

ACADEMIC REGULATIONS

for

UNDERGRADUATE & POSTGRADUATE PROGRAMMES

(effective from Even Semester of the Session 2009-2010)



**NATIONAL INSTITUTE OF TECHNOLOGY
(INSTITUTION OF NATIONAL IMPORTANCE)
KURUKSHETRA-136 119**

A. Academic Regulations

Academic regulations contained herein are applicable to Undergraduate and Postgraduate programmes at NIT Kurukshetra.

A-1 Academic regulations shall cover the following courses of study at the Institute:

I Undergraduate Programmes

Four-year Bachelor of Technology (B.Tech.)

II Postgraduate Programmes

Master of Technology (M.Tech.)

A-2 Detailed Regulations are given in the following Schedules:

Schedule A-I: Regulations for Undergraduate programmes.

Schedule A-II: Regulations for Postgraduate programmes.

ADMISSIONS

The institute will have the following Admission Committees:

A-3 Admission Committee for B.Tech.

- i) Director shall appoint Admission Committee for B.Tech.
- ii) Powers and duties of the Admission Committee shall be to select the candidates for admission to B.Tech. Courses in accordance with the approved procedure & rules of admission of the Institute, as decided by the Senate/ Board of Governors/Govt. of India from time to time.

A-4 Admission Committee for M.Tech.

- i) There shall be one Committee for each Department of the Institute.
- ii) The Admission Committee of each Department/School/Centre shall consist of:
 - a) Head of the Department/School/Centre Chairman
 - b) Faculty Incharge of Post-graduate Programme Member
(To be appointed by the Head of the Deptt.)
 - c) Senior most Professor/Assistant Professor Member
in the Department.
 - d) One member from outside the Department Member
to be nominated by the Dean (Academic).

- iii) Powers and duties of the Committee shall be to select the candidates for admission to post-graduate courses in accordance with the approved procedure for admission to the Institute, by the Senate/Board of Governors/Govt. of India from time to time.
- iv) The admission of the candidates on the recommendation of Admission Committee shall be approved by the Dean (Academic).

A-5 Fee Deposits and Others Dues for the Admissions

The tuition fee and other dues will be as approved by the Board of Governors from time to time.

A-6 Scholarships

Subject to availability, a small number of Merit-cum-Means scholarships and financial assistance may be awarded to the students, as decided by the Institute and given in the Information Brochure.

A-7 Unfair Means Cases (UMC) Committee

The Dean Academic shall appoint an Unfair Means Committee each year to deal with the cases of alleged misconduct and use of unfair means in the mid-semester and end semester examinations.

As soon as, a student is suspected by the invigilator or any authorized person, of having resorted to unfair means, his/her answer book shall be seized. The papers etc., duly signed by the Invigilator and Superintendent, found in possession of the student shall be stitched with his/her answer book in his/her presence.

The Superintendent shall ask the candidate to make a statement in writing, explaining his/her conduct. In case the candidate refuses to do so, the fact of his/her refusal shall be recorded by the Superintendent, which should be attested by at least one Supervisor on duty.

After completing all above formalities, a fresh answer-book shall be given to the student for completing the examination. After a particular test/examination session is over, these answer books (duly marked I, II) shall be sent or delivered separately to the Controller of Examinations along with the report. A Committee will be appointed by the Director annually to enquire into the cases of attempt of unfair means in the test/examination. The Committee shall submit its recommendations after identifying clearly the category and nature of the offence, as listed in regulations, to the Dean (Academic) for consideration and necessary order.

A student whose guilt is established shall be dealt with under the provisions of the disciplinary regulations.

The recommendations of the Unfair Means Committee shall be submitted to the Dean (Academic). If the Dean (Academic) finds that the recommendations needed reconsideration, he/she may return the case(s) to the Committee for reconsideration and thereafter award suitable punishment as recommended originally or recommended after reconsideration after reference by the Dean (Academic). The appeals, if any, against such punishment will be decided by the Chairman, Senate, whose decision shall be final. All punishment cases under UMC's would be reported to the Senate.

