

# Academic Regulations (AU-R22) for Bachelor of Technology (B. Tech)

(Applicable for the students admitted from the Academic year 2022-23 onwards)

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**ANURAG UNIVERSITY**

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## **Academic Regulations for B. Tech. (Regular) Program**

**(With effect from the students admitted from the Academic Year 2022-23)**

### **1. Title and Duration of the Program**

- 1.1 The program shall be called the Undergraduate (UG) Program in Bachelor of Technology, abbreviated as B. Tech.
- 1.2 The B. Tech program duration shall be four academic years divided into eight semesters and each semester having 16 weeks of instruction. In case of students admitted through lateral entry scheme (LES) into II year I semester of B. Tech., the duration shall be three academic years divided into six semesters.
- 1.3 Students admitted to the B. Tech. program shall have to complete the course of study within a maximum time frame of 6 years (4+2 years) from the year of admission and students admitted through LES shall have to complete the course of study within a maximum time frame of 5 years (3+2 years) from the year of admission. Relaxation sought on genuine grounds will be referred to the Board of Management.

### **2. Admission Procedure**

- 2.1 A candidate for admission into the B. Tech program in Engineering must have passed the Intermediate Examination of the Board of Intermediate Education, Government of Telangana with Mathematics, Physics and Chemistry as optional courses, or any other examination recognized by the Anurag University as equivalent thereto.
- 2.2 All the eligible applicants satisfying 2.1 shall be governed by the following admission policy:

Note: The Anurag Group of Institutions (AGI) has transformed into Anurag University (AU) under the Telangana State Private Universities Act (Establishment and Regulations) No.11 of 2018 Dt. 20 May, 2020) under brown field category.

S.No	Academic Program Category	Entrance Test	Rule of Reservation	Fee Structure (Tuition and other fee)
1	Programs existing in AGI up to the academic year 2019-20	Admissions to the programs with branch codes 01, 02, 03, 04, 05, 08 & 12 will be based on the ranks obtained in the State Common Entrance Test (TSEAMCET / any other test) conducted by the Govt. of Telangana.	As per the State Govt. reservation policy.	As fixed by Telangana Admission and Fee Regulatory Committee (TAFRC).
2	Programs started by AU from the Academic Year 2020-21	Admissions to the programs with branch codes 06, 07, 09 & 10 will be based on the ranks obtained in the Anurag University Common Entrance Test, or JEE / Central or State Level Entrance Tests or any other test as prescribed by the Governing Body of AU.	As per the Section 33 of the Telangana State Private Universities Act No. 11 of 2018, and Rule 10 of the G.O.Ms. No. 26 [Higher Education (UE.1) Department], Dt. 20-08-2019	As specified by AU from time to time as per the Act.

### 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
Artificial Intelligence & Machine Learning	07
Chemical Engineering	08
Computer Science Engineering (Cyber Security)	09
Computer Science Engineering (Data Science)	10
Information Technology	12

### 4. Credits

4.1 The following is the credit allocation table.

Course	Credits
1 Hour Lecture (L) per week	1
1 Hour Tutorial (T) per week	1
2 Hour Practical (P) per week	1
Mini project	2
Comprehensive Viva-Voce	2
Seminar	2
Project	10

## 5. Distribution and Weightage of Marks

- 5.1 The performance of a student in a semester shall be evaluated course-wise for a maximum of 100 marks in each theory and practical course. In addition, industry-oriented mini-project, seminar, comprehensive viva-voce and project work shall be evaluated for 100 marks each.
- 5.2 The distribution of marks for Continuous Internal Evaluation (CIE) and the Semester End Examination (SEE) along with the minimum pass percentage shall be as follows:

Course	CIE	SEE	* Min. Pass Percentage in SEE	* Min. Pass Percentage in CIE + SEE
Theory	50	50	40	40
Laboratory / Practicals	50	50	40	40
Industry Oriented mini-Project	0	100	40	40
Seminar presentation	100	0	-	40
Comprehensive viva-voce	0	100	40	40
Project Work	50	50	40	40

