



**SREENIDHI**  
EDUCATIONAL GROUP



**SREENIDHI**  
INSTITUTE OF  
SCIENCE AND  
TECHNOLOGY **SNIST**  
AUTONOMOUS

# UNDERGRADUATE HANDBOOK

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ACADEMIC RULES AND REGULATIONS  
FOR  
B.Tech. PROGRAMME

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November, 2021

**Rules and Regulations  
for B.Tech. students  
(w.e.f. 2020-21)**

**1.0 Under Graduate Degree Programme in Engineering & Technology (E&T)**

- 1.1 SNIST offers a 4-year (8 semesters) **Bachelor of Technology (B.Tech.)** undergraduate (UG) degree programme under Choice Based Credit System (CBCS) with effect from the academic year 2020-21 in the following branches of Engineering.

#	Branch
1	Civil Engineering (CE)
2	Computer Science and Engineering (CSE)
3	CSE Artificial Intelligence and Machine Learning (AI & ML)
4	CSE Cyber Security (CS)
5	CSE Data Science (DS)
6	CSE Internet of Things (IoT)
7	Electrical and Electronics Engineering (EEE)
8	Electronics and Communication Engineering (ECE)
9	Electronics and Computer Engineering (ECM)
10	Information Technology (IT)
11	Mechanical Engineering (ME)

**1.2 Credits**

One credit is given for a lecture/tutorial hour per week and half credit is given for every hour of practical/drawing.

**2.0 Eligibility for admission**

- 2.1 Admission to the UG courses shall be made either on the basis of the rank of the candidate in entrance test conducted by the Telangana State Government (EAMCET) or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the Government from time to time. However, admissions under manage-



ment/NRI category shall be made on the relevant orders issued by the Govt. of Telangana from time to time.

### 3.0 B.Tech. Programme structure

3.1 A student after securing admission shall pursue the UG programme in B.Tech. in a minimum period of four academic years (8 semesters), and a maximum period of eight academic years (16 semesters) starting from the date of commencement of the I year I semester, failing which student shall forfeit seat in B.Tech. course. However, the student can take two more years to appear for the examinations to clear the backlog subjects.

In the I year, it is structured to provide 45 credits and the credits in the II, III and IV years should not exceed 119 credits as per AICTE model curriculum for the B.Tech. programme. Each student shall secure 164 credits (with CGPA  $\geq 5$ ) required for the completion of the UG programme and award of B.Tech. degree. However, any revision made in this regard and approved by the Academic Council of the college and by parent University shall be implemented from the date of the revision.

3.2 UGC/AICTE specified definitions/descriptions are adopted appropriately for various terms and abbreviations stated below.

#### 3.2.1 Semester scheme

Each UG programme is of 4 academic years (8 semesters) with the academic year being divided into two semesters of 22 weeks (90 instructional days) each. Each semester has Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). Choice based credit system (CBCS) and credit based semester system (CBSS) are followed as suggested by AICTE.

#### 3.2.2 Credit courses

A student in a semester has to earn credits which shall be assigned to each subject/course in an L T P C (lecture, tutorial, practical, credits) structure based on the following general pattern:

- One credit for one hour per week offered in the entire semester for theory lecture (L) and tutorial (T) courses.
- One credit for two hours per week offered in the entire semester for laboratory and practical (P) courses.
- The orientation course recommended by AICTE in the model curriculum is offered for 15 days in addition to the mandatory Cyber Security course in the III year.
- Environmental Engineering is offered as mandatory course for B.Tech. ME and ECE students in the II year. These courses will be reflected in the memo of marks with grades.
- A student cannot obtain the degree unless he/she completes all the mandatory courses.

#### 3.2.3 Subject Course Classification

All courses offered for the UG programme are broadly classified into groups as given in the table below with the credits suggested by AICTE.

Cat.	Cred.	CSE	ECE	CE	EEE	ME	IT	ECM
HSSM	12*	14	14	11	13	13	14	13
BSM	25*	22	23	29	30	24	22	26
ES	24*	29	28	31	25	28	29	28
PCC	48*	59	59	51	61	62	59	59
PEC	18*	15	15	15	15	15	15	15
OE	18*	6	6	6	6	6	6	6
PSI	15*	19	19	21	14	16	19	17
MC	NC	NC	NC	NC	NC	NC	NC	NC
<b>Total</b>	<b>160*</b>	<b>164</b>	<b>164</b>	<b>164</b>	<b>164</b>	<b>164</b>	<b>164</b>	<b>164</b>

