year, he/she may be readmitted after fulfillment of the academic requirements, with the academic regulations of the batch into which he/she gets readmitted.

c. For readmitted candidates, if there are any professional electives / open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the set of elective courses offered under that category.

10. Eligibility for the Award of B. Tech / B. Tech (Hons.) / B. Tech (Minor)

A student shall be eligible for award of the B. Tech degree if he/she fulfills all the following conditions:

10.1 He/she should have registered and successfully completed all the components prescribed in the program of study to which he/she is admitted by securing 160 credits.

10.2 He/she have obtained CGPA greater than or equal to 5.0 (minimum requirements for pass).

10.3 He/she has no dues to the Institute, Hostels, Libraries, NCC / NSS etc.

10.4 No disciplinary action is pending against him/her.

10.5 A student will be eligible to get Undergraduate degree with Hons. or Minors (refer to Annexure V), if he/she completes an additional 18 credits and these extra credits could be acquired through MOOCs or any other online / offline courses recommended by the respective BoS and approved by the Academic Council (AC).

10.6 Those who fail to fulfill the above academic requirements shall forfeit their admission.

11. Award of Class

11.1 A student who registers for all the specified courses as listed in the program and secure the required number of 160 credits (with CGPA ≥ 5.0), shall be declared to have 'qualified' for the award of the B. Tech degree in the chosen branch of engineering as selected at the time of admission.

11.2 The CGPA can be converted to equivalent percentage of marks by using the following formula:

Percentage (%) of marks = (CGPA - 0.5) X 10

11.3 A student who qualifies for the award of the degree as listed in item 11.1 shall be placed in the following classes given in the table 6:

CGPA Range		Class	Condition
≥8.00	-	First Class with Distinction	• Should have passed all the courses in regular examinations and should complete the program in four years of time. • Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason. • The students who secure CGPA ≥8.00, but not fulfilling the conditions for **First Class with Distinction** shall be awarded **First Class** only.
≥6.50	<8.00	First Class	--
≥5.50	<6.50	Second Class	
≥5.00	<5.50	Pass Class	--

Table 6: Award of Class

12. Registration for additional courses of succeeding semester

12.1 A student is permitted to register for an additional theory course of the succeeding semester in the current semester, provided he/she shall have secured the CGPA ≥7.0 at the end of 2nd year 2nd semester.

12.2 Department(s) will issue a notification at the beginning of the semester to notify the registration process, course(s) to be offered, minimum number of students to be enrolled for course(s) and other information.

12.3 After registering for a course, a student shall attend the classes, to satisfy the attendance requirements for attending the SEE.

12.4 Any student may be barred from registering for any course for specific reasons like disciplinary reasons, non- payment of fees, etc.

12.5 Dropping of courses: Within four weeks after the commencement of the semester, the student may, in consultation with his/her faculty advisor, drop the registered course.

13. Provision for National or International Internships

A student who undertakes a national or international internship during the semester may be permitted to appear for the Semester End Examination (SEE) for 100 marks, subject to submission of a written undertaking stating that any previously secured Continuous Internal Evaluation (CIE) marks, if applicable, will be forfeited. The examination may be conducted either along with the regular SEE schedule or, if additional preparation time is warranted, a separate examination may be scheduled. The student shall be required to pay the examination fee as prescribed by the competent authority.

14. Exit Policy

14.1 The 4-year bachelor's degree program is considered a preferred option since it would provide the opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student. However, there is a multiple entry and exit points and re-entry options, with appropriate certifications in the chosen fields of study as per NCrF.

14.2 Academic Bank of Credits: A provision is given to the students to allow Credits awarded to a student for one program from an institution may be transferred / redeemed by another institution upon students consent. Students shall register on the ABC portal within six months from the date of admission.

15. Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of disciplinary action is pending against him/her, the result will be withheld, and he/she will not be allowed into the next semester. In such cases the matter will be referred to the Academic Council for final decision.