CREDIT BASED SYSTEM OF EVALUATION

1. REGISTRATION

- (a) Every student is required to be present and register at the commencement of each semester on the date fixed and notified by Dean (Acad.). The registration process would be centrally organized by the Academic Branch of the Institute. For First and Second Semester B.Tech. Students, Academic Branch would conduct the process whereas for 3rd Semester onwards, respective departments would do the needful.

For M.Tech. programmes, respective departments would register the students for all the semesters.

- (b) Only those students will be permitted to register who have:
- (i) Cleared all fees and dues of the Institute, Library and Hostel (if resident),
 - (ii) Not been debarred from registering for a specified period on any ground by the competent authority, and
- (c) Dean Academic may allow late registration with a prescribed late fee within next three working days.

2. CREDIT COUNTS

All courses would have a Credit Count and teaching of subjects would be reckoned in terms of Credits. The number of credits of a course shall ordinarily be calculated as under:

- (a) LECTURES/TUTORIALS: One Lecturer per week shall be assigned

ONE credit. For one Tutorial period per week, HALF a credit is to be assigned.

- (b) PRACTICALS: One lab period per week shall be assigned HALF a credit.
- (c) SEMINAR/COLLOQUIUM/GROUP DISCUSSION: One credit each.
- (d) MINOR PROJECT: Credits equal to 1.5 times the number of periods per week.
- (e) MAJOR PROJECT: Two credits per period per week for the Project done in Final Semester only. For Pre-final Semester Project work, NO credit counts would be there.
- (f) The credits are fixed for FIELD TRAINING, COMPREHENSIVE VIVA-VOCE and GENERAL FITNESS & PROFESSIONAL APTITUDE.

Fractions would be rounded up to the next higher integer in the final result.

3. GRADING

- (a) The Academic Performance of a student shall be graded on a TEN-POINT SCALE. The award of Grades based upon marks obtained out of 100 shall be made as follows:

Marks obtained and Grade	Category	Grade points
$85 \leq A^+ \leq 100$	Excellent	10
$75 \leq A < 85$	Very Good	9
$65 \leq B < 75$	Good	8
$50 \leq C < 65$	Average	6
$40 \leq D < 50$	Pass	4
$E < 40$	Required to improve	2

For a student to pass in a subject, a separate minimum of 40% has to be earned separately, both in sessionals and end-semester examination.

- (b) There will be a GRADE REVIEW COMMITTEE for reviewing the Grades obtained by the B.Tech. students in a course in each Department Semester-wise.
The constitution of the committee shall be as under:
 1. Head of the Department (Chairman of the Committee)
 2. Respective Course Coordinators of the courses being offered in the semester.

The final grades will be submitted through the Head concerned by the respective Course Coordinators to the Controller of Examinations as recommended by the Grade Review Committee.

A similar Committee shall also exist and function for M.Tech.

4. The following table with break-up of various sub-components and their respective weightages is to be adopted for continuous evaluation of students **with no minimum attendance requirement** to appear in the end semester examinations.

CONTINUOUS EVALUATION SUB-COMPONENTS AND WEIGHTAGE

	SUB-COMPONENT	WEIGHTAGE %
(a)	Theory Papers	
1.	Three Class Tests (Two best to be reckoned)	10+10=20
2.	Teacher's Assessment through viva-voce, Home Assignments, on the Spot tests, Short Quizzes etc	10
3.	Class Attendance (L+T)*	20
4.	End Semester Examination	50
(b)	For Practicals	
1.	Mid Semester Evaluation (to be conducted in regular Practical Classes)	20
2.	Teacher's Assessment through viva-voce, short quizzes, reports, Class work etc.	20
3.	Class Attendance*	20
4.	End Semester Examination	40
(c)	For Seminars, Projects, Training, Comprehensive viva and General Fitness evaluation, the weightage will be decided by Departmental Review/Academic Committees.	

*The maximum attendance for calculation of attendance component of sessional marks shall be 90% of the total classes held.

1. For a subject, a minimum of 9 times the number classes to be held in a week must be engaged by the teacher in a semester.
2. For students who are to attend classes with students of lower batch, shall be governed by the academic and examination regulations of that (lower) batch.

THE CANDIDATES WILL BE REQUIRED TO OBTAIN MINIMUM D GRADE AND EARN THE ASSIGNED CREDITS.