<b>HSSM</b>	:	Humanities and social sciences including Management courses
<b>BSM</b>	:	Basic Sciences including Mathematics courses
<b>ES</b>	:	Engineering Science courses including workshop, drawing, basic electrical/electronics, mechanical engineering course as well as



		various computer courses offered for non-IT branches
<b>PCC</b>	:	Professional Core Courses
<b>PEC</b>	:	Professional Elective courses (five courses) relevant to chosen specialization/branch
<b>OE</b>	:	Open Electives (3 courses) offered by any other engineering departments/MBA department**
<b>PSI</b>	:	Project work, seminar and internship in industry or elsewhere
<b>MC</b>	:	Mandatory courses (Environmental Sciences, Induction training, Indian constitution, Essence of Indian Traditional Knowledge)

*The Joint Board of Studies and Academic Council of the institution has approved the total number of credits to be 164. The various groups of subjects mentioned above shall have credits suggested above with minor variations.*

3.3 The medium of instruction will be **English** only.

#### 4.0 Course registration

- 4.1 A faculty advisor or counselor shall be assigned to a group of 20 students, who will advise the students on the UG programme, its course structure and curriculum, choice/option for professional and open electives based on their employment potential or further studies.
- 4.2 The student will progress semester after semester as the Institute is following a cohort system to satisfy the conditions of promotion to the next semester.
- 4.3 In the present system there shall be five subjects in each professional elective stream and three subjects in open elective stream. A student can opt for a stream of professional/open electives which should be submitted to the faculty advisor/counselor and copy of it to the examination section through the HoD. A copy of it will be retained with the HoD/faculty advisor/counselor and the student.

- 4.4 The student can take one extra subject in each semester and can complete the program in 3 ½ years but the original degree will be issued along with his/her batchmates after 4 years.
- 4.5 If a student acquires 20 credits extra than the required credits as per the regulations, he will be awarded honors.
- 4.6 The purpose of offering elective streams in both professional and open electives is to facilitate the students to have a minor specialization based on their interest, so that they will have multi-disciplinary exposure. Hence, a student is to take a stream of electives either from professional or open electives. He shall not be permitted to opt for other elective subjects in other streams in subsequent semesters.
- 4.7 Dropping of electives may be permitted, only after obtaining prior approval from the faculty advisor/counselor, within a period of 15 days from the beginning of the current semester.

#### 5.0 Subjects/courses to be offered

- 5.1 A typical section (or class) nominal strength for each semester shall be 60.
- 5.2 A subject/course may be offered to the students only if a minimum of 30 students opts for it. The maximum strength of a section is limited to 80.

#### 6.0 Attendance requirements

- 6.1 A student shall be eligible to appear for the semester end examinations, if student acquires a minimum of 75% of attendance in aggregate of all the subjects/courses (excluding attendance in mandatory courses, internship during II year, NCC/NSO and NSS) for that semester.
- 6.2 Shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence.



- 6.3 A stipulated fee shall be payable towards condoning of shortage of attendance as decided by finance committee of SNIST from time to time.
- 6.4 Shortage of attendance below 65% in aggregate shall in NO CASE be condoned.
- 6.5 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their admission for that semester shall stand cancelled. They will not be promoted to the next semester. They may seek re-admission for all those subjects registered in that semester in which student was detained, by seeking readmission into that semester as and when offered; in case if there are any professional electives and/or 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 same set of elective subjects offered under that category. He will be governed by the new regulations in which he takes re-admission.
- 6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same semester.

**7.0 Academic requirements:** The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no.6.

- 7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if student secures not less than 35% marks (24 out of 70 marks) in the semester end examination, and a minimum of 40% of marks in the sum total of the CIE and SEE taken together; in terms of letter grades, this implies securing C grade or above in that subject/course.
- 7.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to group projects, seminar, comprehensive test, viva-voce and major project if a student secures not less than 40% marks in each of them.

- The student would be treated as failed, if the student
- i. does not complete all the mandatory courses offered during the course
  - ii. does not submit a report on internship, group project, major project, or does not make a presentation of the same before the evaluation committee as per schedule, or
  - iii. does not present the seminar as required in the I year and II year or
  - iv. secures less than 40% marks in comprehensive test and seminar/comprehensive test and viva-voce/group project/major project evaluations.

A student may reappear once for each of the above evaluations, when they are scheduled again; if student fails in such one re-appearance evaluation also, student has to reappear for the same in the subsequent semester, as and when it is scheduled.

