

## ACADEMIC REGULATIONS- 2018 (R18)

### 1. Award of B.Tech. Degree

A student will be declared eligible, for the award of the B. Tech. degree, if he/she fulfills the following academic regulations.

#### a) B.Tech. Program (Regular scheme of 4 Year):

- Effective for the students admitted into first year from the academic year 2018-2019 and onwards
- Pursued a course of study for not less than four academic years and not more than eight academic years.
- Students, who fail to complete their four years course of study within eight years or fail to acquire **160** Credits for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. Program and their admission shall stand cancelled.
- Students can also register for a greater number of credits from elective courses, however only one elective will be considered from that group to get the total **160** credits.

#### (b) B.Tech. Program (Lateral Entry Scheme of 3 Year)

- Effective for the students admitted into second year under lateral entry scheme from the academic year 2019-2020 and onwards.
- Pursued a course of study for not less than three academic years and not more than six academic years.
- Registered for 119 credits and secured 119 credits with compulsory subjects.
- Students can also register for more number of electives from the group of electives under any elective course. However, only one elective course of the group will be considered for awarding credits.

### 2. Courses of study

The following programs of study are offered at present for specialization in the B.Tech.

S. No.	Branch	Abbreviation
01	Civil Engineering	CE
02	Electrical & Electronics Engineering	EEE
03	Mechanical Engineering	ME
04	Electronics and Communication Engineering	ECE
05	Computer Science Engineering	CSE
06	Information Technology	IT

#### a) Attendance Requirements

1. A student shall be eligible to appear for end semester examinations if he/she acquires a minimum of 75% of attendance in aggregate of all the subjects.
2. Condonation of shortage of attendance in aggregate up to 10% (65% and above)

and below 75%) in each semester for genuine reasons and shall be approved by a committee duly appointed by the principal.

3. A student shall be eligible to claim for condonation of attendance shortage for a maximum of two times during the four-year (eight semesters) course work of regular B. Tech / three-year (six semesters) course work of B. Tech, Lateral Entry. The college academic committee has to recommend case-by-case based on genuinity.
4. A Student will not be promoted to the next semester (i.e. detained in the same semester) unless she /she satisfy the attendance requirement of the present semester. They may seek re-admission for that semester when offered next.
5. **Shortage of attendance below 65% in aggregate shall be condoned, in NO case.**
6. Students, who do not condone the shortage of attendance in any semester, are not eligible to take their end examination of that class and their registration shall stand cancelled.

#### b) Promotion Policy

<b>B.Tech. (Regular) 4-Year Program</b>	
To get promoted to III Year from II year	<ul style="list-style-type: none"> <li>▪ A student has to acquire 55% of credits (Rounded to next highest credits) from both regular and supplementary examinations of first year and second year respectively.</li> <li>▪ However, attendance requirement mentioned in item No.2 (a) is mandatory.</li> </ul>
To get promoted to IV year from III year	<ul style="list-style-type: none"> <li>▪ A student has to 55% of credits (Rounded to next highest credits) from both regular and supplementary examinations of first year, second year and third year respectively.</li> <li>▪ However, attendance requirement mentioned in item No.2 (a) is mandatory.</li> </ul>
<b>B.Tech. (Lateral Entry) 3-Year Program</b>	
To get promoted to III Year from II year	A student has to put up the minimum required attendance in the second year as mentioned in item No.2 (a)
To get promoted to IV year from III year	<ul style="list-style-type: none"> <li>▪ A Student has to acquire 55% of credits (Rounded to next highest credits) from both regular and supplementary examinations of second year and third year respectively.</li> <li>▪ However, attendance requirement mentioned in item No.2 (a) is mandatory.</li> </ul>

#### c) Course Pattern

1. The entire B.Tech. program study (under regular scheme) is of four academic

years and each year will have two semesters (Total of **eight** semesters).

- The entire B.Tech. program study (under Lateral entry scheme) is of three academic years and each year will have two semesters (Total of **six** semesters).
- A student, eligible to appear for the end examination in a subject/lab, but absent for it or has failed in the end examination, may appear for that subject's / lab's supplementary examinations, when offered.
- When a student detained due to lack of credits / shortage of attendance, he/she may be re-admitted when the semester is offered, after fulfillment of academic regulations. Whereas the academic regulations hold good, with the regulations he/she first admitted.

#### d) Internal Assessment

- Each theory course shall be evaluated for a total of 100 marks through two modes of assessments in the following proportion.

Internal Assessment	External Assessment (Semester End Examination)
<b>40 Marks</b>	<b>60 Marks</b>

- The internal assessment will be as carried out as given below.