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

### 5.3 Continuous Internal Evaluation (CIE) for theory courses:

- 5.3.1 The CIE has two components namely, **Midterm examinations** and **Other Evaluations**.
- i. **Midterm examinations (30 marks):**
- a. For theory courses, there shall be two midterm examinations as part of CIE. Each midterm examination shall be conducted for a duration of 90 minutes for 30 marks and the question paper consists of Part-A (short answers) for 12 marks and Part-B (Long Answers) for 18 marks. Part-A shall contain 12 short

answer questions for 12 marks and Part-B shall contain 5 questions of which student has to answer 3 questions; each question carries 6 marks.

- b. The first midterm examination shall be conducted for 2.5 units of syllabus at the end of 8 weeks of instruction and the second midterm examination shall be conducted for remaining 2.5 units at the end of 16 weeks of instruction.
- c. There may be an optional makeup examination conducted by an instructor if it is deemed appropriate. However, the instructor shall take the prior approval of the Dean of the concerned school. In such cases, the makeup examination marks shall be replaced with original marks secured by the student.
- d. The average of the two midterm examinations shall be taken as the final marks secured by each candidate. Zero marks shall be assigned if the student is absent.

**ii. Other Evaluations (20 marks):**

- a. The other evaluations can be any of the following:  
Assignment / Seminar / Project based learning / Presentation / Quiz / Open book assessment / Surprise test / Participatory learning / Group Activities, etc. A minimum of two evaluations needs to be conducted and documented.
- b. The distribution of weightage for various evaluation components will be mentioned by the faculty offering the course in the course handout at the beginning of the semester with the approval of the Head of the Department.
- c. The average of the best of at least two such evaluations shall be taken as the final marks secured by each candidate.

**5.4 Semester End Examinations (SEE) for theory courses:**

- 5.4.1 The semester end examination shall be conducted for 50 marks for the duration of 150 minutes.
- 5.4.2 The question paper consist of two parts, Part-A (10 marks) and Part-B (40 marks).



5.4.3 Part-A is consists of five questions (numbered from 1 to 5), one question from each unit carrying 2 marks each.

5.4.4 Part-B consists of five questions (numbered from 6 to 10) shall be set by covering one question (may contain sub-questions) from each unit of the syllabus carrying 8 marks each. For each question, there shall be an internal choice (that means there shall be two questions from each unit and the student has to answer any one of them).

## 5.5 **Practical courses**

5.5.1 For practical courses, there shall be a CIE during a semester for 50 marks and SEE for 50 marks. Out of the 50 marks for CIE, day-to-day work in the laboratory shall be evaluated for 30 marks and internal practical examination shall be evaluated for 20 marks conducted by the laboratory teacher concerned. The SEE carries 50 marks.

5.5.2 Components of day-to-day evaluation:

- a. Preparation for Lab – 10 marks
- b. Observation – 10 marks
- c. Completion of Experiment – 5 marks
- d. Record – 5 marks
- e. Before the end of the instruction, a skill test shall be conducted for 20 marks.

5.5.3 The practical SEE shall be conducted for 50 marks with an external examiner along with one internal examiner. The external examiner shall be appointed by the Dean Examinations from the list of panel of examiners approved by the Vice- Chancellor.

5.5.4 Evaluation pattern for Quantitative Aptitude and Reasoning, Verbal Ability and Critical Reasoning:

As part of CIE, there shall be 14 proctored on-line tests conducted for 50 marks each. The student has to answer 50 objective type questions within a duration of

60 minutes. Each question carries one mark. The average of the best of the seven online tests shall be taken as the final marks secured by each candidate.

The SEE will be conducted for 50 marks in on-line proctored mode. The student has to answer 100 objective type questions within a duration of 120 minutes. Each question carries half mark.

