



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh (India)

Academic Regulations 2010 for B. Tech. (Regular)

(Effective for the students admitted in to I year from the Academic Year 2010-2011 and onwards)

1. Award of B.Tech. Degree

A student will be declared eligible for the award of the B. Tech. Degree if he fulfills the following academic regulations.

- (a) Pursued a course of study for not less than four academic years and not more than eight academic years. However, the student is permitted to write Supplementary examinations for two more years, giving a facility to the student to complete the Degree within 10 academic years.
- (b) Registered for **208** credits and secured **200** credits with compulsory subjects: (compulsory subjects are: all Laboratories and Project work, i.e. the student shall pass all laboratory examinations and project work)

2. Students, who fail to complete their Four years Course of study within Eight years or fail to acquire the 200 Credits for the award of the degree within ten academic years from the year of their admission, shall forfeit their seat in B. Tech course and their admission shall stand cancelled.

3. Courses of study

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

S. No.	Branch Code-Abbreviation	Branch
01	01-CE	Civil Engineering
02	02-EEE	Electrical and Electronics Engineering
03	03-ME	Mechanical Engineering
04	04-ECE	Electronics and Communication Engineering
05	05-CSE	Computer Science Engineering
06	08-CHEM	Chemical Engineering
07	10-EIE	Electronics and Instrumentation Engineering
08	11-BME	Bio – Medical Engineering
09	12-IT	Information Technology
10	19-ECom.E	Electronics and Computer Engineering
11	21-AE	Aeronautical Engineering
12	23-BT	Bio – Technology
13	24-AME	Auto Mobile Engineering
14	25-PCE	Petro Chemical Engineering
15	26-MM	Mining
16	27-PT	Petroleum Technology

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

4. Distribution and Weightage of Marks

- (i) The performance of a student in each semester shall be evaluated subject – wise with a maximum of 100 marks for theory and 75 marks for practical subject. The project work shall be evaluated for 200 marks.
- (ii) For theory subjects the distribution shall be 25 marks for Internal Evaluation And 75 mark for the End - Examinations.
- (iii) Out of 25 internal marks – 10 marks are assigned for subjective exam, 10 marks for objective “On Line” exam and 5 marks for attendance.
- (iv) For theory subjects, the marks for attendance are to be given as follows:

% of Attendance	Marks
< 75%	0
75% to <80%	1
80% to <85%	2
85% to <90%	3
90% to < 95%	4
95% and above	5

- (v.) For theory subjects, during the semester there shall be 2 tests. Each test consists of 20 minutes duration objective “On Line” exam for 10 marks and **120 minutes** duration subjective exam for **40 marks**. The Objective exam marks for 10 and subjective exam marks scaled for 10 to be added to get test marks for 20. The best of the two tests will be taken for internal marks. The first test to be conducted in 1-4 units and second test in 5-8 units of each semester.

Each Objective question paper shall contain 20 objective type questions for 10 marks. This examination is conducted “**on line**” to train the student for on line examinations such as GRE, GMAT etc.

Each subjective type test question paper shall contain **4 questions** and all questions need to be answered. The subjective type question paper should be for **40 marks**.

- (vi.) For practical subjects there shall be continuous evaluation during the semester for 25 internal marks and 50 semester end examination marks. Of the 25 marks for internal, 15 marks shall be awarded as follows: day to day work 10 and Record-5, and 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.
- (vii.) For the subject having design and / or drawing, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 25 marks for internal evaluation (15 marks for day – to – day work, and 10 marks for internal tests) and 75 marks for end examination. There shall be two internal tests in a Semester and the better of the two shall be considered for the award of marks for internal tests.

- (viii.) Out of a total of 200 marks for the project work, 50 marks shall be for Internal Evaluation and 150 marks for the End Semester Examination. The End Semester Examination (Viva – Voce) shall be conducted by the committee. The committee consists of an external examiner, Head of the Department and Supervisor of the Project. The evaluation of project work shall be conducted at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of his project and evaluated by an internal committee.
- (ix.) Laboratory marks and the internal marks awarded by the College are not final. The marks are subject to scrutiny and scaling by the University wherever felt desirable. The internal and laboratory marks awarded by the College will be referred to a Committee. The Committee shall arrive at scaling factor and the marks will be scaled as per the scaling factor. The recommendations of the Committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective departments as per the University norms and shall be produced to the Committees of the University as and when they ask for.

