



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
COLLEGE OF ENGINEERING, HYDERABAD
(AUTONOMOUS)**

**ACADEMIC REGULATIONS FOR THE AWARD OF FULL TIME POST GRADUATE
DEGREE IN M.Sc. - APPLIED MATHEMATICS
(WITH EFFECT FROM THE ACADEMIC YEAR 2014-2015)**

The following Postgraduate Degree of the Jawaharlal Nehru Technological University Hyderabad shall be conferred on those who are admitted to the program and fulfill all the requirements for the award of the Degree.

M.Sc - Applied Mathematics and additional programs as approved by College/University from time to time.

1. ELIGIBILITY FOR ADMISSIONS:

Admission to the above programs shall be made subject to the eligibility, qualifications and specialization prescribed by the College / University for each program, from time to time.

Admission shall be made either on the basis of an entrance test conducted by JNTUH, Hyderabad for the M.Sc program or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the Government from time to time.

2. COURSE WORK:

2.1 A candidate after securing admission must pursue the prescribed course of study for the following duration.

M.Sc. - Applied Mathematics - Four Semesters

2.2 Each semester shall be approximately of **22 weeks duration including examinations.**

2.3 A candidate admitted to a program should complete it within a period equal to twice the prescribed duration of the program from the date of admission.

2.4 Each subject is assigned certain number of credits as specified below.

Theory Subjects	4 Theory Periods / Week	3 Credits
Practical Subjects	2 Lab Theory Periods + 6 Lab periods / Week	4 Credits
Seminar	----	2 Credits
Project	----	4 credits

(Each period will be of 50 minutes duration)

- 2.5 A candidate shall be deemed to have secured the credits assigned to a subject if he has put atleast 65% of attendance; and secured the minimum academic requirement in the subject.
A student shall be eligible to appear for the end semester examination of any subject if he / she acquires a minimum of 75% attendance in that subject.
Condonation of shortage of attendance in each subject is up to 10% (65% and above and below 75%) may be granted based on medical grounds with sufficient proof.
A student will not be permitted to write the end examination in any Subject unless he / she satisfies the above attendance requirement in that Subject. In such a case the candidate may seek re-admission for that subject when next offered.
- 2.6 In order to qualify for the award of the Post-Graduate Degree, the candidate shall earn all the prescribed credits, as per the course structure.

3. EVALUATION:

- (i) Theory Subjects and practicals are evaluated for 100 marks, and Practicals/Lab. Subjects are also evaluated for 100 marks.
- (ii) Seminar shall be evaluated for 50 marks.
- (iii) For theory subjects, the distribution shall be 40 marks for Internal Evaluation and 60 marks for the End-Examination. For the award of the 40 Internal (sessional) marks for theory subjects, there shall be 2 internal examinations during the Semester, one at the middle of the Semester and the other immediately after the completion of instruction; each of which shall be evaluated for 25 marks, and the better one out of these two internals shall be considered for awarding the 25 sessional marks. 5 Marks will be for the attendance and 10 marks will be for the assignment.
- (iv) For Practical/Lab, subjects, there shall be a continuous evaluation during the Semester for 40 sessional marks and 60 End Examination marks. Of these 40 marks, 15 marks shall be awarded for day-to-day work and 25 marks to be awarded by conducting an internal laboratory test. The End Examination shall be conducted by the teacher concerned and another faculty member of the same Department, as suggested by the Head of Department.
- (v) For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his understanding over the topic, and submit to the department, which shall be evaluated by a Departmental committee consisting of the Head of the Department, Seminar Supervisor and a senior faculty member. The seminar report shall be evaluated for **50 marks**. There shall be **no external examination for seminar**.
- (vi) The Project shall start from the beginning of the IV Semester. Every Candidate shall be required to execute his project and submit his dissertation after taking up a topic approved by a project review committee (PRC). The PRC shall be constituted by the Head and shall consist of the Head of the Department, the project supervisors, and senior faculty member of the Department. There may be project supervisor from the other University / organization along with the internal supervisor. The PRC will monitor the progresses of the project work through presentation by the students. The PRC shall evaluate the project as

SATISFACTORY or UNSATISFACTORY, by conducting comprehensive viva voice on the project.

- (vii) If the report of the PRC is not favorable, the student shall revise and resubmit the Project Report after one semester or as per the time specified by the PRC. If the report of the PRC is unfavourable again, then the Project Report may be rejected. In such a case, the Project shall have to be carried out again, as per the suggestions or the recommendations of the PRC.
- (viii) If a student did not deliver the seminar inspite of satisfying the attendance requirements for Seminar, or could not secure 50% of the maximum marks allocated for seminar, he shall be treated as failed, and he may appear for the seminar which may be conducted at the end of each subsequent Semester.

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

- (i) **Re-Admission for discontinued students :**
Students who have discontinued the Degree Programme due to any reasons what so ever, may be considered for readmission into the same Degree Programme with the regulations preavailing at the time of readmission, with prior permission from the concerned authorities, subject to item no. 2.3.
- (ii) **Re-Registration for Detained students :**
When any student is detained in a subject (s) due to shortage of attendance in any semester, he 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 got admitted, with prior permission from the concerned authorities, subject to item no. 2.3.
- (iii) **Re-Appearence for Improvement of Internal Marks for Subject(s) Failed :**
A student may be given one chance for each subject to improve his internal marks provided his internal marks are less than 50% of the assigned maximum internal marks, and has failed in the end examination. In such cases he has to seek permission from the concerned authorities for re-appearance in examinations (internal + end examinations) of that subject (s) within four weeks from the date of commencement of class work in that semester in which that subject (s) is offered. In the event of such re-appearance for improvement of internal marks, the marks obtained by him in such subject (s), in both internal and end examinations, during the previous attempt are nullified.

5. Grading Procedure:

- (i) Marks will be awarded to indicate the performance of each student, in each Theory Subject or Practicals or Seminar, and a proportional letter grade shall be given.
- (ii) As a measure of the student's performance, a Grading System using the following letter grades and corresponding percentage of marks shall be followed.

% of Marks Secured	Letter Grade
70% and above	A
Below 70% but not less than 60%	B
Below 60% but not less than 50%	C
Below 50%	F

6. Award of Degree or Class:

After a student satisfies all the requirements prescribed for the completion of the Degree and becomes eligible for the award of the respective Degree, he shall be placed in one of the following four classes

Class Awarded	% of Marks Secured	Program Credits
FIRST CLASS with DISTINCTION	70% and above	From the Aggregate secured for all the 86 credits.
FIRST CLASS	Below 70% but not less than 60%	
SECOND CLASS	Below 60% but not less than 50%	
FAIL	Below 50%	

7. Withholding of Results:

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

MALPRACTICES RULES

	Nature of Malpractices	Punishment
	If the candidate:	
1 (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.

1 (b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The

		continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6	Refuses to obey the orders of the Chief Superintendent / Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The

		continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a 8police case will be registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester / year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the College / University for further action to award suitable punishment.	

8. General :

- The Academic Regulations should be read as a whole for the purpose of any interpretation.
- The University/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 University/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'.
- In case of any ambiguity or doubt in the interpretations of the above regulations, the decision of the Vice-Chancellor will be final.
