

ANNEXURE TO ITEM 3-6.....

**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA**

**AGENDA
OF
SENATE**



**1st MEETING
TO BE HELD ON 16.04.2003**

**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119**

Agenda : For the 1st Meeting of Senate

Place : Board Room,
National Institute of Technology,
Kurukshetra.

Date & Time : 16-04-2003 at 11.30 A.M.

Item	Subject	Page
1.0	Address by the Chairman of the Senate and Director, NIT, Kurukshetra.	
1.1	To note declaration by the Govt. of India to make REC, Kurukshetra as the National Institute of Technology, Kurukshetra with Deemed University Status.	1
1.2	To consider constitution of the Senate approved by the Board of Governors.	2-3
1.3	To consider powers & working/ functioning of the Senate and constitution of various Boards and their powers & function.	4-9
1.4	To consider the Academic Regulations for Under Graduate & Post Graduate Programmes at National Institute of Technology, Kurukshetra.	10-22
1.5	To consider the Ordinances and Regulations for the Degree of Doctor of Philosophy.	23-41
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Item: 1.1 To note declaration by the Govt. of India to make REC, Kurukshetra as the National Institute of Technology, Kurukshetra with Deemed University Status.

The Govt. of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, New Delhi notified in June, 2002 that the Central Government on advice of the University Grants Commission in exercise of the powers conferred by Section 3 of the University Grants Commission Act 1956 (3 of 1956) have declared REC, Kurukshetra as National Institute of Technology, Kurukshetra with Deemed University status for the purpose of the above aforesaid act w.e.f. 26.6.2002.

The Senate may note.

Item: 1.2 To consider constitution of the Senate approved
by the Board of Governors.

The matter regarding constitution of the Senate of the Institute was placed before the Board of Governors in its 1st meeting held on 19.10.2002. The Board has approved constitution of the Senate as under:-

- | | | |
|-----|--|---------------------|
| (1) | The Director,
NIT, Kurukshetra. | Ex-Officio Chairman |
| (2) | All Professors, PTSW and Chairmen
of all teaching Departments | Members |
| (3) | Dean (Planning & Development) | Member |
| (4) | Chief Warden | Member |
| (5) | The following 3 persons, not being employees
of the Institute, have been nominated by
the Chairman of the Institute in consultation
with the Director from amongst educationists
of repute for a period of 3 years w.e.f.
1.9.2002 to 31.8.2005:- | Members |
| (a) | Prof.C.V. Ramakrishnan, Professor,
Department of Applied Mechanics,
Indian Institute of Technology,
New Delhi-110016. | |
| (b) | Prof. S. Gupta,
Principal,
Nemi Chand College of Engineering,
Israna,
Distt. Panipat (Haryana). | |
| (c) | Dr. M P Kapoor,
Director,
Thapar Centre for Industrial Research & Development,
Thapar Technology Campus, Post Box No. 68,
Patiala-147001 (Punjab). | |
| (6) | The following 6 members for their special
knowledge have been appointed by the
Chairman of the Institute in consultation
with the Director for a period of three
years w.e.f. 1.9.2002 to 31.8.2005:- | Members |

- (a) Prof. Sameresh Kar,
(Retired Professor, IIT, Kanpur)
H.No. 501,
I.I.T. Campus,
Kanpur-208016 (UP).
- (b) Er. Surya Kant,
Vice-President,
Tata Consultancy Services,
PTI Building, 5th Floor, Parliament Street,
New Delhi-I.
- (c) Er. V K Sachdeva,
Executive Director,
The Saraswati Sugar Mills,
Yamuna Nagar-135001 (Haryana).
- (d) Prof. K R Sharma,
(Former Prof. & Head,EE, IIT Kanpur),
Vice-President, Samtel Colour Ltd.,
Ghaziabad (UP).
- (e) Shri V K Raizada,
(Former Member Rly. Board),
Managing Director, IRWO,
58, Rail Vihar, Sector 33,
NOIDA (UP).
- (f) Dr. A K Bhatnagar,
Director R & D,
Indian Oil Corporation Ltd.,
Sector 13,
Faridabad-121007.

(7) Registrar

Ex-officio
Member-Secretary

In the MOA/Rules approved for the Institution there is provision of membership of Deans on the Senate. Although there are 3 positions of Deans in the Institution to be nominated by the Director from amongst the Professors, at present two Deans are in office viz. Dean (Planning & Development) and Dean (Academic Affairs). Hence all Deans may be members of the Senate. In addition, Professor-in-Charge (Senate) may be a Special Invitee on the Senate.