**7.3 Promotion Rules based upon credits**

Promotion	Conditions to be fulfilled
I year I semester to I year II semester	Regular course of study of I year I semester and should have satisfied the minimum requirement of attendance to appear I year I semester.
I year II semester to II year I semester	<ol style="list-style-type: none"> <li>i. Regular course of study of first year I and II semesters.</li> <li>ii. Must have secured at least 50% of credits (22) up to the I year II semester from all the relevant regular and supplementary examinations.</li> </ol>
II year I semester to II year II semester	Regular course of study of II year I semester.



II year II semester to III year I semester	<ul style="list-style-type: none"> <li>i. Regular course of study of I and II semesters of II year.</li> <li>ii. Must have secured at least 60% of credits (54) up to II year II semester from all the relevant regular and supplementary examinations.</li> </ul>
III year I semester to III year II semester	Regular course of study of III year I semester.
III year II semester to IV year I semester	<ul style="list-style-type: none"> <li>i. Regular course of study of III year II semester.</li> <li>ii. Must have secured 60% of credits (79) up to III year II semester from all the relevant regular and supplementary examinations.</li> </ul>
IV year I semester to IV year II semester	Regular course of study of IV year I semester

**7.4** A student shall

- i. attend all courses covering 164 credits as specified and listed in the course structure,
- ii. fulfil all the attendance and academic requirements for 164 credits,
- iii. earn all 164 credits by securing SGPA  $\geq 5$  (in each semester), and CGPA (at the end of each successive semester)  $\geq 5$  and
- iv. pass all the mandatory courses

to successfully complete the UG programme. The performance of the student in these 164 credits shall be taken into account for the calculation of 'the final CGPA (at the end of UG programme), and shall be indicated in the grade card of IV year II semester.

7.5 If a student registers for some more extra subjects (in the parent department or other departments/branches of engineering) other than those listed subjects as specified in the course structure of his Department, the performances in those extra subjects will not be taken into account while calculating the SGPA and CGPA. For such extra subjects registered, percentage of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in the regulations 6 and 7.1 to 7.4 above.

7.6 A student eligible to appear in the semester end examination for any subject/course, but absent from it or failed (thereby failing to secure C grade or above) has to reappear for that subject/course in the supplementary examination as and when conducted. In such cases, CIE assessed earlier for that subject/course will be carried over, and added to the marks obtained in the supplementary examination for evaluating performance in that subject.

7.7 A student detained in a semester due to shortage of attendance, may be readmitted when the same semester is offered in the subsequent academic years for the fulfillment of academic requirements.

The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/CGPA calculations will be done for the entire semester in which student has been detained.

7.8 A student detained due to lack of credits, will be promoted to the next academic year only after acquiring the required credits as per the existing academic regulations in force at the time of readmission.

**8.0 Evaluation: Distribution and weightage of marks**

8.1 The performance of a student in each semester shall be evaluated subject-wise for a maximum of 100 marks for a theory and 100 marks for every practical subject with 30 marks Continuous Internal Evaluation and 70 marks for Semester End Examinations.



Internship-I and Internship-II will be organized during summer vacation of II-II and III-II and evaluation of the same will be carried out during lab examinations of III-I and IV-I. In addition, there will be Group Project-I in III year I semester, Group Project-II in III year II semester, and Group Project-III in IV year I semester, Major project in IV year II semester will be evaluated for 100 marks.

**Pattern of continuous internal evaluation for internship project and group project**

#	Description	Marks
1	Abstract, Design, implementation and Presentation in front of project review committee consisting of HoD, senior faculty and internal guides (average)	15
2	Report	5
3	Evaluation by internal guide	10
	<b>Total</b>	<b>30</b>
	Semester end examination	70

**Pattern of external evaluation for internal projects and group projects**

#	Description	Marks
1	Final report	10
2	Presentation	10
3	Demonstration/defence of project	50
	<b>Total</b>	<b>70</b>

**Pattern of continuous internal evaluation for major project in IV year II semester**

#	Description	Marks
1	Progress of project work and the corresponding interim report as evaluated by project review committee at the end of 6 weeks	5
2	Seminar at the end of 6 weeks	5

3	Progress of project work as evaluated by project review committee at the end of 11 weeks	5
4	Seminar at the end of 11 weeks	5
5	Evaluation by project review committee at the end of 15 weeks and final project report	5
6	Final presentation and defense of project	5
	<b>Total</b>	<b>30</b>

**Pattern of external evaluation for major projects**

#	Description	Marks
1	Final project report	10
2	Presentation	20
3	Demonstration/Defense of project before committee	40
	<b>TOTAL</b>	<b>70</b>

8.2 For all the other theory and lab subjects the distribution of marks shall be 30 for CIE and 70 for the SEE.

**8.3 Theory Subjects: Pattern for CIE of 30 marks**

The following procedure is to be adopted for awarding internal marks of 30 for all the B.Tech. students from the academic year 2021-2022. Average of two mid tests will be taken for the final award of marks.