16. Transitory Regulations

16.1 Discontinued, detained, or failed candidates are eligible for readmission as and when next offered as per the university admission procedure.

16.2 Students on transfer shall complete the prescribed courses of the concerned program not covered earlier should take the remaining program along with others.

17. Termination from the program

The admission of a student to the program may be terminated in the following circumstances:

17.1 The student fails to satisfy the requirements of the program within the maximum period stipulated for the program.

17.2 The student fails to satisfy the norms of discipline specified by the university from time to time.

18. Amendments

The regulations hereunder are subject to amendments as may be made by Academic Council from time to time. Any or all such amendments will be effective from such date and to such batches of candidates (including those already undergoing the program).

II. Academic Regulations for B. Tech - Lateral Entry Scheme

(With effect from the students admitted from the Academic Year 2025-26)

19. Eligibility for the award of B. Tech. Degree (LES)

19.1 The LES candidates shall pursue a program of study for not less than three academic years and not more than five academic years.

19.2 The candidate should have registered for 120 credits and secured 120 credits by securing a minimum CGPA of 5.0 from II year I semester to IV year II semester of B. Tech Program (LES) for the award of degree.

19.3 The students, who fail to fulfill the requirement for the award of the degree in five academic years from the year of admission, shall forfeit their admission.

19.4 The students are also eligible for the award of B. Tech (Hons.) or B. Tech (Minors) as per section 10.

20. Promotion Rules for LES

20.1 A student shall be eligible for promotion in B. Tech program, if he/she acquires the minimum number of credits is given in the table 7:

Promotion	Condition to be fulfilled
From II Year to III Year	i. 50% of the total credits up to 2nd year 1st semester OR ii. 50% of the total credits up to 2nd year 2nd semester
From III Year to IV Year	i. 60% of the total credits up to 3rd year 1st semester OR ii. 60% of the total credits up to 3rd year 2nd semester

Table 7: Promotion Rules for LES

20.2 All the other regulations as applicable to B. Tech. 4-year degree program (Regular) will hold good for B. Tech (LES).

III. B. Tech 1st year program Structure

Artificial Intelligence

Artificial Intelligence & Machine Learning

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
7	ESE1125	Practical (PC)	Data Analytics Practices	0	0	2	1
Total				**11**	**1**	**16**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1201	Theoretical (BS)	Ordinary Differential Equations and Numerical Techniques	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMA1224	Practical (PC)	Generative AI	1	0	2	2
Total				**12**	**1**	**14**	**20**

Table 8: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in Artificial Intelligence and Artificial Intelligence & Machine Learning

* The Program structure and syllabus of 2nd, 3rd and 4th year will be made available on the http://anurag.edu.in in due course.

Civil Engineering

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
6	EMA1101	Theoretical (PC)	Engineering Mechanics - I	2	0	0	2
Total				**13**	**1**	**12**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1202	Theoretical (BS)	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMA1201	Theoretical (PC)	Engineering Mechanics - II	2	0	0	2
Total				**13**	**1**	**12**	**20**

Table 9: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in Civil Engineering

* The Program structure and syllabus of 2nd, 3rd and 4th year will be made available on the http://anurag.edu.in in due course.

Computer Science and Engineering

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
6	EMI1X24	MOOCS (PC)	Emerging Technologies	0	2	0	2
Total				**11**	**3**	**12**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1202	Theoretical (BS)	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
7	EVA1222	Exploratory (PC)	Problem Solving using Global Coding Platform	0	1	0	1
Total				**11**	**2**	**14**	**20**

Table 10: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in Computer Science and Engineering

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Computer Science and Engineering (Data Science)

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
7	ESE1125	Practical (PC)	Data Analytics Practices	0	0	2	1
Total				**11**	**1**	**16**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1201	Theoretical (BS)	Ordinary Differential Equations and Numerical Techniques	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMI1206	Theoretical (BS)	Statistical foundations for Data Science	2	0	0	2
Total				**13**	**1**	**12**	**20**