The Senate may consider.

- Item: 1.3 To consider powers & working/functioning of the Senate and constitution of various Boards and their powers & functions.

The matter regarding constitution of the Senate as well as its powers and working/functioning as per MOA/Rules approved for the Institute was placed before the Board of Governors in its 1st meeting held on 19.10.2002. While considering constitution of the Senate as well as its working/functioning the Board also decided that bye-laws pertaining to the Senate be framed and put up to the Board in its next meeting for approval. The powers and working/functioning of the Senate as approved by the Board are enclosed as Appendix-I from page 7 to 9.

The duties & responsibilities of the Senate will be exercised through the following agencies:-

- (a) The Senate
- (b) Various Boards of Studies and other Standing Committees constituted by the Senate from time to time.
- (c) Other permanent & adhoc Committees to be appointed by the Senate to carry out specific tasks that may be laid down by the Senate.

The constitution of Board of Studies and their powers & functions will be as under:-

- (1) As decided by the Board of Governors of the Institute in their 1st meeting held on 19.10.2002 there will be six (6) Board of Studies for the following six Departments common for Undergraduate and Postgraduate Courses in the Institute:-

- (i) Civil Engineering Department
- (ii) Electrical Engineering Department
- (iii) Mechanical Engineering Department
- (iv) Electronics & Communication Engineering Department
- (v) Computer Engineering Department
- (vi) Applied Sciences & Humanities Department

(2) The constitution of the Board of Studies of each Engineering Department in the faculty of Engineering & Technology as decided by the Board will be as under:-

- (i) The Chairman of the Department will be Chairman of the BOS.
- (ii) All Professors of the Departments.
- (iii) Three Assistant Professors and three Lecturers from the Department to be nominated by the Director, NIT by rotation according to seniority for a period of three years.
- (iv) Two outside experts to be nominated by the Director, NIT from the panel recommended by the Chairman of the Department for a period of three years.

It has been felt that instead of one Board of Studies for Applied Sciences & Humanities Department there should be four separate Board of Studies for the Departments of Physics, Chemistry, Mathematics and Humanities. Accordingly this matter is being placed before the Board of Governors in their 2nd meeting to be held on 19.4.2003.

(3) The constitution of any Board of Studies may be changed/amended by the Director, if need so arises from time to time. However, the number of outside experts on any Board of Studies may be increased by the Senate.

(4) The powers & functions of Board of Studies of each Department will be as under:-

- (i) To recommend the procedure for the conduct of Undergraduate/ Postgraduate examinations/Ph.D programmes/courses of study and syllabi
- (ii) To recommend the panel of examiners of various subjects/various examinations.
- (iii) To formulate Institute level policy and coordinate as well as review Undergraduate/Postgraduate/Ph.D curricular/co-curricular-extra curricular activities including Scholarships, Courses and their

curricula, time-schedules, evaluation of academic performance of students, research activities of students, academic awards, practical training, academic planning with regard to new activities and review of existing departments and centers.

- (iv) To establish liaison with Industry and to regulate Consultancy Projects, Sponsored R&D Projects, Sponsored and Industry based Short-term Courses, patents and technical know how transfer of Industry and Inter-Institutional Collaborative Links abroad.
- (v) To deal with any matter that may be referred to by the Senate.
- (vi) The Director of the Institute may delegate any other power & function to the Board of Studies as he deems fit.

The Senate may consider & decide.

Appendix-I

**NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA-136119**

Powers & Working/Functioning of the Senate as approved
by the Board of Governors of the Institute in their 1st meeting
held on 19.10.2002 (Item 1.5)

Subject to provisions of the MOA/Rules, the Senate shall have the
following powers:-

- a) frame and revise curricula and syllabi for the courses of studies for the various Departments;
- b) make arrangements for the conduct of examinations; appoint examiners, moderators, tabulators and the like;
- c) declare the result of the examinations or to appoint Committee or Officers to do so and to make recommendations to the Board regarding conferment or grant of degrees, diplomas and other academic distinctions or titles;
- d) appoint Advisory Committees or Expert Committees or both for the Departments of the Institute to make recommendation on academic matters connected with the working of the Department; the Chairman of the Department concerned shall act as convener of such Committee;
- e) appoint Committees from amongst the members of the Senate, other teachers of Institute and experts from outside to advise on such specific academic matters as may be referred to any such Committee by the Senate;
- f) consider the recommendations of the Advisory Committee, if any, attached to various departments and that of Expert and other Committee and take such action (including the making of the recommendation to the Board) as circumstances of each case may require;
- g) make periodical review of the activities of the Departments and take appropriate action (including the making of recommendation to the Board);

