



# Jawaharlal Nehru Technological University Anantapur

(Established by Govt. of A.P., Act. No. 30 of 2008)

Ananthapuramu-515 002 (A.P) India

## Academic Regulations (R20) for B. Tech (Regular-Full time)

(Effective for the students admitted into I year from the Academic  
Year **2020-2021** onwards)

and

## Academic Regulations (R20) for B.Tech(Lateral Entry Scheme)

(Effective for the students getting admitted into II year through Lateral  
Entry Scheme from the Academic Year **2021-2022** onwards)

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TECHNOLOGY & SCIENCES  
C.K. Dinne (V&M),  
KADAPA - 516 003. (A.P.)

#### 4. Admissions:

Admission to the B. Tech Program shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University from time to time. Admissions shall be made either based on the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.

#### 5. Program related terms:

- a) **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/Tutorial) or two hours of practical work/field work per week.

Credit definition:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credit
2 Hrs. Practical (Lab) per week	1 credit

- b) **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- c) **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses.

#### 6. Structure of the Undergraduate Programme

All courses offered for the undergraduate program (B. Tech.) are broadly classified as follows:

S No.	Category	Code	Breakup of Credits (Total 160)
1.	Humanities and Social Science including Management courses	HS	10.5
2.	Basic Science courses	BS	21
3.	Engineering Science Courses	ES	24
4.	Professional Core Courses	PC	51
5.	Professional Elective Courses	PE	15
6.	Open Elective Courses	OE	12
7.	Skill Oriented Courses	SC	10
8.	Internship, Project work	PR	16.5
9.	Non-credit Mandatory Courses	MC	Non credit

#### 7. Programme Pattern

- Total duration of the of B. Tech (Regular) Programme is four academic years
- Each academic year of study is divided into two semesters.
- Minimum number of instruction days in each semester is 90.
- There shall be mandatory student induction program for freshers, with a three-week duration before the commencement of first semester. Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to

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## Academic Regulations (R19) for B. Tech (Regular-Full time)

(Effective for the students admitted into I year from the Academic  
Year **2019-2020** onwards)

and

## Academic Regulations (R19) for B.Tech (Lateral Entry Scheme)

(Effective for the students getting admitted into II year through Lateral  
Entry Scheme from the Academic Year **2020-2021** onwards)

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## I. Award of B.Tech. Degree

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

- i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would not be counted in the maximum period permitted for graduation.
  - ii) Registers for 160 credits and secures all 160 credits.
  - iii) A student will be eligible to get Under Graduate degree with Honours or one Minor Engineering, if he/she completes an additional 20 credits.
  - iv) A student will be permitted to register either for Honours degree or one Minor Engineering but not both.
2. Students, who fail to fulfil all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled.

### 3. Programs offered by the University:

The following programs are offered at present as specializations for the B. Tech. course for non-autonomous, constituent & affiliated colleges from 2019-2020.

S. No.	Name of the Program	Program Code
1.	Civil Engineering	01
2.	Electrical and Electronics Engineering	02
3.	Mechanical Engineering	03
4.	Electronics and Communication Engineering	04
5.	Computer Science and Engineering	05
6.	Electronics and Instrumentation Engineering	10
7.	Information Technology	12
8.	Food Technology	27

and any other course as approved by the authorities of the University from time to time.

### 4. About Program related terms:

- i. **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/Tutorial) or two hours of practical work/field work per week.
- ii. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- iii. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses.
- iv. Each course is assigned certain number of credits based on following criterion:

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## 1. Award of the Degree

### a) Award of the B.Tech. Degree

A student will be declared eligible for the award of the B.Tech. degree if he/she fulfils the following:

- i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Eight years).
- ii) Registers for 160 credits and secures all 160 credits.

### b) Award of B.Tech. degree with Honours/Minor

A student will be declared eligible for the award of the B.Tech. with Honours/Minor if he/she fulfils the following:

- i) Student secures additional 20 credits fulfilling all the requisites of a B.Tech. program i.e., 160 credits
- ii) A student is permitted to register either for Honours or a Minor but not for both. Registering for Honours/Minor is optional.
- iii) Honours/Minor is to be completed simultaneously with B.Tech. programme.

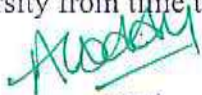
2. Students, who fail to fulfil all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled. This clause shall be read along with clause 1 a) i).

## 3. Courses of study:

The following courses are offered at present as specializations for the B. Tech. program for non-autonomous, constituent & affiliated colleges from 20120-21

S. No.	Name of the Program	Program Code
1.	Civil Engineering	01
2.	Electrical and Electronics Engineering	02
3.	Mechanical Engineering	03
4.	Electronics and Communication Engineering	04
5.	Computer Science and Engineering	05
6.	Information Technology	12
7.	Food Technology	27
8.	Artificial Intelligence & Data Science	30
9.	Computer Science and Engineering (Artificial Intelligence)	31
10.	Computer Science and Engineering (Data Science)	32
11.	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	33
12.	Computer Science and Engineering (IoT)	35

and any other course as approved by the authorities of the University from time to time.

  
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