



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR  
COLLEGE OF ENGINEERING (AUTONOMOUS), PULIVENDULA  
Academic Regulations 2014 for M. Tech (PTPG)**

(Applicable for the students admitted during the Academic Year 2014 -15 and onwards)

**1. ELIGIBILITY FOR ADMISSION:**

Admission to the above program shall be made subject to the eligibility, qualification and specialization prescribed by the University for each Program from time to time.

- i. Admission shall be made either on the basis of merit/rank obtained by the qualifying candidates in written exam conducted by the University or otherwise specified, whichever is relevant.
- ii. The candidates **must be employed** in and around Pulivendula Town.
- iii. **COURSES OFFERED**

S.No.	Department	Specialization
01.	Electrical & Electronics Engineering (EEE)	Electrical Power Systems (EPS)
02.	Mechanical Engineering (ME)	Computer Aided Design & Computer Aided Manufacturing (CAD&CAM)
03.	Electronics & Communication Engineering (ECE)	Digital Electronics & Communication Systems (DECS)
04.	Computer Science & Engineering (CSE)	Computer Science & Engineering (CSE)

And any other course as approved by the competent authorities from time to time

**2. AWARD OF M.TECH. DEGREE:**

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

- i. He/she has pursued a course of study for not less than six semesters and not more than twelve semesters.
- ii. Students who fail to fulfill all the academic requirements for the award of the degree within twelve semesters from the year of their admission, shall forfeit their seat in the course and their seat shall stand cancelled.
- iii. Register for 68 credits and secure all 68 credits

**3. COURSE WORK:**

The programs are offered on a semester basis consisting of six semesters.

- i. The candidates undergo three theories and one laboratory course during the first and Third semesters and two theory and one laboratory courses during the second and fourth semesters. During the fifth and sixth semesters the candidates shall pursue the dissertation in the concerned specialization only. The theme of dissertation should conform to the specialization.

- ii. There shall be **two seminars** (seminar-I, and seminar -II) related to thesis/dissertation. Out of two seminars related to thesis/dissertation, seminar-I shall be conducted in the V<sup>th</sup> semester and the seminar-II will be in VI<sup>th</sup> semester.
- iii. A candidate has to either present a paper in any national or international conference organized by AICTE recognized college/institution, or, publish/get acceptance for publication of a paper in peer-reviewed journals before the submission of thesis.
- iv. Only on successful completion of all the prescribed courses, the candidate will be permitted to submit the thesis/dissertation. Three copies of the thesis / dissertation certified by the supervisor in the prescribed form shall be submitted to the College. Once a student fails to submit the thesis within the stipulated period of six semesters, extension of time up to twelve semesters may be permitted by the Principal with recommendation of the College Academic Committee.
- v. The Thesis/Dissertation will be adjudicated by one external examiner appointed by the Principal.
- vi. If the report of the external examiner is favorable, a viva-voce examination shall be conducted by a board consisting of Head of the department, the supervisor and the external examiner who adjudicated the thesis / dissertation. The board shall jointly report the candidate's work as :
 

A - Excellent	B - Good
C - Satisfactory	D - Unsatisfactory
- vii. If the report of the viva-voce is not satisfactory, the candidate will re-register for the viva-voce examination after three months by paying prescribed fee. If he/she fails to get a satisfactory report at the second viva-voce examination, he/she will not be eligible for the award of the degree unless the candidate is asked to revise and resubmit the thesis / dissertation.

#### **4. EVALUATION:**

The performance of the candidate in each semester program shall be evaluated subject wise, with a maximum of 100 marks for theory and 50 marks for practical examination, on the basis of Internal Evaluation and End external examination.

- i. For the theory subjects 60% of the marks will be for the End external Examination and 40% of the marks will be for Internal Evaluation.
- ii. There shall be five units in each of the theory subjects.
- iii. Two Midterm Examinations shall be held during the semester. First midterm examination shall be conducted for I & II unit syllabus and second midterm examination shall be conducted for the III, IV & V Unit syllabus. In each midterm exam, a student shall answer all three questions in 2 hours of time without any choice. Final Internal marks for a total of 40 marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage to the better mid exam and 20% to the other.
- iv. The following pattern shall be followed in the End Examination.
  - a. Five questions shall be set from each of the five units with either/or type for 12 marks each.
  - b. All the questions have to be answered compulsorily.
  - c. Each question may consist of one, two or more bits.