5. GENERAL

- (a) Notwithstanding anything contained in the regulations, the Chairman Senate may, in emergent situation, take action on behalf of Senate, as he/she deems fit and appropriate and report it in the next meeting of the Senate for approval.
- (b) In case of any dispute, difference of opinion in the interpretation of the Regulations, the decision of the Chairman Senate shall be final and binding.

ACADEMIC REGULATIONS FOR UNDER GRADUATE PROGRAMMES

1.0 Admissions

- 1.1 The examination for the degree of Bachelor of Technology will be open to candidates admitted to the privileges of the Institute. Each academic year will comprise of two semesters, each of 16 to 18 weeks duration.
- 1.2 The minimum academic qualifications and age for admission to B.Tech. shall be as decided by the competent authority.
- 1.3 The qualifying marks/Merit list in the Entrance Test will be as prescribed and notified by the competent authority conducting the Entrance Test.
- 1.4 Distribution of seats including reservations shall be as approved by the MHRD, Govt. of India, from time to time.
- 1.5 All seats, except those for NRI candidates, will be filled exclusively on the basis of merit in Entrance Test of eligible candidates under each category taking into account the choice exercised by the candidates.

2.0 Examinations

- 2.1 The examination in each semester will be held according to the syllabi prescribed by the Senate. Each course will carry credits as per the scheme of courses. A student must study all the courses given in the scheme approved by the Senate.
- 2.2 The examination will be held at the end of each semester on such dates as may be fixed by the Dean Academic.
- 2.3 The weightage of the End Semester Examination and evaluation during the semester in different courses will be as approved by the Senate.
- 2.4 Students will be allowed improvement of internal assessment in the odd semester for the odd semester courses and even semester for even semester courses. However, in such cases, the maximum sessional marks are limited to 40%.

- 2.5 Students who have reappear in any paper of odd and even semesters are allowed to appear in both odd semester and even semester examinations simultaneously during end semester examinations.

3.0 Evaluation/Results

- 3.1 At the end of the Semester the students will be awarded a Letter Grade in each of the course taken during the semester depending of the total performance in the sessional work (which may consist of mid-semester examinations, quizzes-announced and unannounced, laboratory exercise, tutorial work, seminars, home assignments etc.) as well as in the End Semester Examination.
- 3.2 Letter Grades will be awarded to the students. Each Letter Grade indicates the level of performance in a course and has a Grade point for purposes of computing the Cumulative Grade Point Average (CGPA). CGPA is defined in Clause 4.2.
A student who earns an E Grade in a course shall have to re-appear in that course in the subsequent examination(s).
- 3.3 The Course Coordinator assisted by other concerned teachers of the course will compile all the marks and award the Grades. He/she will submit a copy of award list to the Controller of Examinations for the preparation of the result.
Once Grades are submitted, any correction thereafter will only be made with the approval of the Director on the recommendation of the Dean (Academic).
- 3.4 For the theory component of a course, the Course Coordinator (assisted by the team of teachers) will award the marks through continuous evaluation of the students during the semester as well as in the End Semester Examination.
For each theory paper, the question paper for all Examinations will be set by the Instructor(s) of the course. The Instructor(s) along with the tutors, if any, will evaluate the Answer Books.
Before finalizing the end semester theory examination marks, the marks obtained are to be displayed and the answer-books shown to the students.
- 3.5 (a) For the practical (Laboratory/design/drawing/survey camp/workshop and/ or vocational training/project) course and the relevant components, the marks will be awarded by the Course Coordinator (assisted by the team of teachers) through continuous evaluation of the students during the Semester.
- (b) The Project Semester evaluation will be done by Project Evaluation Committee as per the guidelines issued by the Institute from time to time.

3.6 The Controller of Examinations shall publish the final result indicating the Grades and the ultimate CGPA obtained by each student.

4.0 General

4.1 All academic problems of the students, other than those affecting the Institute rules and regulations framed from time to time, may be looked into by the Dean (Academic).

4.2 A student is required to maintain a Cumulative Grade Point Average (CGPA). The CGPA is the weighted average of all the Letter Grade obtained by the student since his/her entry into the Institute up to and including the latest semester and computed as follows:

$$CGPA = \frac{\sum C_i G_i}{\sum C_i},$$

where C_i denotes credits assigned to i th course and G_i indicates the Grade point equivalent to the Letter Grade obtained by the student in the i th course. Provided that when a student re-appears in/repeats a course, the new Grade will replace the earlier one in the calculations of the CGPA.