- h) supervise the working of the Library;
- i) promote research within the Institute and acquire reports on such research from the persons engaged thereon;
- j) provide for the inspection of the classes and the Halls of Residence in respect of the instruction and discipline therein, supervise the co-curricular activities of the students of the Institute and submit reports thereon to the Board;
- k) award stipends, scholarships, medals and prizes and make other awards in accordance with Bye-laws and such other conditions as may be attached to the awards;
- l) make recommendation to the Board with regard to (i) the creation of posts on the Academic Staff and the abolition thereof, and (ii) the emoluments and duties attached to such posts.

The working/functioning of the Senate as per the MOA/Rules will be as under:-

- (1) The Senate shall meet as often as necessary but not less than four times during a calendar year.
- (2) Meetings of the Senate shall be convened by the Chairman of the Senate either on his own initiative or on a requisition signed by not less than 50% of the members of the Senate. Requisition meeting shall be a special meeting to discuss only those items of agenda for which requisition is made. The requisition meeting shall be convened by the Chairman of the Senate on date and time convenient to him within 15 days of the notice given for such requisition;
- (3) One third of the total number of members of the Senate shall form a quorum for a meeting of the Senate.
- (4) The Director if present shall preside at every meeting of the Senate. In his absence, the senior-most of the Professors present shall preside at the meeting.
- (5) A written notice of every meeting together with the agenda shall be circulated by the Registrar to the members of the Senate at least a

week before the meeting. The Chairman of the Senate may permit inclusion of any item for which due notice could not be given.

- (6) Notwithstanding the provisions of MOA, the Director may call an emergency meeting of the Senate at short notice to consider urgent special issues.
- (7) The ruling of the Chairman of the Senate in regard to all questions of procedure shall be final.
- (8) The minutes of the proceedings of a meeting of the Senate shall be drawn up by the Registrar and circulated to all members of the Senate present in India provided that any such minute shall not be circulated if the Senate consider such circulation prejudicial to or not in the interests of the Institute. The minutes along with amendments, if any suggested, shall be placed for confirmation at the next meeting of the Senate. After the minutes are confirmed and signed by the Chairman of the Senate, they shall be recorded in a minute book which shall be kept open for inspection of the members of the Senate, the Board and the Council at all times during office hours.

Item: 1.4 To consider the Academic Regulations for Under Graduate & Post Graduate Programmes at National Institute of Technology, Kurukshetra

The proposed Academic Regulations for various Under Graduate and Post Graduate Programmes are enclosed as Appendix-II from Page 11 to 22 for consideration & approval of the Senate.

The Senate may consider & decide.

ACADEMIC REGULATIONS

for

UNDER GRADUATE & POST GRADUATE PROGRAMMES



**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119**

2003

A. Academic Regulations

All academic regulations contained herein both for Undergraduate and Postgraduate programmes shall come into force w.e.from new semester starting in July/August, 2003 and applicable to all such Candidates as admitted in this Semester.

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

I Undergraduate Programmes

i) Four years Bachelor of Technology (B.Tech.)

II Postgraduate Programmes

i) Master of Technology (M.Tech.)

A-2 Detail of 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 to 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 Membership of M.Tech. Admission Committee of each Department/School shall consist of:

a) Chairman of the Department	Chairman
b) Faculty-Incharge of Post-graduate Programme (To be appointed by the Chairman of the Department)	Member
c) Senior most Professor/Assistant Professor in the Department.	Member
d) One member from outside the Department to be nominated by the Dean Academic.	Member
- iii) The Committee shall be approved by Dean Academic.
- iv) Powers and duties of the Committee shall be to select the candidates for admission to M.Tech. in accordance with the approved procedure for M.Tech. admission to the Institute, by the Senate/Board of Governors/Govt. of India from time to time.
- v) 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

1. MERIT-CUM-MEANS AND OTHER 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 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 answer book in the presence. The Superintendent shall ask the candidate to make a statement in writing, explaining his conduct. In case the candidate refuses to do so, the fact of his refusal shall be recorded by the Superintendent, which should be attested by atleast 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 Dean (Academic) along with the report. A committee will be appointed by the Dean (Academic) annually to enquire into the cases of attempt at unfair means in the test/examination. It shall submit its recommendations after identifying clearly the category of 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 may return the case(s) to the Committee for reconsideration and thereafter award suitable punishment as recommended originally or recommended after reconsideration after reference for the Dean Academic. The appeals, if any, against such punishment will lie with Chairman, Senate whose decision shall be final.