5. Attendance Requirements :

- (i.) A student shall be eligible to appear for University examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects.
- (ii.) 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 college. The condonation approved or otherwise can be reviewed by the University.
- (iii.) A Student will not be promoted to the next semester unless he satisfies the attendance requirement of the present semester. They may seek re-admission for that semester when offered next.
- (iv.) **Shortage of Attendance below 65% in aggregate shall in NO case be condoned.**
- (v.) Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.
- (vi.) A fee stipulated by the university shall be payable towards condonation of shortage of attendance.

6. Minimum Academic Requirements:

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item No. 5.

- (i.) 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 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.
- (ii.) A student will be promoted to second year, if he put up the minimum attendance requirement.

- (iii.) A student shall be promoted from II to III year only if he fulfills the academic requirement of total 50 credits from regular and supplementary examinations of I year and II year examinations, irrespective of whether the candidate takes the examination or not.
- (iv.) A student shall be promoted from third year to fourth year only if he fulfills the academic requirements of total 78 credits from regular and supplementary I Year, II Year and III Year examinations, irrespective of whether the candidate takes the examinations or not.
- (v.) A student shall register and put up minimum attendance in all 208 credits and earn at least 200 credits. Marks obtained in the best of 200 credits shall be considered for the calculation of percentage of marks.
- (vii.) Students, who fail to complete their Four year Course study within Eight years or fail to acquire the 200 Credits for the award of the degree within ten academic years from the year of their admission, shall forfeit their seat in B. Tech course and their admission shall stand cancelled.

8. Course pattern:

- (i.) The entire course of study is of four academic years and each year will have TWO Semesters (Total EIGHT Semesters).
- (ii.) A student eligible to appear for the end examination in a subject, but absent for it or has failed in the end examinations may appear for that subject's **supplementary** examinations, when offered.
- (iii.) When a student is detained due to lack of credits / shortage of attendance, he 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.

9. Award of Class :

After having satisfied 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:**

Class Graded	% of marks to be secured	From the aggregate marks secured from the best 200 Credits.
E	40% to < 50%	
D	50% to < 60%	
C	60% to < 70 %	
B	70 % to < 80 %	
A	80 % to < 90%	
O	90 and above	

(The marks in internal evaluation and end examination shall be shown separately in the marks memorandum)

10. Minimum Instruction Days:

The minimum instruction days for each semester shall be 95 clear instruction days.

11. There shall be no branch transfer after the completion of admission process.

12. There shall be no transfer within the Constituent Colleges.

13. General:

- (i.) Where the words "he" "him" "his", occur in the regulations, they include "she", "her", "hers".
- (ii.) The academic regulation should be read as a whole for the purpose of any interpretation.
- (iii.) In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice – Chancellor is final.
- (iv.) The University 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 University.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh (India)

Academic Regulations 2010 for B. Tech. (Lateral Entry Scheme)

(Effective for the students getting admitted into II year from the Academic Year 2011- 2012 and onwards)

1. Award of B. Tech. Degree

A student will be declared eligible for the award of the B. Tech. Degree if he fulfills the following academic regulations.

- (a.) Pursued a course of study for not less than three academic years and not more than six academic years. However, the student is permitted to write Supplementary examinations for two more years, giving a facility to the student to complete the Degree within 8 academic years.
- (b.) Registered for 164 credits and secured 156 credits with compulsory subjects: (compulsory subjects are: all Laboratories and Project work, i.e., the students i.e. the student shall pass all laboratory examinations and project work.

2. Students, who fail to complete their three year Course study within six years or fail to acquire the 156 Credits for the award of the degree within 8 academic years from the year of their admission, shall forfeit their seat in B. Tech course and their admission shall stand cancelled.

3. Promotion Rule:

- (a.) A lateral entry student will be promoted to II year to III year if he puts up the minimum required attendance in II year.
- (b.) A student shall be promoted from third year to fourth only if he fulfills the academic requirements of 56 credits from the II Year and III Year examinations , whether the candidate takes the examinations or not.

4. Award of Class:

After having satisfied 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:

Class Graded	% of marks to be secured	From the aggregate marks secured from the best 156 Credits.
E	40% to < 50%	
D	50% to < 60%	
C	60% to < 70 %	
B	70 % to < 80 %	
A	80 % to < 90%	
O	90 and above	

(The marks in internal evaluation and end examination shall be shown separately in the marks memorandum)

5. All other regulations as applicable for B. Tech. Four- year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme)