

M.TECH. ACADEMIC REGULATIONS

(Effective for the students admitted into first year from the Academic Year 2013 - 14)

The M.Tech. Degree of Jawaharlal Nehru Technological University Kakinada shall be recommended to be conferred on candidates who are admitted to the program and fulfill all the following requirements for the award of the Degree.

1.0 ELGIBILITY FOR ADMISSION:

Admission to the above program shall be made subject to the eligibility, qualifications and specialization as per the guidelines prescribed by the APSCHE and AICTE from time to time.

2.0 AWARD OF M.TECH. DEGREE:

- a. A student shall be declared eligible for the award of the M.Tech. degree, if he pursues a course of study and completes it successfully for not less than two academic years and not more than four academic years.
- b. A student, who fails to fulfill all the academic requirements for the award of the Degree within four academic years from the year of his admission, shall forfeit his seat in M.Tech. Course.
- c. The duration of each semester shall normally be 20 weeks with 5 days a week. A working day shall have 7 periods each of 50 minutes.

3.0 STRUCTURE OF THE PROGRAMME:

Semester	No. of Courses per Semester	Credits
	Theory + Lab	
I	(5 +1*) + 1	20
II	(5+1*) + 1	20
III	Seminar	02
III, IV	Project Work	40
	TOTAL	82

*Elective

4.0 ATTENDANCE:

The attendance shall be considered subject wise.

- a. A candidate shall be deemed to have eligibility to write his end semester examinations in a subject if he has put in at least 75% of attendance in that subject.
- b. Shortage of attendance up to 10% in any subject (i.e. 65% and above and below 75%) may be condoned by a Committee on genuine and valid reasons on representation by the candidate with supporting evidence.
- c. Shortage of attendance below 65% shall in no case be condoned.
- d. A student who gets less than 65% attendance in a maximum of two subjects in any semester shall not be permitted to take the end- semester examination in which he/she falls short. His/her registration for those subjects will be treated as cancelled. The student shall re-register and repeat those subjects as and when they are offered next.
- e. If a student gets less than 65% attendance in more than two subjects in any semester he/she shall be detained and has to repeat the entire semester.

5.0 EVALUATION:

The performance of the candidate in each semester shall be evaluated subject-wise with 100 marks for each theory subject and 100 marks for each practical, on the basis of Internal Evaluation and External End -Semester Examination.

The question paper of the external end semester examination shall be set externally and valued both internally and externally. If the difference between the first and second valuations is less than or equal to 9 marks, the better of the two valuations shall be awarded. If the difference is more than 9 marks, the scripts are referred to third valuation and the corresponding marks are awarded.

- a. 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 Semester Examination and aggregate minimum of 50% of the total marks of the End Semester Examination and Internal Evaluation taken together.

- b. For the theory subjects, 60 marks shall be awarded based on the performance in the End Semester examination and 40 marks shall be awarded based on the Internal Evaluation. One part of the internal evaluation shall be made based on the average of the marks secured in the two internal examinations of 30 marks each conducted one in the middle of the Semester and the other immediately after the completion of instruction. Each mid-term examination shall be conducted for a duration of 120 minutes with 4 questions without any choice. The remaining 10 marks are awarded through an average of continuous evaluation of assignments / seminars / any other method, as notified by the teacher at the beginning of the semester.
- c. For practical subjects, 50 marks shall be awarded based on the performance in the End Semester Examinations, 50 marks shall be awarded based on the day-to-day performance as Internal marks. A candidate has to secure a minimum of 50% in the external examination and has to secure a minimum of 50% on the aggregate to be declared successful.
- d. There shall be a seminar presentation during III semester. For seminar, a student under the supervision of a faculty member(advisor), shall collect the literature on a topic and critically review the literature and submit it to the Department in a report form and shall make an oral presentation before the Departmental Committee. The Departmental Committee shall consist of the Head of the Department, advisor and two other senior faculty members of the department. For Seminar, there will be only internal evaluation of 50 marks. A candidate has to secure a minimum of 50% to be declared successful.
- e. In case the candidate does not secure the minimum academic requirement in any subject (as specified in 5.a to 5.c), he has to reappear for the End Examination in that subject. A candidate shall be given one chance to re-register for each subject provided the internal marks secured by a candidate in that subject is less than 50% and he has failed in the end examination. In such a case, the candidate must re-register for the subject (s). In the event of re-registration, the internal marks and end examination marks obtained in the previous attempt are nullified.

- f. In case the candidate secures less than the required attendance in any subject(s), he shall not be permitted to appear for the End Examination in those subject(s). He shall re-register for the subject(s) when they are next offered.
- g. Laboratory examination for M.Tech. subjects must be conducted with two Examiners, one of them being Laboratory Class Teacher and second examiner shall be other than the Laboratory Teacher.

6.0 EVALUATION OF PROJECT / DISSERTATION WORK:

- Every candidate shall be required to submit the thesis or dissertation after taking up a topic approved by the Departmental Research Committee (DRC).
- a. A Departmental Research Committee (DRC) shall be constituted with the Head of the Department as the Chairman and two senior faculty as Members to oversee the proceedings of the project work from allotment of project topic to submission of the thesis.
 - b. A Central Research Committee (CRC) shall be constituted with a Senior Professor as Chair Person, Heads of the Departments which are offering the M.Tech. programs and two other senior faculty members from the same department.
 - c. Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects (theory and practical subjects.)
 - d. After satisfying 6.0 c, a candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work to the DRC for its approval. Only after obtaining the approval of DRC the student can initiate the Project work.
 - e. If a candidate wishes to change his supervisor or topic of the project he can do so with the approval of the DRC. However, the Departmental Research Committee shall examine whether the change of topic/supervisor leads to a major change in his initial plans of project proposal. If so, his date of registration for the Project work shall start from the date of change of Supervisor or topic as the case may be whichever is earlier.

- f. A candidate shall submit and present the status report in two stages at least with a gap of 3 months between them after satisfying 6.0 d. The DRC has to approve the status report, for the candidate to proceed with the next stage of work.
- g. The work on the project shall be initiated in the beginning of the second year and the duration of the project is for two semesters. A candidate shall be permitted to submit his dissertation only after successful completion of all theory and practical subject with the approval of CRC but not earlier than 40 weeks from the date of registration of the project work. For the approval by CRC the candidate shall submit the draft copy of the thesis to the Principal through the concerned Head of the Department and shall make an oral presentation before the CRC.
- h. Three copies of the dissertation certified by the Supervisor shall be submitted to the College after approval by the CRC.
- i. For the purpose of adjudication of the dissertation, an external examiner shall be selected by the Principal from a panel of 5 examiners who are experienced in that field proposed by the Head of the Department in consultation with the supervisor.
- j. The viva-voce examination shall be conducted by a board consisting of the supervisor, Head of the Department and the external examiner. The board shall jointly report the candidate's work as:
 - A. Excellent
 - B. Good
 - C. Satisfactory
- k. If the adjudication report is not favorable, the candidate shall revise and resubmit the dissertation, in a time frame prescribed by the CRC. If the adjudication report is unfavorable again, the dissertation shall be summarily rejected and the candidate shall change the topic of the Project and go through the entire process afresh.

7.0 AWARD OF DEGREE AND CLASS :

A candidate shall be eligible for the degree if he satisfies the minimum academic requirements in every subject and secures satisfactory or higher grade report on his dissertation and viva-voce.

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of M.Tech. Degree, he shall be placed in one of the following three classes.

% of Marks secured	Class Awarded
70% and above	First Class with Distinction
60% and above but less than 70%	First Class
50% and above but less than 60%	Second Class

The grade of the dissertation shall be mentioned in the marks memorandum.

8.0 WITHHOLDING OF RESULTS:

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

9.0 TRANSITORY REGULATIONS:

- a. A candidate who has discontinued or has been detained for want of attendance or who has failed after having studied the subject is eligible for admission to the same or equivalent subject(s) as and when subject(s) is/are offered, subject to 4.0 d, e and 2.0.
- b. Credit equivalences shall be drawn for the students re-admitted into 2013 regulations from the earlier regulations. A Student has to register for the substitute / compulsory / pre-requisite subjects identified by the respective Boards of Studies.
- c. The student has to register for substitute subjects, attend the classes and qualify in examination and earn the credits.
- d. The student has to register for compulsory subjects, attend the classes and qualify in examination.
- e. The student has to register for the pre-requisite courses, attend the classes for which the evaluation is totally internal.

10.0 GENERAL

1. The academic regulations should be read as a whole for purpose of any interpretation.
2. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman, Academic Council is final.
3. The College may change or amend the academic regulations and syllabus at any time and the changes amendments made shall be applicable to all the students with effect from the date notified by the College.
4. Wherever the word he, him or his occur, it will also include she, hers.