Schedule A-I

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 having 16 to 18 weeks.

- 1.2 The minimum academic qualifications and age for admission to B.Tech. shall be as decided by MHRD/AICTE/Board of Governors.
- 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 of Academic.
- 2.3 In order to be eligible to sit for End Semester Examinations in paper(s) of any semester, a student must have registered for concerned paper(s) and must have attended not less than 75% of total classes separately in Lectures, Tutorials and Practicals in concerned paper(s). If a student falls short of the required attendance in Lectures or Tutorials or Practicals in concerned paper(s), he/she will automatically be awarded "E" grade in concerned paper(s).
- 2.4 The weightage of the End Semester Examination and evaluation during the semester in different courses will be as 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 (which may consist of mid-semester examinations, 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 as indicated below. 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) as given below. CGPA is defined in Clause 4.3.

Letter Grades	Performance	Grade Point
A	Excellent	10
B	Good	8
C	Fair	6
D	Poor	4
E	Fail	2

A student who earns an E grade in a course shall have to register for that course again when it is offered next.

In each semester, the registration of students who have backlog course(s) will be approved by Dean Academic. The decision of Dean Academic with regard to their

registration of courses in each semester would be final and binding on such students.

- 3.3 The Instructor Incharge of the course will compile all the marks and will award the grades. He will submit a copy of award list to Dean Academic for the preparation of 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 Instructor Incharge (assisted by the team of instructor/tutors) 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 Examination will be set by the Instructor(s) of the course. The Instructor(s) along with the tutors, if any, will evaluate the Answer Books.

- 3.5 (a) For the practical (Laboratory/design/drawing/survey camp/workshop and/or vocational training/project) course and the practical component of a course, the marks will be awarded by the Instructor Incharge of the course (assisted by the team of instructor/tutors) 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 Examination shall publish the final result indicating the grades, the ultimate CGPA and the division obtained by each student on the following basis:

Division	C.G.P.A.
Ist with distinction	8.5 or more
Ist	7.0 or more but less than 8.5
IInd	4.5 or more but less than 7.0

4.0

General

- 4.1 All academic problems of the student 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 will be allowed to register for all the prescribed courses by a department.
- 4.3 A student is required to maintain a Cumulative Grade Point Average (CGPA) of CGPA is the weighted average of all the letter grade obtained by the student since his entry into the Institute upto the 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 to the i th course. Provided that when a student repeats a course as per Clause 3.2, the new grade will replace the earlier one in the calculations of the CGPA.

If a student after obtaining pass grades (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 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.

- 4.4 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.
- 4.5 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 rules.
 - (b) he/she has taken all the required courses.
 - (c) he/she has passed all fees due from him/her.
 - (d) 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 Affairs with his 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 eventually, the student's name shall be struck off from the rolls of the Institute.

6.0 Re-admission

- 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.

- 6.2 Provided that the Regulations regarding admissibility of maximum duration will be implemented strictly and 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.
- 6.3 **Appeal**
Notwithstanding the above the Senate may, on appeal, relax any of the conditions of Clause 5 and in case of extreme hardship, at its discretion. Its decision shall be final and binding.
- 6.4 The maximum period in which a student must qualify for the award of B.Tech degree will be six years, failing which a student will not be allowed to continue his/her Studies for B.Tech Degree

A-II

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 semester) for M.Tech. programmes. Each academic year will be divided into two regular semesters, which will be 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. The Candidates must have passed the qualifying examination with minimum 60% marks from Universities recognized by the Institute in the disciplines prescribed by the Senate. GATE qualified Candidates shall be given preference over other candidates as per rules.
- 1.3 Relaxation of 5% marks in the eligibility conditions will be allowed to scheduled Caste/Tribe 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 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 In order to be eligible to sit for End Semester Examinations in paper(s) of any semester, a student must have registered for concerned paper(s) and must have attended not less than 75% of total classes separately in Lectures, Tutorials and Practicals in concerned paper(s). If a student falls short of the required attendance in Lectures or Tutorials or Practicals in concerned paper(s), he/she will automatically be awarded "E" grade in concerned paper(s).