**5.6 Industry-oriented mini-Project:**

There shall be an industry-oriented mini-Project, to be taken up during the vacation after III year II semester examinations. However, the mini- project and its report shall be evaluated in IV year I semester. The industry oriented mini project shall be submitted in report-form and should be presented before the committee, which shall be evaluated as SEE for 100 marks. The committee consists of the Head of the Department, Supervisor and a senior faculty member. There shall be no CIE marks for industry oriented mini-project.

**5.7 Seminar presentation:**

There shall be a seminar presentation in IV year II semester. For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his/her understanding of the topic, and submit it to the Department. It shall be evaluated by the committee consisting of Head of the Department, seminar Supervisor and a senior faculty member. The seminar report shall be evaluated as CIE for 100 marks.

**5.8 Comprehensive viva-voce:**

There shall be a comprehensive viva-voce in IV year II semester. The comprehensive viva-voce shall be conducted by a committee consisting of the Head of the Department and two senior faculty members of the department. The comprehensive viva-voce is intended to assess the students understanding of the courses studied

during the B. Tech. program. The comprehensive viva-voce is evaluated as SEE for 100 marks.

#### 5.9 **Project Work:**

Out of a total of 100 marks for the project work, 50 marks shall be for CIE and 50 marks for the SEE. The CIE shall be based on two seminars given by student on the topic of his/her project. The SEE (viva-voce) shall be conducted by a committee consisting of:

- (i) External examiner appointed by Dean (Examinations) on the recommendation of Chairperson, BOS,
- (ii) Head of the department,
- (iii) Supervisor of the project and
- (iv) A senior faculty member of the department. The evaluation of project work shall be conducted at the end of the IV year II semester.

5.10 The Laboratory marks and the CIE awarded by the faculty are subject to scrutiny and scaling by the University whenever/wherever necessary. In such cases, the CIE and laboratory marks awarded by the teacher will be referred to a committee consisting of Chairperson BOS / Head of the Department, Dean Examinations / COE 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 and his decision is final. The laboratory records and internal test papers shall be preserved for a period of two years or as specified by the University from time to time.

#### 5.11 **Recounting:**

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

### 5.12 **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, 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  $\geq 15\%$  of the maximum 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.

### 5.13 **Challenge Valuation:**

The candidates who have applied for revaluation and not satisfied with the result are only eligible to apply for challenge valuation by paying the prescribed fee in the form of DD payable to the Registrar, Anurag University.

- a. On receipt of the DD, 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 there is any change in the marks  $\geq 15\%$  of the maximum marks, the new marks will be awarded to the student. Otherwise, there will be no change in original secured marks.
- d. If the change in marks (equal or above 15% of the maximum marks) occurs, the amount paid towards challenge valuation will be refunded. Otherwise, the student will forfeit the total amount which he/she has paid.

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## 6. Attendance Requirements

- 6.1 A student is eligible to write the Semester end examinations only if he/ she acquire a minimum of 75% attendance in aggregate of all courses.
- 6.2 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted on medical grounds after submission of required certificate from a medical doctor as approved by the Academic Council.
- 6.3 A stipulated fee shall be payable towards condonation of shortage of attendance.
- 6.4 Shortage of attendance below 65% in aggregate shall not be condoned.
- 6.5 However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Vice-Chancellor may condone the deficiency in attendance to the extent of 15% (as against 10% condonation for others) on medical grounds subject to submission of medical certificate to this effect. Such condonation shall not be availed twice during the program of study.
- 6.6 Students whose shortage of attendance is not condoned are not eligible to write semester end examinations of that semester. Such students are detained and their registration for examination stands cancelled.
- 6.7 A student detained due to shortage of attendance in a semester may seek re-admission into that semester, as and when offered, within four weeks from the date of commencement of class work with the academic regulations of the batch into which he/she gets re-admitted.
- 6.8 A student will be promoted to the next semester if he/she satisfies the attendance requirement of the present semester and shall not be eligible for readmission into the same semester.
- 6.9 For all mandatory, noncredit courses offered in a semester, a student shall be declared successful or 'passed', if he/she secures  $\geq 75\%$  attendance in such a

course. A 'satisfactory participation certificate' for that mandatory course will be issued and no marks or letter grade shall be allotted.