<b>Internal assessment (40 Marks)</b>			
<b>Components</b>			<b>Marks</b>
<b>MID Examination</b>			
<b>MID-I</b>	• Subjective test (20 M)	<b>MID Marks awarded as: 0.8 (Max. of MID – I &amp;II) + 0.2 (Min. of MID – I &amp;II)</b>	<b>30</b>
	• Objective test (10 M)		
<b>MID-II</b>	• Subjective test (20 M)		
	• Objective test (10 M)		
<b>Assignment</b>			
• Two Individual Assignments (10 M)		<b>Assignment marks awarded as average marks of all three</b>	<b>10</b>
• One Group Assignment (10 M)			
• One Case Study (10 M)			
<b>Total</b>			<b>40</b>

- For theory subjects, during the semester, there shall be two **MID** examinations and their syllabus for subjective and objective parts should be as given below.

<b>Name of Examination</b>	<b>Syllabus</b>	<b>Subjective</b>	<b>Objective (Online mode)</b>
I MID	I, II and III Units	Duration: 90 min.	Duration: 20 min.
II MID	IV, V and VI Units	4 Q × 5 M	20 MCQ × ½ M

- For the subjects such as Engineering Graphics, Engineering Drawing, Machine Drawing, Design & Drawing of R.C. structures, Steel structures, Irrigation structures, Estimation Cost and Valuation, Building Planning and drawing etc., the distribution of marks for internal and external evaluation shall be as given below.

Internal evaluation		External evaluation	
Component	Marks	Component	Marks
Day to day work	20	Semester end examination	60
Internal test (Best of two internal tests in a semester)	20		
Total	40	Total	60

**e) External Assessment**

- For all the theory subjects, the semester end examination pattern will be as given below. Students has to answer all the questions.

Name of Examination	Syllabus	Subjective
Semester end examination	All Units (I to VI Units)	Duration: 180 min. 6 Q with choice × 10 M

- A student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each theory or practical, design or drawing subject or project, if he/she secures not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the internal evaluation and end examination taken together.
- For subjects like Engineering Drawing / Engineering Graphics Machine Drawing, Building Planning & Drawing, etc., the pattern of semester end examination will be given along with the syllabus of respective subject and has to be conducted for 60 marks.

**f) Laboratory Assessment**

For practical or laboratory subjects the distribution of marks shall be as follows:

Internal evaluation (50 Marks)		External evaluation (50 Marks)	
Component	Marks	Component	Marks
Day-to-day performance	20	Semester End Examination script	20
Record work	10	Conduction of experiment	20
Internal lab exam	5	Viva-voce	10
Conduction of experiment	10		
Viva-voce	5		
Total	50	Total	50

**g) Skill Assessment**

For skill development courses, the distribution shall be 40 marks for internal evaluation and 60 marks for end examination and further split in marks shown in the table.

Internal evaluation (40 Marks)		External evaluation (60 Marks)	
Component	Marks	Component	Marks
Assignment	5	End examination script	20
Descriptive examination	10	Conduction of experiment	20
Day-to-day performance	5	Skill Project report	10
Lab test	10	Viva-Voce	5
Seminar with skill report	10	Seminar	5
Total	40	Total	60

#### h) Technical Essential (Elective)

1. It is optional and additional certificate will be provided. The additional credits will be '2'.
2. This course shall be evaluated for 100 marks out of which 40 marks are allotted for internal assessment and 60 marks are allotted for external examination.

#### i) Internship/Mini Project/Audit Course Assessment

1. The internship shall be carried out during the summer break for a minimum of 4 weeks after the sixth semester and should be completed before the start of the seventh semester.
2. The mini project should be carried out during seventh semester. A report has to be submitted for assessment by an internal evaluation committee. The evaluation will be as mentioned below.

Evaluation by Internal evaluation committee for 50 Marks		
Internal evaluation committee members are:	Components	Marks
1. Supervisor of the project	Seminar	20
2. Project coordinator	Project Report	10
3. Head of the department	Viva-voce	20
<b>Total</b>		<b>50</b>

3. For Audit courses, there should be an internal evaluation for 50 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. There shall be NO external evaluation. For noncredit courses 'Satisfactory' or 'Unsatisfactory' shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA

#### j) Project Work Assessment

The final project work shall be carried out during the eighth semester and will be evaluated for 100 marks. Out of 100 marks, 40 marks shall be for Internal evaluation and 60 marks for the external evaluation and the components of evaluation are as given in the table.