#	Procedure	Marks
a)	<b>Part-A</b> of the mid-test (10 questions)	5
b)	<b>Part-B</b> of the mid-test (4 questions; 1 from each unit and 4th question from any one unit or combination and student has to answer 3 questions)	15
c)	<b>Part-C</b> of the mid-test will have 3 questions; one from each unit taken from assignment questions. Student	3

	has to answer 1 question out of 3 questions	
d)	<b>Assignment-I.</b> Three questions from each unit (1, 2 and 3), a total of 9 questions to be submitted before the first mid test. <b>Assignment-II.</b> Three questions from each unit (4, 5 and 6), a total of 9 questions will be submitted before mid-test II and an average of two assignments will be considered.	2
e)	Attendance *	3
f)	Class notes	2
	<b>Total</b>	<b>30</b>

\*Three marks are awarded for each theory subject for the students who put in attendance in a graded manner as given below:

#	Attendance Range	Marks
1.	65% and above but less than 75%	1
2.	75% and above and less than 85%	2
3.	85% and above	3

Marks for attendance shall be added to each subject based on an average of attendance of all subjects put together. If any candidate is absent in any subject or mid-term examination, this student wishes to improve performance, a **third mid-test** will be conducted for that student by the Institution in the entire syllabus, on the same day of semester end examination for 2<sup>1</sup>/<sub>2</sub> hours. That result will be treated as III mid test and average of better two of (mid test I, II, III) will be considered. III mid test will have part-A (compulsory) and part-B with essay type questions and three out of four questions are to be answered.

#### Pattern for External Examinations - (70 marks)

- There shall be one external examination in every theory course and consists of two parts (Part-A & Part-B). The total time duration for this end semester examination will be 3 hours.

- **Part-A** shall have 20 marks, which is compulsory. It will have 10 short questions set with 2 marks each. There shall be at least one question to each of the six units and two questions from units 1,2,3 and two questions from unit 4,5,6 and the number of questions from any unit shall not exceed two.
- **Part-B** of the question paper shall have essay type questions for 50 marks and shall have 8 questions out of which any 5 are to be answered. At least one question must appear from each Unit. Seventh question must have 2 to 3 bits taken from 1st, 2nd, and 3rd units and 8th question also with 2 to 3 bits taken from 4th, 5th and 6th units, such that not more than 2 questions shall be from any one unit. All the questions carry equal marks.

#### 8.4 Pattern of Evaluation for Lab subjects - (100 marks)

- 8.4.1 For practical subjects there shall be a continuous evaluation during the semester for 30 sessional marks and 70 marks for semester end examination. Out of the 30 marks for CIE, the distribution of marks is as follows.

#	Item	Marks
1.	Day to Day work	05
2.	Final Record and viva	09
3.	Average of two tests including viva	05
4.	Lab Based Project Report viva and demo	08
5.	Attendance	03
	<b>Total</b>	<b>30</b>

- 8.4.2 The semester end examination for 70 marks for the lab subjects shall be conducted by an external examiner and an internal examiner appointed by the chief superintendent of examinations of the college. The marks are distributed as follows:

#	Item	Marks
1.	Procedure to experiment and tabulation	10



2.	Conduct of experiment, observation, calculation	30
3.	Results including graphs, discussions and conclusion	20
4.	Viva voce and record	10
<b>Total</b>		<b>70</b>

#### 8.4.3 For computer based examinations

#	Item	Marks
1.	Flowchart and algorithms	10
2.	Program writing and execution	30
3.	Result and conclusions	20
4.	Viva voce and Record	10
<b>Total</b>		<b>70</b>

8.5 For the subject having design and/or drawing, (such as Engineering Drawing and Machine Drawing), the distribution shall be 30 marks for internal evaluation (10 marks for day-to-day work including drawing, 3 marks for home assignment work, 12 marks for average of two internal tests and 2 marks for class notes 3 marks for attendance) and 70 marks for end semester end examination.

There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests. Third test facility can be availed as mentioned above (8.3.1 (i) (a) and (b)).