6.10 Attendance of N.S.S/N.C.C Camps or Inter collegiate or Inter University or Inter State or International matches or debates or such other inter university activities as approved by the authorities, will be taken into consideration while calculating the attendance. Up to a maximum of 10% relaxation given, if the student represents the University / State / Country in any extra / co-curricular activities.

- i. Such leave should be availed with prior permission from the Dean School of Engineering and not be availed more than twice during the program of study.
- ii. Without any prior permission, such leave shall be treated as absence.
- iii. While calculating the attendance, the no. of classes not attended in each course should be deleted in the denominator.

## 7. Promotion Rules:

7.1 The Rules of promotion are as follows.

Promotion	From I Year to II Year	From II Year to III Year	From III Year to IV Year
Condition to be fulfilled	50% of the total credits up to I year II semester	60% of the total credits up to II year I semester	60% of total credits up to III year I semester

7.2 A student shall register and put up required attendance in all courses and earn a total of 160 credits for the award of degree.

7.3 When a student is detained due to shortage of attendance in any semester, no grade allotments or SGPA/CGPA calculations will be given for that entire semester in which he/she is detained.

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

7.5 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.

## 8. Program Structure

The program structure is in-line with the guidelines as suggested by AICTE. The course-wise classification and break-up of credits are given in the following table:

S.No	Classification		Course Work - Subject Area	Total Credits %	
	AICTE	UGC		Min.	Max.
1	HS	Foundation courses	Humanities and social sciences including management (HS)	5	10
2	BS		Basic sciences(BS) including mathematics, physics, chemistry & Biology	15	20
3	ES		Engineering sciences (ES), including materials, workshop, drawing, basics of electrical /electronics/ mechanical/ computer engineering / Instrumentation	15	20
4	PC	Core courses	Professional subjects-core (PC), relevant to the chosen specialization/ branch; may be split into hard (no choice) and soft (with choice), if required	30	40
5	PW		Project work, seminar and/or internship in Industry or elsewhere.	10	15
6	PE	Elective Courses	Professional subjects – electives (PE), relevant to the chosen specialization/ branch	10	15
7	OE		Open electives (OE), from other technical and/or emerging subject areas which are offered by non-parent departments.	5	10

## **9. Supplementary Examinations**

- 9.1 A student who is eligible to appear for the semester end examinations in a course, but is absent / failed in that examination, may write the exam 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.
- 9.2 Supplementary examination(s) in the failed courses shall be conducted as per schedule given by the University. If the concerned course is not available in the new regulation 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, BoS. 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.

## **10. Grade Points**

- 10.1 Marks will be awarded to indicate the performance of each student in each theory courses or practical/seminar/project/mini-project 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.



10.2 A 10-point absolute grading system using the following letter grades and corresponding percentage of marks shall be followed as given below:

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	-	-

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

10.4 A letter grade does not imply any specific % of marks.

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

10.6 A student earns grade point (GP) in each course, on the basis of the letter grade obtained by him 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)**

10.7 After successful completion of the course only, the students get  $GP \geq 5$  ('C' grade or above).

10.8 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.

