

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
SILCHAR-788010,ASSAM

M. TECH. REGULATIONS.

1. GENERAL

- 1.1 The National Institute of Technology Silchar, awards the degree of Master of Technology (M. Tech) in Engineering to those who have successfully completed the stipulated Post-graduate Masters Programme.
- 1.2 The Post-graduate Masters Programme with the governing rules and regulations are formulated by the Board of Governors(BOG) of the institute. The BOG can modify or change the structure, the governing rules and regulations from time to time.
- 1.3 A candidate becomes eligible for the award of the M. Tech. degree after fulfilling all the academic requirements prescribed by the Senate of the Institute.

2. CATEGORIES OF M. TECH. STUDENTS

The Institute admits M. Tech students under the following categories:

I). REGULAR (FULL-TIME)

These are students who work full time for their M. Tech. They may receive assistantship from the Institute or any other recognized funding agency or may be self financed.

II). SPONSORED (FULL-TIME) STUDENTS

A candidate in the category is sponsored by a recognized organization for doing M. Tech in the Institute on a full time basis. He/She should have at least two years of working experience in the respective field. He/She will not receive any financial support from the Institute. Sponsorship letter (Form I) should be attached with the application.

III). PROJECT STAFF

This category refers to candidates who are working on sponsored projects in the Institute and admitted to the M. Tech. Programme. The duration of the project at the time of admission should be at least 2 years. This category of students may be registered on a full-time or a part-time basis.

IV). PART-TIME STUDENTS

This category refers to the candidates who are locally and professionally employed personnel, who can attend classes at the Institute while employed. These candidates should be able to attend regular classes as per the schedule of the Institute.

The applicant must be a regular employee of a recognized R & D organization, national institute, governmental organization or industry with at least two years of experience at the time of admission and be engaged in professional work in the discipline in which admission is sought. No financial assistance will be provided by the Institute to such students.

A No Objection certificate from the Head of the Institution/Organisation in which he/she is employed (Form-II) must be enclosed at the time of application.

V). INSTITUTE EMPLOYEES

Institute employees may be sponsored as part-time students by the Director, on recommendation of the Head of the Department of the employee's Department.

3. MINIMUM QUALIFICATIONS

Students for admission to the M.Tech. Programme in Engineering Departments must satisfy the following criteria:

- (i) Bachelor's degree in Engineering/Technology or equivalent in an appropriate area, or an MCA(for the Department of CSE) with at least 60% marks or equivalent.

- (ii) Valid GATE score for Regular (full-time) students **for receiving Institute Assistantship only.**

Departments may specify additional requirements over and above these minimum requirements.

4. ADMISSION PROCEDURE

- 4.1 Admission to the M. Tech. Programme of the Institute will normally be in the months of July every year. For admission an advertisement will be issued in the month of April/May.
- 4.2 Admission to all the category of students is granted on the basis of GATE scores and/or performance in B.Tech/B.E./MCA results and/or interview/admission test held usually during the month of June or July every year.
- 4.3 The applicants who have completed or are likely to complete all the examinations including the thesis oral examination, viva etc of the qualifying degree by the date of admission to the programme may be considered for admission; however, if admitted, they must produce the evidence of their having passed the qualifying degree examination with the specified minimum marks/CPI (as specified in clause 3) within 8 weeks of the beginning of the semester, failing which their admission is liable to be cancelled.
- 4.4 Candidates whose selection is approved by the Chairman, Senate will be admitted to the M. Tech. Programme of the Institute after payment of the prescribed fees.

5. FINANCIAL SUPPORT

Students admitted to the M. Tech. Programme will be considered for assistantships, fellowships, tuition fee waiver, etc. subject to the following norms:

- 5.1 Institute Tuition fee waiver will be as per directive of the Govt. of India from time to time.
- 5.2 The number and amount of assistantship will be fixed on availability of funds.
- 5.3 A student must have a valid GATE score at the time of admission.
- 5.4 Students receiving assistantship from the Institute or from any other funding agencies will be required to perform academic duties assigned to them by the departments as per rules in force from time to time.
- 5.5 The continuation of the assistantship/fellowship will be subject to satisfactory performance of the duties assigned by the department and satisfactory progress in the post-graduate programme.
- 5.6 Financial assistance will normally be for a period of two years.
- 5.7 No financial assistance from the Institute will be available to part time students. Project staff will get funding from projects as per rules but will not get any additional assistance from the Institute.
- 5.8 Only those students who are registered in a semester in the post-graduate programme shall be entitled to scholarships. The students on leave longer than the specified period under the leave rules, and those who are not registered, are not entitled to scholarship.