#### 8.6 Technical Seminar

There shall be a technical seminar evaluated for 100 marks from I year I semester to II year II Semester. The evaluation is purely internal and will be conducted as follows:

#	Description	Marks
1	Literature survey, topic and content	10
2	Presentation including PPT	10
3	Seminar Notes	05

4	Interaction with audience after presentation	05
5	Final report 3 copies	10
6	Classroom participation	05
7	Punctuality in giving seminar as per scheduled time and date	10
8	Mid Semester viva (on the seminar topics completed up to the end of 9 <sup>th</sup> week)	15
9	End Semester viva	30
<b>Total</b>		<b>100</b>

A student must secure 40% of marks to be successful in technical seminar.

#### 8.7 Comprehensive test and viva-voce

test and viva voce	semesters included
I year I semester	I
I year II semester	I - II
II year I semester	I - III
II year II semester	I - IV
III year I semester	I - V
III year II semester	I - VI
IV year I semester	I - VII

Two mid tests, two mid viva voce, one external comprehensive test and one external comprehensive viva voce.

Allocation of marks :

*Comprehensive Test	: 70 marks
**Viva Voce	: 30 marks
<b>Total</b>	<b>: 100 marks</b>

\*Average of two best mid tests of mid test I, mid test II and mid test III will be taken for 30 marks.

Total marks for the comprehensive test will be 70.

The total sessional marks in this subject of comprehensive test and viva voce will be: 30 for sessional and 70 for end semester examination.



The grand total of marks for the subject of comprehensive test and viva voce will be 100. The student has to secure 40% of marks in total to be successful in the subject.

- 8.8 The laboratory records and internal test papers shall be preserved in the respective departments as per the college norms and shall be produced to the committee of the college or any external agency like AICTE, NAAC, JNTUH, NBA etc., as and when the same are called for.
- 8.9 There shall be internships 1 and 2 in an industry of their specialization. Students will register for this immediately after II year II semester end examination and III year II semester examinations and pursue it during summer vacation. Internships 1 and 2 shall be submitted as a project report and presented before the committee in III year I semester and IV year I semester along with lab examination. This project report will be evaluated for 30 internal marks and 70 external marks. The committee consists of an external examiner, HoD, supervisor of the internship project and senior faculty member of the department.
- 8.10 The laboratory marks and the internal marks awarded by the college are subject to scrutiny and scaled down by the departmental committees wherever necessary. In such cases, the internal and laboratory marks awarded by the department will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendation of the committee is final and binding. The laboratory records and internal test papers shall be preserved in the respective departments as per the college rules and produced before the visiting committees as and when they are asked for.
- 8.11 For mandatory courses like orientation course, cyber security, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in sum total of continuous internal evaluation and external examination for passing the subject/course. These marks will be graded as per table given in 3.2.2.

## 9.0 Grading procedure

- 9.1 Marks will be awarded to indicate the performance of a student in each theory subject, laboratory/practical, seminar, group projects 1, 2 and 3, in the major project and comprehensive test and viva.

Based on the percentage of marks obtained (CIE plus SEE, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.

- 9.2 As a measure of the performance of student, a 10-point absolute grading system using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured	Letter Grade	Grade Points
≥ 90%	O (outstanding)	10
< 90% and ≥ 80%	A+ (excellent)	9
< 80% and ≥ 70%	A (very good)	8
< 70% and ≥ 60%	B+ (good)	7
< 60% and ≥ 50%	B (average)	6
< 50% and ≥ 40%	C (pass)	5
< 40%	F (fail)	0
Absent	Ab	0

- 9.3 A student obtaining F grade in any subject shall be deemed to have failed and is required to reappear as a supplementary student in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- 9.4 A student who has not appeared for examination in any subject, Ab grade will be allocated in that subject, and student shall be considered failed. The student will be required to reappear as a supplementary student in the semester end examination, as and when offered.



9.5 A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.

9.6 A student earns grade point (GP) in each subject/course, on the basis of the letter grade secured in that subject/course. The corresponding credit points (CP) are computed by multiplying the grade point with credits for that particular subject/course

$$CP = (GP) \times (\text{credits})$$

9.7 A student passes the subject/course only if GP is not less than 5 (i.e., C grade or above).

9.8 The Semester Grade Point Average (SGPA) is calculated by dividing the sum of CP secured from all subjects/courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to two decimal places. SGPA is thus computed as

$$SGPA = \frac{\sum_{i=1}^N C_i G_i}{\sum_{i=1}^N C_i}$$

for each semester where  $N$  is the total number of subjects (as specifically required and listed under the course structure of the parent department) the student has registered i.e., from the 1<sup>st</sup> semester onwards up to and inclusive of the 8<sup>th</sup> semester,  $i$  is the subject indicator index (takes into account the subjects from 1 to 8 semesters),  $C_i$  is the number of credits allotted to the  $i^{\text{th}}$  subject and  $G_i$  represents the grade points (GP) corresponding to the letter grade awarded for the  $i^{\text{th}}$  subject.