## 11. Registration / Dropping

- 11.1 Each student has to register for course work at the beginning of each semester as per the schedule mentioned in the academic calendar.
- 11.2 A student at the end of II Year II semester either having the CGPA  $\geq 7.0$  or having passed all previous courses in first attempt with a minimum CGPA  $\geq 5.0$  is allowed to register for additional theory course/credits. However, the same is not applicable for mandatory non-credit courses.
- 11.3 A student would be allowed to register in an additional course only if he/she satisfies all the prerequisites.
- 11.4 Departments will notify at the time of registration about the minimum number of students to be enrolled for a particular course to be offered.
- 11.5 Any student may be barred from registering for any course for specific reasons like disciplinary reasons, non- payment of fees, etc.
- 11.6 Dropping of courses:
- 11.7 Within four weeks after the commencement of the semester, the student may, in consultation with his / her faculty advisor, drop one or more courses. The dropped courses are not recorded in the grade card.

## 12. Passing Standards

- 12.1 A student shall be declared successful or 'passed' in a Semester, only when he/she gets a SGPA  $\geq 5.00$  (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  $\geq 5.00$ ; subject to the condition that he secures a GP  $\geq 5$  (C Grade or above) in every registered course in each semester.
- 12.2 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.

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

### **13. Vertical Progression**

13.1 It shall also be necessary to lay down uniform minimum standards for SGPA and CGPA together with the minimum number of credits to be earned in a semester for the vertical progression of students. This shall be used in facilitating the mobility of students from one institute to another and also in avoiding any confusion among the students. At the end of each semester the minimum standard for SGPA = 5.0 and CGPA = 5.0. However, failure to secure a minimum CGPA = 5.0 at the end of any semester for the first time, shall attract a warning before approval of the student to continue in the following semester.

### **14. 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 fulfill all the following conditions:

- 14.1 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.
- 14.2 He / she have obtained CGPA greater than or equal to 5.0 (minimum requirements for pass).
- 14.3 He/she has no dues to the Institute, Hostels, Libraries, NCC / NSS etc.
- 14.4 No disciplinary action is pending against him/her.
- 14.5 Those who fail to fulfill the above academic requirements shall forfeit their admission.

14.6 A student will be eligible to get Undergraduate degree with **Hons.** or **Minors**, 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 University.

## 15. Award of Class

15.1 A student who registers for all the specified courses as listed in the program and secures the required number of 160 credits (with CGPA > 5.0), within six academic years from the date of commencement of the first academic year, 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.

15.2 A student who qualifies for the award of the degree as listed in item 15.1 shall be placed in the following classes:

CGPA Range		Class	Condition
$\geq 8.00$	-	First Class with Distinction	<ul style="list-style-type: none"> <li>Should have passed all the courses in regular examinations and should complete the program in 4 years of time.</li> <li>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.</li> <li>The Students who secure CGPA <math>\geq 8.00</math>, but not fulfilling the conditions for "First Class with Distinction" shall be awarded 'First Class' only.</li> </ul>
$> = 6.50$	$< 8.00$	First Class	
$> = 5.50$	$< 6.50$	Second Class	
$> = 5.0$	$< 5.50$	Pass Class	

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

$$\text{Percentage(\%)} \text{ of marks} = (\text{CGPA} - 0.5) \times 10$$

## 16. 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.

## 17. Transitory Regulations

- 17.1 Discontinued, detained, or failed candidates are eligible for readmission as and when next offered as per the university admission procedure.
- 17.2 Students on transfer shall complete the prescribed courses of the concerned program not covered earlier should take the remaining program along with others.
- 17.3 There shall be no branch transfers after the cutoff date of admissions.

## 18. Transcripts

After successful completion of the total program of study, a transcript containing performance of all academic years/semesters will be issued as a final record. Duplicate transcripts will also be issued if required after the payment of requisite fee.

## 19. Convocation

- 19.1 The University shall conduct convocation ceremony to confer the degree(s).
- 19.2 The University shall institute Prizes and Awards to meritorious students during convocation.

## **20. Termination from the program**

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

- 20.1 The student fails to satisfy the requirements of the program within the maximum period stipulated for that program.
- 20.2 The student fails to satisfy the norms of discipline specified by the university from time to time.