Table 11: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in CSE (Data Science)

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Computer Science and Engineering (Cyber Security)

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
7	EMA1120	Exploratory (PC)	Essentials of Cyber Security	1	0	0	1
Total				**12**	**1**	**14**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1201	Theoretical (BS)	Ordinary Differential Equations and Numerical Techniques	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
4	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMA1207	Practical (PC)	Linux Programming	1	0	2	2
Total				**12**	**1**	**14**	**20**

Table 12: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in CSE (Cyber Security)

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Electrical and Electronics Engineering

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
4	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
5	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
6	EMA1107	Theoretical (PC)	Energy, Environment and Sustainability	2	0	0	2
Total				**13**	**1**	**12**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1202	Theoretical (BS)	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMA1206	Theoretical (PC)	Electrical Circuits	2	0	0	2
Total				**13**	**1**	**12**	**20**

Table 13: Program Structure of 1st year 1st Semester and 2nd Semester of B. Tech. in Electrical and Electronics Engineering

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Electronics and Communication Engineering

Electronics and Computer Engineering

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
6	EMA1107	Theoretical (PC)	Energy, Environment and Sustainability	2	0	0	2
Total				**13**	**1**	**12**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1202	Theoretical (BS)	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
7	EMA1223	Exploratory (PC)	Familiarization of Electronic Components and Instruments	0	1	0	1
Total				**11**	**2**	**14**	**20**

Table 14: Program Structure of 1st year 1st Semester and 2nd semester of B. Tech. in Electronics & Communication Engg. and Electronics and Computer Engineering

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Information Technology

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
6	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
7	EMA1119	Exploratory (PC)	Essentials of Information Technology	1	0	0	1
Total				**12**	**1**	**14**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1201	Theoretical (BS)	Ordinary Differential Equations and Numerical Techniques	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
4	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
5	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
6	EMA1207	Practical (PC)	Linux Programming	1	0	2	2
Total				**12**	**1**	**14**	**20**

Table 15: Program Structure of 1st year 1st Semester and 2nd semester of B. Tech. in Information Technology

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

Mechanical Engineering

1st year 1st semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1101	Theoretical (BS)	Linear Algebra and Calculus	3	1	0	4
2	EMD1X06	Theoretical & Practical (BS)	Engineering Chemistry	3	0	2	4
3	EAE1X02	Theoretical & Practical (HS)	Empowering with English Language Skills	2	0	2	3
4	EMA1102	Theoretical & Practical (ES)	Programming in C	3	0	2	4
5	EVA1121	Exploratory (ES)	Joy of Engineering - I	0	0	6	3
6	EMA1105	Theoretical (PC)	Engineering Mechanics	2	0	0	2
Total				**13**	**1**	**12**	**20**

1st year 2nd semester							
S.No	**Code**	**Category**	**Course Title**	**Hours/Week**			**Credits**
				Lecture	Tutorial	Practical	
1	EMI1202	Theoretical (BS)	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2	EMD1X07	Theoretical & Practical (BS)	Engineering Physics	3	0	2	4
3	EMA1204	Theoretical & Practical (ES)	Data Structures	3	0	2	4
4	EAE1X23	Practical (HS)	Effective Communication Skills	0	0	2	1
5	EMI1X04	Theoretical & Practical (ES)	Basic Electrical and Electronics Engineering	2	0	2	3
6	EVA1221	Exploratory (ES)	Joy of Engineering - II	0	0	6	3
7	ESE1222	Practical (PC)	Engineering Graphics	0	0	2	1
Total				**11**	**1**	**16**	**20**

Table 16: Program Structure of 1st year 1st Semester and 2nd semester of B. Tech. in Mechanical Engineering

* The Program structure and syllabus of the 2nd, 3rd and 4th year will be made available on http://anurag.edu.in in due course.