6. LEAVE RULES

- 6.1 An M.Tech student is eligible for 30 days of leave in an Academic Year.
- 6.2 Absence without obtaining prior sanction of leave will be considered as an act of indiscipline and shall entail reduction of scholarship on a pro rata basis, besides any other action that may be decided by the Institute.
- 6.3 Any absence over and above the prescribed limit of admissible leave shall entail deduction from the scholarship, besides other actions as may be decided by the Institute.

7. ACADEMIC REQUIREMENTS

- 7.1 Semester load and course units
- 7.2 Full time students have to register for at least 24 credits in each of the first two semesters. Most courses carry 6 credits, while a few carry 8 or 9 credits also (See appendix I for an explanation).

A part-time post-graduate student will be required to register for a minimum of 12 credits in the first two semesters.

- 7.3 The residence requirements for students registered in M. Tech. is four semesters. They will be required to complete a minimum of 96 credits of load of which at least 48 credits shall be through P.G. course work and at least 32 through research. Every M. Tech student must complete the prescribed courses. SPI and CPI will be calculated on the basis of all the Undergraduate and Postgraduate courses taken by the student. No regular student registered for the M. Tech programme shall continue in the programme for more than 3 years and no part-time registration student shall continue for more than 4 years after the first registration. The course and research requirements in individual departments/programmes may be over and above the minimum stated here. The departments/programmes shall obtain prior approval of the SENATE of such requirements and will also inform the students in their postgraduate programmes at the time of their admission. **When in residence, a student has to reside on campus in the designated hostel / house. Exemptions will be granted only in rare cases on proper justifications being provided.**

7.4 Grades and points

- (a) The performance of the students in their course work will be evaluated in terms of letter grades: AA, AB, BB, BC, CC, CD, DD, F. These grades are equivalent to the following points/ratings on a 0-10 scale representing an increasing quality of performance.
AA = 10, AB = 9, BB = 8, BC = 7, CC = 6, CD = 5, DD = 4, F = 0.
- (b) If a student has done a part of the course work, but has for a genuine reason not been able to do the remaining part, the instructor may send the grade "I" (incomplete). In this case the student must contact the Instructor soon after the examination and if the Instructor is convinced that the reasons for missing a part of the course/examinations are genuine he may let the student makeup for the portion missed. The 'I' Grade can be converted into a regular grade by the Instructor within two weeks of the last date of the End Semester Examination. Otherwise, this will automatically be converted into 'F' Grade.

7.5 Academic performance requirements

- (a) The SPI (Semester Performance Index) or CPI (Cumulative Performance Index) of a student in any particular semester is calculated as follows:
- (i) The points equivalent to the grade awarded in each course for which the student has registered is multiplied by its unit rating.
- (ii) These products are added and sum is divided by the total number of units. The ratio is the SPI or CPI depending on whether the number of units refer to those in that particular semester or to those in the total period of students postgraduate programme.
- (b) The minimum CPI requirement for continuing in the M. Tech. Programme is 6.0. However, M. Tech student securing a CPI between 5.5 and 6.0 may be allowed to continue in the following semester on the recommendation of the DPPC (Departmental Postgraduate Programme Committee; see Appendix II) and on approval of Chairman of SENATE. Students who secure a CPI below 6.0 in two consecutive semesters will not be allowed to continue in the postgraduate programme. Students must obtain a minimum CPI of 6.0 in order to graduate. In the first semester in which the student registers the minimum CPI (SPI) requirement can be relaxed to 5.5.

7.6 Thesis/Project

- (a) Thesis supervisor(s) for a student will be appointed from amongst the faculty members of the NIT Silchar. Departments will evolve modalities for appointing of supervisors keeping in view the students' aspirations and faculty interest. The DPPC will co-ordinate this activity and will formally communicate the appointment of thesis supervisor(s) of a student to the Academic Section. No change/addition of Supervisor(s) is allowed after the thesis has been submitted to the academic section. In case there has been a change/addition in the Supervisor(s) the thesis will be submitted not earlier than three months from the date of communication of such change/addition to the academic section. No student once registered for thesis/project units will be allowed to continue the programme without a Thesis Supervisor having been appointed by the DPPC. No student

will have more than two supervisors. No change in thesis supervisor(s) will be allowed without the consent of the DPPC. In exceptional cases, with prior approval of the Chairman, Senate on the recommendation of the DPPC, a student may be allowed to have a co-supervisor from outside the institute.

(b) Thesis/Project Oral Examination Committee:

The thesis/project will be examined by an oral examination committee consisting of the following members:

- (1) Supervisor(s)
- (2) One external expert
- (3) One expert from another department
- (4) One expert from the concerned department.

The oral examination committee shall be coordinated by either Supervisor or in his absence by the departmental programme coordinator. The committee shall be approved by Dean, Academic on recommendation from the Head of the Department.

(c) The Convenor, DPPC will submit to the academic section for approval of the Dean(Academic) the names of the thesis/project examiners on the prescribed form, at least two weeks before the submission of the thesis. Unbound typed copies of thesis/project one for each examiner prepared according to the prescribed format available in the academic section will be submitted at least one week before the probable date of the oral examination. The oral examination will be held within two months from the date of submission of the thesis/project. If however the student does not make available for the examination his/her programme will be deemed to have been terminated. Request for revival of the programme by such a student should be addressed to the Chairman, Senate.

The Department will record the date of submission of the thesis/project and arrange to send the thesis to the examiners. The supervisor/programme co-ordinator will inform the examiners of the date of the oral examination and send a copy of the academic section. The thesis/project will be evaluated and the Oral Examination conducted by the Committee and report will be submitted to the convenor, DPPC. The report will be communicated by the Convenor, DPPC through the Head to the academic section for record and necessary action.

On successful completion of the Oral Examination, each student will be required to submit one bound copy of the thesis/project each to the academic section, department and the Thesis Supervisor(s).

(d) Acceptance/Rejection of the Thesis/Project

A thesis/project will be considered to have been accepted if all members of the committee recommend its acceptance. Otherwise thesis/project will be considered to have been rejected. If a thesis/project is a rejected along with a recommendation by the Committee for resubmission after incorporating and modification/correction suggested by the Committee, oral examination for the re-submitted thesis/project will be conducted by the same Committee unless otherwise approved by the Dean(Academic). If the resubmitted thesis/project is rejected, the matter will be reported to the Senate for appropriate action. Acceptance of thesis/project will be reported to the Senate for approval.

(e) A thesis shall be awarded appropriate grade. 70% of the weightage will be based on the Oral Examination and 30% will be based on internal evaluation. The mode of internal evaluation will be decided individually by each Department.

8. CONDUCT RULES

8.1 Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance.

8.2 As per the order of the Hon'ble Supreme Court of India, ragging in any form is banned: acts of ragging will be considered as gross indiscipline and will be severely dealt with.

8.3 The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:

(a) Ragging

- (b) Lack of courtesy and decorum; indecent behaviour anywhere within or outside the campus.
- (c) Willful damage or stealthy removal of any property/belongings of the Institute/Hostel or of fellow students.
- (d) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
- (e) Mutilation or unauthorized possession of library books.
- (f) Noisy and unseemly behaviour, disturbing studies of fellow students.
- (g) Hacking in computer systems (such as entering other person's area without prior permission, manipulation and/or damage of computer hardware and software etc.)
- (h) Any other act of gross indiscipline.

Commensurate with the gravity of the offence, the punishment may be reprimand, fine, expulsion from the hostel, debarment from an examination, rustication for a specified period or even outright expulsion from the Institute.

- 8.4 For an offence committed in (a) a hostel (b) a department or in a classroom and (c) elsewhere, the Warden, the Head of the Department and the Dean of Student's Affairs, respectively, shall have the authority to reprimand or impose fine.

All cases involving punishment other than reprimand shall be reported to the Chairman, Students Disciplinary Committee.

- 8.5 All major acts of indiscipline, which may have serious implications on the general body of students, and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Students Disciplinary Committee, appointed by the SENATE.
- 8.6 Cases of adoption of unfair means in an examination shall be reported to the Dean of Academic Affairs for taking appropriate action.
- 8.7 In the event of a major punishment, the aggrieved party shall have the right to appeal to Chairman, SENATE.

FORM I - SPONSORSHIP LETTER

(This should be typed on the letter head of the sponsoring organization)

Reference No.

Date:

To

The Director
National Institute of Technology
Silchar-788010.