After registration and completion of the I year I semester, SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

#### Illustration of calculation of SGPA

Course	Credits	Grade	GP	CP
1	4	A	8	4 x 8 = 32
2	4	O	10	4 x 10 = 40
3	4	C	5	4 x 5 = 20

4	3	B	6	3 x 6 = 18
5	3	A+	9	3 x 9 = 27
6	3	C	5	3 x 5 = 15
<b>TOTAL</b>	<b>21</b>			<b>152</b>
SGPA = 152/21 = 7.24				

#### Illustration of calculation of CGPA

course	credits	grade	grade points	credit points
<b>I Year I Sem</b>				
C1	4	A	8	4 x 8 = 32
C2	4	A	9	4 x 9 = 36
C3	4	B	6	4 x 6 = 24
C4	3	O	10	3 x 10 = 30
C5	3	B+	7	3 x 7 = 21
C6	3	A	8	3 x 8 = 24
<b>I Year II Sem</b>				
C7	4	B+	7	4 x 7 = 28
C8	4	O	10	4 x 10 = 40
C9	4	A	8	4 x 8 = 32
C10	3	B	6	3 x 6 = 18
C11	3	C	5	3 x 5 = 15
C12	3	A+	9	3 x 9 = 27
<b>Total</b>	<b>42</b>			<b>327</b>
CGPA = 327/42 = 7.79				

9.9 For merit ranking or comparison purposes or any other listing, only the rounded off values of the CGPAs will be used.

9.10 For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/courses (securing F grade) will also be taken into account and the credits of such subjects/courses will also be included in the multiplications and summations. After passing the failed subject(s), newly secured letter grades will be taken into account for calculation of SGPA and CGPA. However, mandatory courses will not be taken into consideration.



## 10.0 Passing standards

- 10.1 A student shall be declared successful or passed in a semester, if the student secures a GP  $\geq 5$  (C grade or above) in every subject/course in that semester (i.e., when a student gets SGPA  $\geq 5.00$  at the end of that particular semester); and a student shall be declared successful or passed in the entire UG programme, only after getting a CGPA  $\geq 5.00$ , for the award of the degree as required.
- 10.2 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. It will show the details of the courses registered course code, title, no. of credits, and grade earned, credits earned, SGPA, and CGPA.

## 11.0 Declaration of results

- 11.1 Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2 For final percentage, the formula may be used.

## 12.0 Award of degree

- 12.1 A student who registers for all the specified subjects/courses as listed in the course structure and secures the total number of credits (with CGPA  $\geq 5.0$ ), within 8 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.
- 12.2 A student who qualifies for the award of the degree at the end of the UG programme, as listed in item 12.1 shall be placed in the following classes:
- 12.2.1 Students with final CGPA of 8.00 and above and fulfilling the following conditions:

- i. should have passed all the subjects/courses in the first appearance within the first 4 academic years (or 8 sequential semesters) from the date of commencement of the I year I semester,
- ii. should have secured a CGPA  $\geq 8.00$ , at the end of each semester, starting from first year first semester onwards and
- iii. should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason

shall be placed in FIRST CLASS WITH DISTINCTION.

- 12.2.2 Students with final of  $< 8.00$  and  $\geq 6.5$  shall be placed in FIRST CLASS.
- 12.2.3 Students with final CGPA of  $< 6.5$  and  $\geq 5.5$  shall be placed in SECOND CLASS.
- 12.2.4 Students with final CGPA  $< 5.5$  and  $\geq 5$  shall be placed in pass class.
- 12.2.5 Students with final CGPA  $< 5.00$  will not be eligible for the award of the degree.
- 12.2.6 Students fulfilling the conditions listed under item 12.2.1 alone will be eligible for the award of university rank and gold medal.

## 13.0 Withholding of results

- 13.1 If the student has not paid the fees to the university/college at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.