## **21. Non-Credit Courses (Mandatory Courses)**

- 21.1 All the courses designated as mandatory course is a compulsory requirement for all students for the award of degree.
- 21.2 These activities carry no credits and are evaluated as satisfactory/ unsatisfactory.
- 21.3 Minimum attendance requirement as per the regulations is compulsory for completing the mandatory courses.

## **22. 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).

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

(With effect from the students admitted from the Academic Year 2022-23)

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

- 23.1 The LES candidates shall pursue a program of study for not less than three academic years and not more than five academic years.
- 23.2 The candidate should have registered for 122 credits and secured 122 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.
- 23.3 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.
- 23.4 The students are also eligible for the award of B. Tech (Hons./Minors) as per section 14.

### 24. Promotion Rules for LES.

- 24.1 A student shall be eligible for promotion in B. Tech program, if he/she acquires the minimum number of credits as given below

Promotion	From II Year to III Year	From III Year to IV Year
<b>Condition to be fulfilled</b>	60% of the total credits in II year I semester.	60% of total credits up to III year I semester.

- 24.2 All the other regulations as applicable to B. Tech. 4 Year degree course (Regular) will hold good for B. Tech (LES).

## 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 subjects 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. 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
<b>Total</b>		<b>19</b>			<b>152.5</b>
	<b><i>SGPA = 152.5/19 = 8.03</i></b>			<b><i>CGPA = 8.03</i></b>	
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
<b>Total</b>		<b>19</b>			<b>138</b>
				<b><i>SGPA = 138/19 = 7.26</i></b>	
	<b><i>CGPA = (152.5 + 138)/(19 + 19) = 7.64</i></b>				

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.

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## 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 & 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: Malpractices Rules

S.No	Nature of Malpractice Improper conduct during examinations	Punishment
	<i>If the candidate:</i>	
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 subject 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 subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject 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 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 subject 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 or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate disappearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects 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 subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects 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.
4.	Smuggles in 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 subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects 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 subject.



6	<p>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.</p>	<p>They shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects 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.</p>
7.	<p>Leaves the exam hall taking away answer script or intentionally tears the script or any part-thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work &amp; shall not be permitted for the remaining examinations of the subjects 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.</p>
8.	<p>Possess any lethal weapon or firearm in the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of the performance in that</p>

		subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects 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 subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects 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 subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects 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 subject and all other subjects 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.	

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## 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. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).
3. **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.
4. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
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. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
7. **Credit Point:** It is the product of grade point and number of credits for a course.
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, C 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. **Program:** An academic program of the University.
12. **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 today
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. **Types of courses:** The courses in a program may be of three kinds: Core, Elective and Foundation.
15. **Core course:** This is the course which is to be compulsorily studied by a student as a

- core requirement of a program in a branch of study.
16. Elective course: This is the course to be chosen from a pool of courses. Elective course may be (a) Supportive to the branch of study (b) Providing an expanded scope (c) Enabling an exposure to some other branch/domain (d) Nurturing student's proficiency/skill.
  17. Foundation course: This course may be of two kinds, compulsory foundation and elective foundation.
  18. Compulsory Foundation courses: These are the courses based upon the content that leads to knowledge enhancement. They are mandatory for all disciplines.
  19. Elective Foundation courses: These are value-based and are aimed at man- making education.
  20. General: The academic regulations should be read as a whole for the purpose of any interpretation.
  21. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chancellor is final.

## NOTES

## University Vision

To be a leading university that provides transformative education and research to create leaders and innovators of tomorrow and to expand frontiers of knowledge for the betterment of society.

## University Mission

- To prepare students to think creatively, broadly, critically and create an ecosystem for innovation and entrepreneurship from which the leaders and innovators of tomorrow emerge.
- To create an interdisciplinary ambience to understand and solve real-world problems thereby contributing to the growth of the nation and humanity.
- To build relationship with industry, research organizations and academia to strengthen the ecosystem.



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