ANNEXURE – I: Calculation of Grade Point Average

1. SGPA and CGPA

The credit index can be used further for calculating the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA), both of which being important performance indices of the student. While SGPA is equal to the credit index for a semester divided by the total number of credits registered by the student in that semester, CGPA gives the sum total of credit indices of all the previous semesters divided by the total number of credits registered in all these semesters. Thus, the Grade Point Average (GPA) will be calculated according to the formula:

$$GPA = \frac{\sum C_i G_i}{\sum C_i}$$

Where C_i = number of credits for the course i,

G_i = grade points obtained by the student in the course.

Semester grade point average (SGPA) is calculated up to second decimal point and it is calculated only when all courses in that semester are cleared / passed.

$$SPGA = \frac{\sum[(\text{Course credits}) \times (\text{Grade points})]}{\sum[\text{Course credits}]}$$

To arrive at cumulative grade point average (CGPA), the formula is used considering the student's performance in all the courses taken in all the semesters completed up to the particular point of time. CGPA is rounded off to TWO decimal places.

$$CPGA = \frac{\sum[(\text{Course credits}) \times (\text{Grade points})]}{\sum[\text{Course credits}]}$$

CGPA is thus computed from the I Year First Semester onwards, at the end of each semester, as per the above formula. However, the SGPA of I year I semester itself may be taken as the CGPA, as there are no cumulative effects.

2. An Illustrative Example

An illustrative example given below indicates the use of the above two equations in calculating SGPA and CGPA, both of which facilitate the declaration of academic performance of a student, at the end of a semester and at the end of successive semesters, respectively.

Year and Semester	Course No.	Credits	Grade	Grade Points	Credit Points
I Year I Sem.	XX101	4	A	8	32
I Year I Sem.	XX102	4	B	6	24
I Year I Sem.	XX103	4	A+	9	36
I Year I Sem.	XX104	4	A	8	32
I Year I Sem.	XX105	1.5	O	10	15
I Year I Sem.	XX106	1.5	A+	9	13.5
Total		**19**			**152.5**
	SGPA = 152.5/19 = 8.03			**CGPA = 8.03**	
I Year II Sem.	XX107	4	B+	7	28
I Year II Sem.	XX108	3	A	8	24
I Year II Sem.	XX109	3	B	6	18
I Year II Sem.	XX110	4	C	5	20
I Year II Sem.	XX111	2	A+	9	18
I Year II Sem.	XX112	1.5	O	10	15
I Year II Sem.	XX113	1.5	O	10	15
Total		**19**			**138**
SGPA= 138/19 = 7.26					
		CGPA = (152.5+138)/(19+19) = 7.64			

Table 17: An example of SGPA and CGPA calculation

If two students get the same CGPA, the tie should be resolved by considering the number of times a student has obtained higher SGPA; But, if it is not resolved even at this stage, the number of times a student has obtained higher grades like O, A, B etc. shall be taken into account in rank ordering of the students in a class.

ANNEXURE – II: Disciplinary Action against Students – Provisions

1.1 Student's behavior and discipline will be assessed and will receive the same attention as the academic work. Discipline includes the observance of good conduct and orderly behavior by the students of the University.

1.2 All students pursuing a Program at the University shall observe code of conduct and maintain discipline and must consider it as a duty to behave decently at all places.

1.3 Every student shall always carry the Identity card issued by the University. Every student shall have to produce or surrender the identity card, as and when required by the proctorial staff, teaching and library staff and the officials of the university. The loss of the identity card, whenever it occurs, shall immediately be reported in writing to the Registrar.

1.4 Any violation of the code of conduct or breach of any rules and regulations of the University is construed as an act of indiscipline and shall make him / her liable for disciplinary action.