#### 14.0 Transitory regulations

- 14.1 A student who has discontinued for any reason, or has been detained for want of attendance or lack of required credits as specified, or who has failed after having undergone the degree programme, may be considered eligible for readmission to the same subjects/courses (or equivalent subjects/courses, as the case may be), and same professional electives/open electives (or from set/category of electives or equivalents suggested, as the case may be) as and when they are offered (within the time-frame of 8 years from the date of commencement of student's first year first semester).

A student admitted in one academic regulation and he is getting readmission in some other academic regulations, the college has to offer substitute/additional subjects based on the comparison of two academic regulations. The details of substitute/additional subjects offered with the recommendations of the board of studies of the concerned branch has to be given from time to time. The student will be governed by the academic regulations at the time of readmission.

#### 15.0 Transfer of Student

- 15.1 There shall be no branch transfers after the completion of the admission process.
- 15.2 Students seeking transfer to Sreenidhi Institute of Science and Technology (SNIST) from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of SNIST and also pass the subjects of SNIST which the students have not studied at the earlier institution.  
Further, though the students have passed some of the subjects at the earlier semesters of SNIST, the students have to study substitute subjects in SNIST and get sessional marks by attending 3<sup>rd</sup> mid test and paying requisite fee as per the rules.
- 15.3 The transferred students from other Universities/Institutions to SNIST who are on rolls to be provided one chance to

write the CIE (internal marks) in the failed subjects and/or subjects not studied as per the clearance letter issued by the Institution.

- 15.4 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the failed subjects and/or subjects not studied, to the students transferred from other universities/institutions to SNIST who are on rolls, as per the clearance (equivalence) letter issued by the University.

#### 16.0 Scope

- 16.1 The academic regulations should be read as a whole, for the purpose of any interpretation.
- 16.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the academic council is final and binding.
- 16.3 The Institution may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the date notified by the Institution.



**Academic Regulations for B.Tech.  
(LATERAL ENTRY SCHEME)  
w.e.f AY 2021-22**

- 1) Eligibility for award of B.Tech. Degree  
The Lateral Entry Scheme (LES) students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years failing which he will forfeit the seat.
- 2) The student shall register and secure for all the credits with CGPA  $\geq 5$  from II year to IV year B.Tech. programme as per the regulations for the award of B.Tech. degree. ~~Out of the total credits secured, the student can avail exemption up to 6 credits, that is, one open elective subject and one professional elective subject or two professional elective subjects for B.Tech. programme to improve the performance of the GPA.~~
- 3) The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Tech. However, the student can take two more years to appear for the examinations.
- 4) The attendance requirements of B.Tech. (regular) shall be applicable to B.Tech. (LES).
- 5) Promotion rules based on credits

#	Promotion	Conditions to be fulfilled
1	II year I semester to II year II semester	Regular course of study of second year first semester.
2	II year II semester to III year I semester	<ol style="list-style-type: none"> <li>i. Regular course of study of second year second semester.</li> <li>ii. Must have secured at least 27 credits out of 45 credits i.e., 60% of credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student</li> </ol>

		takes those examinations or not.
3	III year I semester to III year II semester	Regular course of study of third year first semester.
4	III year II semester to IV year I semester	<ol style="list-style-type: none"> <li>i. Regular course of study of third year second semester.</li> <li>ii. Must have secured at least 52 credits out of 87 credits i.e., 60% of credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.</li> </ol>
5	IV year I semester to IV year II semester	Regular course of study of fourth year first semester.

- 6) All the other regulations as applicable to B. Tech. 4-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).



**MALPRACTICE RULES  
DISCIPLINARY ACTION FOR MIS-CONDUCT OF STUDENTS DURING EXAMINATIONS**

1. **Malpractice:** *During examination, possesses any paper, note book, programmable calculator, cell phone, pager, palm computer or any other form of material concerned with or related to the subject of the examination (theory or practical) but has not made use of.*

**Punishment:** Expulsion from the examination hall and cancellation of the performance in that subject only.

2. **Malpractice:** *Gives assistance or guidance to or receives from any other student orally or by any other body language methods.*

**Punishment:** Expulsion from the examination hall and cancellation of the performance in that subject only for all the students involved.

3. **Malpractice:** *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 student is appearing*

**Punishment:** Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The hall ticket of the student is to be cancelled and sent to the university.

4. **Malpractice:** *Impersonates any other student in connection with the examination.*

**Punishment:** The student who has impersonated shall be expelled from the examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practical and UG major project) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the

academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.