If a student after obtaining pass Grades (A⁺/A/B/C/D) in all the courses at the end of the programme obtains a CGPA less than minimum CGPA=4.5 required for the award of degree, he/she may be allowed by Dean (Academic) to improve the CGPA by studying the course(s) in which he/she has earned 'D' Grade(s) provided the said courses are offered in the semester under consideration. First preference will be given to the professional course(s). This concession of additional semester(s) for improvement will be counted within maximum duration permissible for the programme.

Note:

The Percentage of marks obtained by a student, if so required, can be calculated as =CGPA multiplied by 9.00.

4.3 At the end of each semester (i.e. after End Semester Examination), students will be supplied a Grade Card indicating the Grades secured in each course and up-to-date CGPA.

4.4 A Student is deemed to have completed the requirements for graduation and is eligible for the award of degree if:

(a) he/she has satisfied all the academic requirements as per the regulations.

- (b) he/she has paid all fees due from him/her.
- (c) there is no case of indiscipline pending against him/her.

5.0 Absence/Dropping of Semester

5.1 If a student absents from the Institute with due permission of the **Dean (Academic)** due to illness, he/she will be permitted to rejoin provided the period of absence does not exceed one semester. If the period of absence is more than one semester or the absence is for reasons other than illness, the case will be referred to the Director by Dean (Academic) with his/her recommendations.

The student will, however, be charged the prescribed fee even for the period of absence.

In no case, the total period of absence shall exceed two semesters during student's stay in the Institute. In that eventuality, the student's name shall be struck off from the rolls of the Institute.

5.2 Notwithstanding the above, the Senate may at its discretion, on appeal, relax any of the conditions of Clause 5. Its decision shall be final and binding.

6.0 Re-admission/Duration

6.1 In case a student absents from the Institute without prior permission, he/she may be permitted to join back with the permission of the Director on payment of penalty of **Rs. 5000/- in addition to the prescribed fee for the period of absence.**

In no case, the period of unauthorized absence will exceed one semester. If the period of unauthorized absence exceeds one semester, the student's name will be struck off from the rolls of the Institute.

The maximum period in which a student must qualify for the award of B.Tech. degree will be eight years, failing which a student will not be allowed to continue his/her studies for B.Tech. Degree

6.2 The gap of one/two semesters missed by the student(s), as the case may be, will count towards the total durations of the Programme permissible under the Regulations.

ACADEMIC REGULATIONS FOR POST-GRADUATE PROGRAMMES**1.0 Admissions**

- 1.1** The admissions for the regular postgraduate programmes will be open to candidates admitted to the privileges of the Institute. The duration of the course will be two years (Four semesters) for M.Tech. programmes. Each academic year will be divided into two semesters, each of 16-18 weeks duration.
- 1.2** The admission to the first semester will be open to the candidates on merit and as per rules given in the Information Brochure. A Candidate should have at least 60% marks (or equivalent CGPA) in the qualifying examination (50% marks or equivalent CGPA for Scheduled Caste/Scheduled Tribes Candidates) from University recognized by the Institute in the disciplines prescribed by the Senate. For AMIE, the minimum requirement shall be 55% marks in degree. **GATE qualified Candidates shall be given preference over other candidates for Admission in M.Tech. Courses.**

2.0 Examinations

- 2.1** The examination in each semester will be held according to the syllabi prescribed by the Senate. Each course will carry credits as per the scheme of courses approved by the Senate. A student must study all the courses given in the scheme approved by the Senate.
- 2.2** The examination will be held at the end of each semester on such dates as may be fixed by the Dean (Academic).
- 2.3** The weightage of the End Semester Examination and the Sessional work in different courses/papers will be approved by the Senate.

3.0 Evaluation/Results

- 3.1** At the end of the Semester the students will be awarded a Letter Grade in each of the course taken during the semester depending on the total performance in the Sessional Work (which may consist of class test, quizzes-announced and unannounced, laboratory exercise, tutorial work, seminars, home assignment etc.) as well as in the End Semester Examination.