1.5 The following acts are treated as gross indiscipline.

a) Disobeying the teacher/officials or misbehaving in the class.

b) Quarrelling or fighting in the University campus or in the hostels amongst themselves, or indulging in any activity which amounts to ragging or harassment of other students.

c) Quarrelling or fighting with a university employee(s) or any other public utility functionaries in the campus.

d) Indecent behavior in the campus or outside causing inconvenience to others.

e) Visiting socially unacceptable websites, smoking or consuming liquor or banned substances like drugs etc.

f) Damage to the University property.

g) Indulging in acts of theft, forgery, stealing and misappropriating.

h) Any other activity that defames the University:

i. Use of mobile in the class/academic area.

ii. Irregularity in attending classes, persistent idleness, negligence or indifference towards the work assigned.

iii. Any other conduct which is considered to be unbecoming of student.

ANNEXURE – III: Rules for Students Conduct and Behavior in Campus and Outside

The rules and regulations, academic calendar shall be provided to students. In general, Dean - Student Affairs will deal with the welfare and discipline of all students in the campus including Hostel and also outside the campus and will ensure maintenance of good conduct. He/she will be assisted by other members of faculty/ staff/ wardens as nominated.

1. Conduct and Behavior:

- Students should attend all their classes and strictly observe class timings. They should likewise carry out other out-door and extracurricular duties assigned to them. Their attendance and leave are governed by the regulations pertaining to them.
- Students must give their undivided attention to their academic work and must be respectful to their teachers and supervisors.
- Students must conduct themselves with due decorum in the classes, laboratories, library etc. and move in an orderly and disciplined manner in the campus.
- Students should not indulge in abusive behavior/ violence of any kind with fellow students, teaching faculty and employees of the University within or outside the University. Violence by any student or group of students will lead to severe disciplinary action.
- No meeting of the students other than those organized under the aegis of the various recognized students' activities shall be called without the prior permission in writing from the Dean, Student Affairs.
- Neither meetings/functions within the University campus shall be organized nor an outsider addresses the students without the prior permission in writing from the Registrar.
- No students shall use unfair means at any of the examinations and tests or attempt or threaten the staff to get undue advantage.
- Students must pay all fees and other dues on specified dates. If they do not do so, they render themselves liable to penalties as in force from time to time.
- Students must take good care of all University property. Any damage to university property shall be viewed as indiscipline. Such students, in addition to facing the disciplinary action, shall have to replace the damaged property and make good the losses caused due to their action. Students must use the furniture and fittings with due care and must not deface buildings, roads, furniture and fittings etc. in any manner.
- Students must handle the laboratory equipment, instruments and machinery with great care. Any damage or breakage of such equipment etc., due to improper use and negligent handling will have to be made good by the students concerned.
- Ragging in any form is unlawful and strictly prohibited. If a student is found in ragging activity, he/she shall be punished as per the Anti-Ragging Act.
- The University shall have a zero-tolerance policy towards Ragging and shall lay down strict guidelines on the same as per policies of the UGC in vogue and in compliance to directions of Hon'ble Supreme Court.

- Mobile/cellular phone shall be kept in silent mode during the classes and violation will lead to confiscation of the mobile phone.
- All the students are required to observe the decorum in the dress code as prescribed by the University. Students not adhering to the prescribed dress code may be denied entry to the University campus;
- Smoking, consumption/possession of liquor, intoxicants, drugs, cigarettes, hookah etc., inside or outside the Campus is strictly prohibited. Any violation will invoke severe penalty including rustication from the Hostel/University.

2. Policy to prevent Sexual Harassment:

- The University shall be committed to treating every employee and student with dignity and respect. It shall seek to create a work environment that is free from sexual harassment of any kind, whether verbal, physical or visual;
- A policy shall be prescribed by the University to provide guidelines for prompt redressal of complaints related to sexual harassment which should be in full compliance with "The Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redressal)" Act, 2013;
- All references / complaints and redressal mechanism pertaining to any matter will be handled within the ambit of the said Act and the Rules framed there under. The policy so prescribed shall be communicated to all employees and students.

3. Grievance and Redressal Mechanisms:

- The University shall constitute various Grievance and Redressal committees and its guidelines as specified by the statutory authorities of the University.