5. **Malpractice:** *Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.*

**Punishment:** Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.

6. **Malpractice:** *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.*

**Punishment:** Cancellation of the performance in that subject

7. **Malpractice:** *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 in or outside the examination hall of any injury to his person or to any of his relations 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 of his relations, 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.*

**Punishment:** In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the student(s) has



(have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

8. **Malpractice:** *Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.*

**Punishment:** Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.

9. **Malpractice:** *Possess any lethal weapon or firearm in the examination hall.*

**Punishment:** Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.

10. **Malpractice:** *If a student of the college, who is not a student for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.*

**Punishment:** Student of the college expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.

11. **Malpractice:** *Comes in a drunken condition to the examination hall.*

**Punishment:** Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year.

12. **Malpractice:** *Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.*

**Punishment:** Cancellation of the performance in that subject and all other subjects the student has appeared including practical examinations and UG major project of that semester/year examinations.

*If any malpractice is detected which is not covered in the above clauses 1 to 12, it shall be reported to the university for further action to award suitable punishment.*

#### **Malpractices identified by squad or special invigilators**

- Punishments to the students as per the above guidelines.
- Punishment for institutions: (if the squad reports that the college is encouraging malpractices)
  - A show cause notice shall be issued to the college.
  - Impose a suitable fine on the college.
  - Shifting the examination centre from the college to another college for a specific period of not less than one year.



## THE TELANGANA PROHIBITION OF RAGGING ACT, 1997

### Important Points (reproduced from the ACT NO. 26 OF 1997)

3. Ragging within or outside any educational institution is prohibited.
4. Whoever, with the intention of causing ragging or with the knowledge that he is likely by such act to cause ragging, commits or abets ragging and thereby,-
  - (i) teases or embarrasses or humiliates a student shall be punished with imprisonment for a term which may extend to six months or with fine which may extend to one thousand rupees, or with both; or
  - (ii) assaults or uses criminal force to or criminally intimidates a student shall be punished with imprisonment for a term which may extend to one year or with fine which may extend to two thousand rupees or with both; or
  - (iii) wrongfully restrains or wrongfully confines or causes hurt to a student shall be punished with imprisonment for a term which may extend to two years or with fine which may extend to five thousand rupees or with both; or
  - (iv) causes grievous hurt to or kidnaps or abducts or rapes or commits unnatural offence with a student shall be punished with imprisonment for a term which may extend to five years and with fine which may extend to ten thousand rupees; or
  - (v) causes death or abets suicide shall be punished with imprisonment for life or with imprisonment for a term which may extend to ten years and with a fine which may extend to fifty thousand rupees.
5. **Dismissal of student.**
  - (1) A student convicted, of an offence under section 4 and punished with imprisonment for a term shall be dismissed from the educational institution.
  - (2) A student convicted of an offence under section 4 and punished with imprisonment for a term of more than six months shall not be admitted in any other educational institution.
6. **Suspension of student.**
  - (1) Without prejudice to the foregoing provisions, whenever any student complains of ragging to the head or manager of an

educational institution, such head or manager shall inquire into or cause an inquiry to be made into the same forthwith and if the complaint is prima facie found true, shall suspend the student or students complained against for such period as may be deemed necessary.

- (2) The decision of the head or manager of the educational institution under sub-section (1) shall be final.

### 7. **Abetment.**

- (1) If the head or the manager of an educational institution fails or neglects to take action in the manner specified in sub-section (1) of section 6, such person shall be deemed to have abetted the offence and shall be punished with the punishment provided for the offence.
- (2) If a student commits suicide due to or in consequence of ragging, the person who commits such ragging shall be deemed to have abetted such suicide.

(for details, check the SNIST website or

[https://www.indiacode.nic.in/bitstream/123456789/8518/1/act\\_26\\_of\\_1997.pdf](https://www.indiacode.nic.in/bitstream/123456789/8518/1/act_26_of_1997.pdf))

## ABOUT SNIST:

- Established in 1997 with approval from Government of Andhra Pradesh.
- An Autonomous College, the very first in JNTU Hyderabad.
- Approved by AICTE, New Delhi.
- Accredited by NBA of AICTE at a very young age of 5 ½ years
- Accredited by NAAC with "A+" Grade
- Recognized as a Research Centre by DSIR, Government of India.
- Recipient of World Bank Assistance under TEQIP.
- Meritorious faculty
- National Award Winner for the best HRD practices

## PROGRAMS AND ACTIVITIES:

- 11 UG and 7 PG programmes in Engineering
- M.B.A.
- Ph.D. Programmes
- Research and Consultancy
- Start-Ups and Incubation



Campus: Yamnapet, Ghatkesar, Hyderabad - 501 301, Telangana, India