3.2 Letter Grades will be awarded to the students. Each Letter Grade indicates the level of performance in a course and has a Grade point for purposes of computing the Cumulative Grade Point Average (CGPA). CGPA is defined in Clause 4.1.

Student who earns an E Grade in a course shall have to re-appear in that course again when it is offered.

3.3 The Course Coordinator of the course will compile all the marks and will award the Grades. Before finalizing the end semester theory examination marks, the marks obtained are to be displayed and the answer-books shown to the students. He/she will submit a copy of award list to Controller of Examinations for the preparation of result. Once Grades are submitted, any correction thereafter will only be made with the approval of the Director on the recommendations of the Dean (Academic).

4.0 General

4.1 CGPA is the weighted average of all the Grades awarded to student since his/her entry into the Institute up to and including the latest semester and computed as follows:

$$CGPA = \frac{\sum C_i G_i}{\sum C_i}$$

where C_i denotes credits assigned to i th course and G_i indicates the Grade point equivalent to the Letter Grade obtained by the student in the i th course.

Provided that when a student reappears in/repeats a course, the new Grade will replace the earlier one in the calculations of the CGPA.

Note:

The percentage of marks obtained by a student if so required, can be calculated as=CGPA multiplied by 9.00.

4.2 At the end of each semester (i.e. after End Semester Examination), students will be supplied a Grade Card indicating the Grade secured in each course and up-to-date CGPA.

4.3 A Student is deemed to have completed the requirements for graduation and is eligible for the award of degree if:

(a) he/she has satisfied all the academic requirements as per the

regulations.

- (b) he/she has paid all fees due from him/her.
- (c) there is no case of indiscipline pending against him/her.

5.0 Absence/Dropping of Semester

5.1 If a student absents from the Institute with due permission of the Dean Academic due to illness, he/she will be permitted to rejoin provided the period of absence does not exceed one semester. If the period of absence is more than one semester or the absence is for reasons other than illness, the case will be referred to the Director by Dean (Academic) with his/her recommendations.

The student will, however, be charged the prescribed fee even for the period of absence. In no case, the total period of absence shall exceed two semesters during student's stay in the Institute. In that eventuality, the student's name shall be struck off from the rolls of the Institute.

5.2 In case a student absents from the Institute without prior permission, he/she may be permitted to join back with the permission of the Director on payment of penalty of **Rs. 10,000/-** in addition to the prescribed fee for the period of absence.

In no case, the period of unauthorized absence will exceed one semester. If the period of unauthorized absence exceeds one semester, the student's name will be struck off from the rolls of the Institute.

A student will be allowed to study the courses as defined by a department carrying prescribed credits. The total period of stay at the Institute for award of M.Tech. degree will not, in any case, exceed 5 years (Ten Semesters).

5.3 The gap in studies, if any, will count towards the total duration of the programme permissible under the Regulations.

5.4 The minimum CGPA required for the award of degree is 5.5. If a student after obtaining pass Grades (A⁺/A/B/C/D) in all courses at the end of the programme obtains a CGPA less than minimum CGPA = 5.5 required for the award of degree, he/she may be allowed by Dean Academic to improve the CGPA by studying the course(s) in which he/she has earned 'D' Grade(s)

provided the said courses are offered in the semester under consideration. The concession of additional semester(s) for improvement will be counted within maximum duration permissible for the programme.

5.5 Appeal

Notwithstanding the above, the Senate may at its discretion on appeal, relax any of the conditions of Clause 5.1 and 5.2

6.0 Eligibility for admission

6.1 Admission to M.Tech. regular courses shall be made on the basis of valid GATE score in the relevant discipline.

The courses are open to part-time candidates also if they are otherwise eligible under Institute rules. A part-time candidate shall mean a person engaged in teaching/research/engineering profession. Sponsored candidates of NIT Kurukshetra holding regular posts and served at least for two years in the Institute seeking admission to M.Tech. degree course as a part-time candidate will pay only registration fee and continuation fee.

6.2 Every student will be required to offer for examinations:

6.2.1 Prescribed number of papers (exclusive of seminar/Minor project) out of the list of subjects approved by the Senate from time to time.