Sub: Sponsoring an Employee for M. Tech. Programme

Dear Sir,

We hereby sponsor the candidature of Mr./Mrs./Ms.....

..... who is an employee in our organization, for joining M. Tech.

Programme in at your Institute as a full-time students.

We shall relieve him/her of his/her duties in the organization during the two years of the M. Tech. Programme (01-08-2004 to 31-07-2006).

**Signature and seal of the
Sponsoring Authority**

FORM II - No Objection Certificate for Part-Time students

(This should be typed on the letter head of the sponsoring organization)

Reference No.

Date:

To

The Director
National Institute of Technology
Silchar-788010.

Sub: No Objection Certificate

Dear Sir,

We have no objection if Mr/Mrs/Ms.....,
an employee in our organization, is admitted to the M. Tech. Programme in
at your Institute as a part-time student (01-08-2004 to 31-07-2006).

We shall give him/her leave of absence to attend class work at NIT Silchar during two years of
the M. Tech. Programme.

**Signature and seal of the
Sponsoring Authority**

Appendix - I

Post-Graduate Courses

1. Course Number

Each Post-graduate Course will have a unique number consisting of two parts. The first part will consist of a code to identify the department/programme which will be of 3 characters of English alphabets and identical for all courses of the Department/Programme. The second part will be a three digit number beginning with 5, 6 for years and two digits for subjects (01 – 09 for core subjects, 11 – 49 for Elective subjects of 1st semester and 51 – 59 for core subjects, 61 – 99 for Elective subjects of 2nd semester)

2. Course Units

The credits of a Post-graduate Course will be arrived at as follows: for each lecture hour and for each tutorial hour, there shall be two credits. For each practical (laboratory) hour there shall be one credit. Some examples are given in the table below.

Contact hours of the course (per week)	L-T-P	Weightage (Credit)
Three Lecture hours	3-0-0	6
Three Lecture hours + one tutorial hour	3-1-0	8
Three Lecture hours + Three hours lab session	3-0-3	9
Three Lecture hours + One tutorial hour + Two hours lab session	3-1-2	10
Two Lecture hours + one tutorial hour+ three hours lab session	2-1-3	9
Two Lecture hours + Three hours lab session	2-0-3	7
Two Lecture hours + two hours lab. Session	2-0-2	6

L = Lecture, T = Tutorial, P = Practical

3. Approval of New Courses

All Post-graduate courses require the approval of the Senate (after recommendation from the BPGS (Board of Post Graduate Studies)) before being offered. The course will be proposed by the interested faculty member and submitted to the DPPC for consideration and forwarding to the BPGS.

Appendix - II

DEPARTMENTAL POST GRADUATE PROGRAMME COMMITTEE (DPPC)

Composition:

- | | | |
|-------|--|----------|
| (i) | Head of the Department (ex-officio) | Chairman |
| (ii) | 50% of the faculty members with maximum 6 to be nominated by H.O.D out of which one faculty shall act as member Secretary. | Members |
| (iii) | One faculty member of another department (to be nominated by H.O.D of the chosen department) | Member |
| (iv) | Two M.Tech students members to be elected by 2 nd /3 rd /4 th Sem. P.G. students. | Members |

Tenure: Two years for faculty members and one year for student members.

Functions:

- (i) To oversee the conduct of all Post Graduate courses of the department.
- (ii) To ensure academic standard and excellence of the course offered by the department.
- (iii) To discuss and recommend the syllabi of all the Post Graduate courses offered by the department from time to time before sending the same to the Board of Post Graduate Studies(BPGS).
- (iv) To consider any matter to the post graduate programme of the department.

BOARD OF POST GRADUATE STUDIES (BPGS)

Composition:

- | | | |
|-------|---|----------------------|
| (i) | Dean of Academic Affairs (ex-officio) | Chairman |
| (ii) | One member from each department nominated by the HOD and approved by the SENATE | Member |
| (iii) | DR(Academic) or AR (Academic) | Non-Member Secretary |

Tenure: Two years.

Functions:

- (i) To oversee the conduct of all post graduate courses of the Institute.
- (ii) To consider the proposals from the departments and make recommendations to the SENATE for consideration and approval.
- (iii) To issue guidelines to various departments on evaluation pattern of the courses to maintain uniformity.
- (iv) To consider and recommend the assessment procedure to be adopted by various departments.
- (v) To consider and recommend any other matter concerning the post graduate programme of the Institute.