- v. For practical subjects, 60% marks shall be for the End Examinations and 40% marks will be for internal evaluation. The end examination shall be conducted by the concerned laboratory teacher and another examiner from the same department nominated by the Principal. The internal marks will be awarded by the concerned laboratory teacher based on the performance.
- vi. For Seminar, there will be an internal evaluation for 100 marks, with 50 marks in each semester. The student shall give a seminar in each semester on the progress of his M.Tech. thesis. He/she has to secure a minimum of 50% to be declared successful. The assessment will be made by a Board consisting of Head of the Department, Thesis supervisor, and one senior faculty member.
- vii. A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.
- viii. In case the candidate does not secure the minimum aggregate marks as specified in 5 (vii) he has to reappear for the semester examination, either in supplementary or in regular, in that subject.

#### **5. RE-REGISTRATION FOR IMPROVEMENT OF INTERNAL EVALUATION MARKS**

Following are the conditions to avail the benefit of improvement of internal evaluation marks.

- i. The candidate should have completed the course work and obtained examinations results for I & II semesters.
- ii. He should have passed all the subjects for which the Internal evaluation marks secured are more than 50%.
- iii. Out of the theory subjects, if the candidate has failed to obtain 50% of total marks in any subject due to Internal evaluation marks secured being less than 20 marks (50%), then the candidate shall be given one chance for registration of that subject for Improvement of Internal evaluation marks. However, a candidate shall not be permitted for re-registration of more than three such theory subjects.
- iv. For each subject, the candidate has to pay a fee equivalent to one third of the semester tuition fee.
- vi. In the event of availing the Improvement of Internal evaluation marks, the internal evaluation marks as well as the End Examinations marks secured in the previous attempt(s) for the reregistered subjects shall stand cancelled.

#### **6. ATTENDANCE:**

The candidate shall put in a minimum of 75% attendance in aggregate of all subjects in a semester.

- i. Condonation of shortage of attendance up to 10% in any subject i.e. from 65% and above and less than 75% may be given by the College Academic Committee.
- ii. Condonation of shortage of attendance shall be granted only on genuine and valid reasons on representation by the candidate with supporting evidence.

- iii. If the candidate has not satisfied the attendance requirements in a semester he/she will have to repeat that semester.

#### **7. AWARD OF DEGREE AND CLASS:**

A candidate shall be eligible for the award of M.Tech degree if he/she satisfies the minimum academic requirements in every subject and secures at least satisfactory report on his thesis/dissertation viva-voce examination.

First Class with Distinction	70% or more
First Class	Below 70% but not less than 60%
Second Class	Below 60% but not less than 50%

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

Further, percentage to the extent of 0.5% will be rounded off to next higher digit, to effect change of class from pass class to Second class, Second class to First class, First class to First class with distinction for all the courses being offered, without adding any marks to the original marks secured by the students.

#### **8. WITHHOLDING OF RESULTS:**

If the candidate has any dues not paid to the college or if any case of indiscipline or malpractice is pending against him, the result of the candidate shall be withheld and he will not be allowed /promoted into the next higher semester. The issue of awarding degree is liable to be withheld in such cases.

#### **9. TRANSITORY REGULATIONS:**

Candidates who have discontinued or have been detained for want of attendance or who have failed after having undergone the course are eligible for admission to the same or equivalent subjects as and when subjects are offered, subject to 4(viii) and 2(ii) and they will be in the academic regulations into which the candidate is presently readmitted.

#### **10. GENERAL:**

The academic regulations should be read as a whole for purpose of any interpretation.

- i. The college reserves the right of altering the regulations as and when necessary. The regulations altered may be applicable to all the candidates on rolls.
- ii. Wherever the word he, him or his occur, it will also includes she, her.
- iii. There shall be no place transfer within the constituent colleges of Jawaharlal Nehru Technological University Anantapur during the entire course of the programme.