6.2.2 A thesis properly typed or printed and prepared as per the standard format approved by the Institute.

6.3 The students will work for and prepare his/her thesis under the supervision of a teacher of the Institute. However, if the Director on the recommendation of the Head of the concerned Department, is satisfied that the work can be fruitfully carried out at another institute/organization/industry of repute, he/she may allow the student to do his/her thesis at an alternate Institution and this period will count towards the requirements for the Master's degree, but the student will spend for completing his/her thesis a minimum of one month in the

Institute under his/her supervisor.

6.4 On completion, the student will submit the thesis to the Chairman, BOS through the supervisor. The thesis will present an orderly and critical exposition of the existing knowledge of the subject and embody results of original investigations demonstrating the capacity of the student to do independent research work. While writing the thesis, the student will layout clearly the work done by him independently and the sources from which he/ she has obtained other information contained in his/her thesis.

6.5 Duration of the Programme

6.5.1 The normal duration of the M.Tech. programme including thesis for regular students shall be 4 semesters. The maximum duration for regular students shall be 10 semester, failing which a student will not be allowed to continue his/her studies for the programme.

6.5.2 The normal duration of the M.Tech. programme including thesis for part-time students shall be 6 semesters. The maximum duration for part-time students shall be 10 semesters, failing which a students will not be allowed to continue his/her studies for the programme.

6.6 The student will submit his/her thesis within the prescribed maximum period as per Clause 6.5 but not earlier than the end of fourth semester for a regular student and the end of sixth semester for a part-time student. The result of the thesis will be declared only after the student has passed the prescribed number of papers and has fulfilled the academic requirements of his/her seminar/Minor project.

6.7 The minimum requirement to pass the M.Tech. examination will be:

- (i) D or better Grade in each paper/seminar/Minor Project,
- (ii) Cumulative Grade Point Average (CGPA) of 5.5 for the entire degree,
- (iii) If a student admitted to the M.Tech. programme is unable to attain the minimum CGPA as per Clause 6.7 (ii), he/she may be permitted to improve his/her CGPA by studying up to a maximum

of five courses in which he/she either obtained Grade 'D' earlier or by taking substitute courses with the concurrence of the Head of the Department concerned in two semester only in case of regular students and up to a maximum of three semesters in case of a part-time student.

Provided that this concession of additional semester(s) will be counted for maximum duration permissible as per Clause 6.5.

6.8 The award for the thesis will be either "approved with Distinction" "approved" or "rejected". In case thesis is rejected, the candidate will have to resubmit after a minimum period of three months and subject to Clause 6.5. In case thesis is again rejected, the candidate will be declared ineligible for award of M.Tech. degree of this Institute.

6.9 A student fulfilling requirements of the M.Tech. course as per Clause 6.7 and having fulfilled the requirements of thesis as per Clause 6.6 & 6.8 will be eligible for the award of degree.

The result card of the students will show Letter Grades earned by the student in each paper/Seminar/Minor project and the CGPA for the degree and title of thesis along with award.

6.10 Sponsored Candidates with 60% marks (or equivalent CGPA) in the qualifying examination (50% marks or equivalent CGPA for Scheduled Caste/Scheduled Tribes Candidates) are eligible for admission. In addition, the sponsored candidates should have on the last date of applying, an experience of at least two years in a registered firm/company/industry/educational and research institutions/Government Department/Organization, out of which at least one year continuous experience should be as regular employee in the sponsoring organization. The employer in the sponsorship certificate must indicate that the fee will be borne by the sponsoring organization and the candidate will not withdraw before the completion of the programme, and will be absorbed after the completion of the programme.

7.0 Scholarship:

GATE qualified M.Tech. candidates may be awarded GOI Scholarship and contingency grant as per rules, if available. Non-Gate candidates may also be eligible for

such assistance if available and also rules permit, from the date they clear the GATE after admission. A student must secure a first class (60%) equivalent grade points during the 1st, 2nd and 3rd semester examination to become eligible for continuance of scholarship during 2nd, 3rd and 4th semesters respectively.

The interpretation of any of the regulations contained herein shall lie with the Director of the Institute and shall be final.

The Senate has a right to change/amend/introduce any of the existing and new rules/regulations.