ANNEXURE – IV: Rules against Malpractices

S.No	Nature of Malpractice or Improper conduct during examinations	Rules against Malpractices
	If the candidate:	
1 (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the course of the examination (theory or practical) in which he/she is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the course of the examination)	Expulsion from the examination hall and cancellation of the performance in that course only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones, wearable devices with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that course only of all the candidates involved. In case of an outsider, he/she will be handed over to the police and a case is registered against him/her.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers, cell phones, wearable devices or any other form of material relevant to the course of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the courses of that semester/year. The hall ticket of the candidate is to be cancelled.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the courses of the examination (including practical and project work) already appeared and shall not be allowed to appear for examinations of the remaining courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all Semester end examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he/she will be handed over to the police and a case is registered against him/her.

S.No	Nature of Malpractice or Improper conduct during examinations	Rules against Malpractices
4	Exchange the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination. Takes away answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that course and all the other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all SEEs. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks	Cancellation of the performance in that course.
6	Refuses to obey the orders of the Chief Superintendent / Assistant Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty inside or outside the examination hall or causing any injury to himself / herself or to any others or threatens whether by words, either spoken or written or by signs or by visible representation, assaults the officer in-charge, or any person on duty in or outside the examination hall or any others, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	They shall be expelled from examination halls and cancellation of their performance in that course and all other courses the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the courses of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case will be registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears the script or any part-thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that course and all the other courses the candidate has already appeared including practical examinations and project work & shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all semester examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and

S.No	Nature of Malpractice or Improper conduct during examinations	Rules against Malpractices
		project work and shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred and forfeits these at.
9	Who is not a candidate for the particular examination or any person not connected with the University indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the University will be handed over to police and, a police case will be registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that course and all other courses the candidate has appeared including practical examinations and project work of that semester/year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the malpractice committee for further action on suitable punishment as per rules.	

Table 18: Rules against Malpractice

ANNEXURE – V: Definitions

In these Regulations, unless the context otherwise requires:

1. Academic Year: Two consecutive (one odd+one even) semesters constitute one academic year.
2. Semester: Each semester shall consist of 16 weeks of instruction. The odd semester may be scheduled from June to November and even semester from December April/May.
3. Program: An academic program of the University.
4. Course: Usually referred to, as a 'subject' is a component of a program. All courses need not carry the same weightage. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training/ viva/ seminars/ term papers/ assignments/ presentations/ self- study etc., or a combination of some of these.
5. Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work field work per week.
6. Credit Point: It is the product of grade point and number of credits for a course.
7. Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.
8. Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters i.e., O, A+, A, B+, B and F.
9. Semester Grade Point Average (SGPA): It is a measure of academic performance in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
10. Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student. The CGPA is the ratio of total credit points secured by a student in all semesters and the sum of the total credits. It shall be expressed up to two decimal places.
11. Honors: To facilitate the students to choose additional courses by deep dive into emerging areas in their own discipline. The Honors program shall be offered by the parent/allied department. For example, a student of ECE may opt Honors program in VLSI offered by the ECE department.
12. Minor: Students, who are desirous of pursuing their special interest areas other than their branch of engineering, may opt for additional courses in minor specialization offered by a department other than their parent department. Eligible students shall select the stream of courses offered by the respective departments and earn a Minor degree. For example, a student of CSE may opt Minor program in Smart City Planning offered by Civil Engg., department.
13. Transcript or Grade Card or Certificate: Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.
14. The academic regulations should be read as a whole for the purpose of any interpretation.
15. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor is final.

Assessment Strategy for 1st year B. Tech. program for the Academic Year 2025-26

1. Evaluation of Theory Courses - CIE:

1.1 The evaluation components of CIE for Theory courses are given in Table 19.

Table 19. Evaluation Components of CIE for Theory courses

CIE Component	When?	Max. Marks	Duration (minutes)
Midterm - I	After completion of syllabus of Unit I and Unit II at the end of six weeks of instruction	20	60
Midterm – II	After completion of syllabus of Unit III and Unit IV at the end of 12 weeks of instruction	20	60
Other evaluations	After completion of syllabus of Unit V. A minimum of one evaluation needs to be conducted during the course and documented.	10	30

Note: Total Continuous Internal Evaluation (CIE) shall be conducted for 50 marks (20+20+10).

1.2 The format of the midterm evaluation shall be as given in Table 20.

Table 20. Midterm evaluation format of CIE for Theory courses

Section	Type	Bloom's taxonomy level	No. of Test Items (TI)	Each TI carries (marks)	Max. Marks
A	Short answer type	Remembering, Understanding, Applying	Eight (no choice)	1	8
B	Subjective	Applying, Analyzing, Evaluating	Six (students will be given choice to attempt any four)	3	12
Students who choose to attempt section C which is optional, can skip any two questions of section B.					
C	Subjective	Evaluating / Creating	Two from the entire syllabus, and the students shall be given a choice to attempt any.	6	6
				Total Marks	**20**

1.2.1 Guidelines for preparing TIs.

a. **Instructions for preparing TIs for Section A**: These TIs can be of MCQ type, fill in the blanks type, short answer type. These TIs will be used to make Section A of the Sessional Test Paper. They should be based on first three levels of Bloom's taxonomy (Remember, Understand, Apply). In addition:
   i. At least two questions should be based on computation / derivation
   ii. At least two questions should be memory based
   iii. At least two questions should be picture / equation / diagram based
   iv. At least two questions should be cause – effect / reasoning
   v. Avoid using 'What / Define / Derive / State' kind of straight question key words.

b. **Instructions for preparing TIs for Section B**: These TIs should be based on the higher three levels of Bloom's taxonomy (Applying, Analyzing, Evaluating). If required, these TIs can be split into parts a) and b). These TIs will be used to create Section B of the Sessional Test. In addition:
   i. At least one question should be based on picture / graph / block diagram / circuit diagram/ code / Equations
   ii. At least one question should be based on analysis / interpretation of a situation / case / scenario
   iii. At least one question should require mathematical computation / derivation / deduction / application of formulae / concept
   iv. At least one question should be based on troubleshooting / error finding

v. None of the questions should be at remembering and understanding levels
vi. None of the questions should start with “State and Explain” / “Write short Note on” / “Elaborate” kind of straight question key words.

c. **Instructions for preparing TIs for Section C** (This will be an optional section): These TIs will be based on highest level of Bloom’s taxonomy (Creation / Synthesis). Students need to attempt one question out of the given two. In addition:
i. At least one question should require designing /creating / developing solutions from the set of given data
ii. At least one question should be scenario-based presentation of problem with a set of smaller questions requiring higher order analysis / critical analysis of given situation followed by presentation of facts and figures

1.3 Other evaluations may include, Guided Inquiry/Seminar/Quiz/Open book assessment/Project based learning/ Presentation/Surprise test/ Participatory learning/Group Activities, etc.

2. Evaluation of Practical Courses - CIE:

The CIE evaluation components of Practical courses are given in Table 21.

Table 21. Evaluation Components of CIE for practical courses

CIE Component	When?	Max. Marks	Assessment Criteria
Experimentation, Record, Viva-voce	Day to day evaluation	20	Average of all such practical sessions shall be taken as the final marks secured by a candidate
Skill test (90 minutes duration)	During 9^{th} to 12^{th} week of instruction	30	The average of the two such evaluations shall be taken as the final marks secured by a candidate

3. Evaluation of Theory Courses – SEE:

The SEE for Theory courses shall be conducted for 50 marks for a duration of 150 minutes. The format of the SEE evaluation is as given in Table 22.

Table 22. Evaluation format of SEE for Theory courses

Section	Type	Bloom’s taxonomy level	No. of Test Items (TI)	TIs to be attempted	Marks for Each TI	Max. Marks
A	MCQ, short answer type, Fill in the blanks, etc.	Remembering, Understanding, Applying	10 (Two from each unit)	10	2	20
B	Subjective	Applying, Analyzing, Evaluating	10 (Two from each unit and the students shall be given an internal choice to attempt either of the questions)	5	6	30
Students who choose to attempt the section C which is optional, can skip any two questions of Section B.						
C	Subjective	Evaluating / Creating	2 (From the entire syllabus)	1	12	12
					Total Marks	**50**

4. Evaluation of Practical Courses – SEE:

The practical SEE shall be conducted for 50 marks by the laboratory faculty member as an Examiner – I and another faculty member of the department acts as an Examiner - II. The details are given in Table 23.

Table 23. Evaluation Components of SEE for Practical Courses

SEE Component	Max. Marks
Experimentation	30
Viva-voce	10
Record	10

5. Evaluation of Exploratory Courses

5.1 Joy of Engineering:

Joy of Engineering – I and Joy of Engineering – II courses shall be conducted CIE for 80 marks and SEE for 20 marks.

Table 24. Course Modules and Evaluation Components for CIE and SEE

Module number	Module name	Session duration (in hours)	Number of sessions/semester
1	Making Initiative	6 hours	3
2	Breaking Initiative	6 hours	3
3	Additive Manufacturing	6 hours	3
4	Social Immersion	6 hours	3
5	Design thinking, Innovation and Entrepreneurship	6 hours	3

CIE/SEE	Assessment component	When?	Marks
CIE	Audio – Video Memoire I	After session 2 of each module	40 (25 marks for group work and 15 marks for individual performance)
	Audio – Video Memoire II	After Session 3 of each module	40 (25 marks for group work and 15 marks for individual performance)
SEE	Written "Journal of Exploration"	Semester End	20 (Individual performance)
Overall	Each module will be assessed for 80 marks for CIE and an average will be taken. Similarly, each module will be assessed for 20 marks for SEE and average will be taken.		

5.2 Problem Solving using Global Coding Platform:

Problem Solving using Global Coding Platform course shall be conducted CIE for 80 marks and SEE for 20 marks.

Table 25. Evaluation Components for CIE and SEE

CIE/SEE	Assessment component	When?	Marks
CIE	Exploration of Tools / Problem Solving	After the completion 7 weeks	40
	Exploration of Tools / Problem Solving	After the completion of 15 weeks	40
SEE	Viva voce	Semester End	20
Overall	CIE assessments will be taken for 80 marks and SEE for 20 marks		

5.3 Essentials of Cyber Security:

Essentials of Cyber Security course shall be conducted CIE for 80 marks and SEE for 20 marks.

Table 26. Evaluation Components for CIE and SEE

CIE/SEE	Assessment component	When?	Marks
CIE	Assignment / Exploration of Tools	After the completion of Unit II	40
	Exploration of Tools / Assignment	After the completion of Unit IV	40
SEE	Written Journal of Exploration	Semester End	20
Overall	CIE assessments will be taken for 80 marks and SEE for 20 marks		

5.4 Essentials of Information Technology:

Essentials of Information Technology course shall be conducted CIE for 80 marks and SEE for 20 marks.

Table 27. Evaluation Components for CIE and SEE

CIE/SEE	Assessment component	When?	Marks
CIE	Quiz / Assignment	After the completion of Unit II	40
	Skill Test	After the completion of Unit IV	40
SEE	Skill Test	Semester End	20
Overall	CIE assessments will be taken for 80 marks and SEE for 20 marks		

5.5 **Familiarisation of Electronic Components and Instruments:**

The course on the Familiarisation of Electronic Components and Instruments shall be conducted with CIE for 80 marks and SEE for 20 marks.

Table 28. Evaluation Components for CIE and SEE

CIE/SEE	Assessment component	When?	Marks
CIE	Quiz / Oral Test / Presentation	After completion of each unit	80
SEE	Viva-voce	Semester End	20
Overall	CIE will be assessed for each unit and an average will be taken. Viva-voce will be conducted as a SEE for 20 marks		