Internal evaluation (40 Marks)		External evaluation (60 Marks)	
<b>Project committee members:</b>		<b>Project committee members:</b>	
<ul style="list-style-type: none"> <li>• Supervisor of the project,</li> <li>• Project coordinator (senior faculty)</li> <li>• Head of the Department</li> </ul>		<ul style="list-style-type: none"> <li>• External Examiner</li> <li>• Head of the Department</li> <li>• Supervisor of the project</li> </ul>	
Component	Marks	Component	Marks
Seminar-I	10	Project Report	20
Seminar-II	15	Project Presentation (Seminar)	20
Seminar-III	15	Viva-Voce	20
Total		Total	
40		60	

### k) Award of Class

1. After satisfying the requirements prescribed for the completion of the program, the student shall be eligible for the award of B. Tech Degree and shall be placed in one of the following grades:

Academic Performance (Theory/ Drawing)	Academic Performance (Laboratory/Project)	Letter grade	Grade points
90% to 100%	90% to 100%	O (Outstanding)	10
80% to <90%	80% to <90%	A+ (Excellent)	9
70% to <80%	70% to <80%	A (Very Good)	8
60% to <70%	60% to <70%	B+ (Good)	7
50% to <60%	50% to <60%	B (Above Average)	6
45% to <50%	-	C (Average)	5
40% to <45%	-	P (Pass)	4
Below 40%	Below 50%	F (Fail)	0
Absent	Absent	AB (Absent)	0

2. The performance of each student at the end of each semester is indicated in terms of SGPA. The SGPA is calculated as given below:

$$SGPA = \frac{\sum(C \times GP)}{\sum C} \text{ for each semester}$$

Where,

C = Credits of a course

GP = Grade Points awarded for a course

\* SGPA is calculated for a candidate who passed all the courses in that semester.

3. Award of class for UG Programme

CLASS AWARDED	CGPA
First class with distinction	$\geq 7.5$
First Class	$\geq 6.5 \ \& \ < 7.5$
Second Class	$\geq 5.5 \ \& \ < 6.5$
Pass Class	$\geq 4.5 \ \& \ < 5.5$

$$\text{Equivalent Percentage} = (CGPA - 0.5) \times 10$$

### 3. Revaluation

Student can submit the application for revaluation, along with the prescribed fee receipt for revaluation of his answer scripts (S) of theory course) as per the notification issued by the Controller of Examination.

### 4. Re-Admission/Re-Registration/Re-Appearence

#### (a) Re-Admission for discontinued students

Students who have discontinued the Degree Programme due to any reasons what so ever, may be considered for re-admission in to the same Degree Programme with the regulations prevailing at the time of re-admission, with prior permission from the concerned authorities.

#### (b) Re-Registration for Detained students

When any student is detained due to shortage of attendance in any semester, he/she may be permitted to re-register for the same or equivalent subject (as suggested by the Board of Studies of that Department)as when offered in the subsequent semester following the same regulations with which he/she got admitted, with prior permission from the concerned authorities.

#### (c) Transfer candidates (from non-autonomous college affiliated to JNTUK)

A student who is following JNTUK curriculum, transferred from other college to his college in second year first semester or subsequent semesters shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies concerned for that batch of students from that semester on wards to be eligible for the award of degree. However, exemption will be given in the courses of the semester(s) of the batch which he had passed earlier and substitute subjects are offered in their place as decided by the Board of Studies. The student has to clear his backlog subjects up to previous semester by appearing for the supplementary examinations conducted by JNTUK for the award of degree. The total number of credits to be secured for the award of the degree will be the sum of the credits up to previous semester under JNTUK regulations and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

#### (d) Transfer candidates (from an autonomous college affiliated to JNTUK)

A student who has secured the required credits up to previous semesters as per the regulations of other autonomous institutions shall also be permitted to be transferred to this college. A student, who is transferred from the other autonomous colleges to this college in second year first semester or subsequent semesters, shall join with the autonomous batch in the appropriate semester. Such candidates shall be required to pass in all the courses in the program prescribed by the Board of Studies, concerned for that batch of students, from that semester on wards to be eligible for the award of degree. However,

exemption will be given in the courses of the semester(s) of the batch, which he/she had passed earlier, and substitute subjects are offered in their place as decided by the Board of Studies. The total number of credits to be secured for the award of the degree will be the sum of the credits up to previous semester as per the regulations of the college from which he/she is transferred and the credits prescribed for the semester in which a candidate joined after transfer and subsequent semesters under the autonomous stream. The class will be awarded based on the academic performance of a student in the autonomous pattern.

**(e) Withholding of Results**

If the student has not paid dues to college, or if any case of indiscipline is pending against him/her, the result of the candidate may be withheld and he/she 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.

**5. Minimum Instruction Days**

The minimum instruction days for each semester shall be 90 clear instruction days.

**6. General**

- The academic regulation should be read as a whole for the purpose of any interpretation.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the college academic committee is final.
- The Principal may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the College.
- The college reserves the right of altering the Academic Regulations and/or Syllabus/Course Structure, as and when necessary. The modifications or amendments may be applicable to all the candidates on rolls, as specified by the college.
- Wherever the words 'he' or 'him' or 'his' occur in the above regulations, they will also include 'she' or 'her' or 'hers'.
- Wherever the word 'Subject' occurs in the above regulations, it implies the 'Theory Subject', 'Practical Subject' or 'Lab.' and 'Seminar'.