- 2.4 The weightage between 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 as indicated below. 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) as given below. CGPA is defined in Clause 4.1.

Letter Grade	Performance	Grade Point
A	Excellent	10
B	Good	8
C	Fair	6
D	Poor	4
E	Fail	2

Student who earns an E grade in a course shall have to register for that course again when it is offered next. However, the student may be allowed to study an equivalent course, if necessary, with the approval of Dean Academic.

In each Semester, the registration of students who have backlog Course(s) will be approved by Dean Academic and his decision in such matters will be final and binding.

- 3.3 The Instructor Incharge of the course will compile all the marks and will award the grades. He will submit a copy of award list to Dean Academic for the preparation of 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.

4.0 General

- 4.1 CGPA is the weighted average of all the grades awarded to a student since his entry into the Institute upto 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 to the i th course.

Provided that when a student 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 grades 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:
- he/she has satisfied all the academic requirements as per the regulations.
 - he/she has paid all fees due from him/her.
 - 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 Affairs with his 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 eventually, 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.
- 5.3 Provided that the Regulations regarding admissibility of maximum duration will be implemented strictly and 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.
- 5.4 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 M.Tech. degree will not, in any case, exceed 3 years (Six Semesters).
- 5.5 The minimum CGPA required for the award of degree 5.50. If a student after obtaining pass grades (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 of additional semester(s) for improvement will be counted within maximum duration permissible for the programme.
- Successful students for the degree of M.Tech. will be classified as under:

Division	C.G.P.A
Ist with distinction	8.50 or more
Ist	7.00 or more but less than 8.50
IInd	5.50 or more but less than 7.00

5.6 Appeal

Notwithstanding the above the Senate may, on appeal, relax any of the conditions of Clause 5 and in case of extreme hardship, at his discretion. His decision shall be final and binding.

Apart from clause 1 to 5, the following specific clauses (6.1 to 6.10) will also apply for M.Tech. programmes

6.1 Eligibility for admission

6.1.1 Admission to M.Tech regular courses shall be made on the basis of joint merit in lower exam (B.Tech./B.E.) and GATE in the relevant discipline.

6.1.2 Part-Time M.Tech. programme is open only to the faculty members of the Institute.

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 thesis under the supervision of a teacher of the Institute. However, if the Dean Academic on the recommendation of the Chairman the Department concerned, is satisfied that the facilities for the thesis do not exist at the Institute, he may allow the student to do his 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 thesis a minimum of one month in the Institute under his 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 will 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 has obtained other information contained in his 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 6 semesters, 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 7 semesters. The maximum duration for part-time students shall be 10 semesters, failing which a student will not be allowed to continue his/her studies for the programme.

6.6 The student will submit his thesis within the prescribed maximum period as per 'Clause 6.5' but not earlier than in the fourth semester for a regular student and not earlier than in the seventh semester for a part-time student. The result of the thesis, will be declared only after the student has passed in prescribed number of papers and has fulfilled the academic requirements of his 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 5.50 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 may be permitted to improve his CGPA by studying upto a maximum of five courses in which he either obtained grade 'D' earlier or by taking substitute courses with the concurrence of the Chairman of the Department concerned in two semesters only in case of regular students and upto a maximum of three semester in case of part-time student.

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

6.8 The award in the thesis will be either "approved with Distinction" "approved" or "rejected"

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/Minor project and the CGPA for the degree.

Successful students for the degree of Master of Technology will be classified as under:

Classification	C.G.P.A.
Ist with distinction	8.50 or more & thesis approved
Ist division	7.00 or more but less than 8.50 & thesis approved
Pass	5.50 or more but less than 7.00 & thesis approved

6.10 Sponsored Candidates with 60% marks in the qualifying examination are eligible for admission. Such candidates must have a minimum of two years of full time work experience in a registered firm/company/industry/educational and research institutions/any Government Department of Government Organization in the relevant field in which admission is being sought. The employer in the sponsorship certificate must indicate that the fee will be borne by the sponsoring organization the candidate will not be withdrawn before the completion of the programme and absorbed after the completion of the programme.

7.0

Scholarship:

All GATE qualified M.Tech. candidates all get Rs. 5,000/- p.m. as scholarship of Govt. of India besides contingency grant as per rules also after joining the course. Non-Gate candidates may also be eligible for such assistance if rules permit, from the date they clear the GATE after admission.

The interpretation of any of the regulations contained here in shall lie with the Director of the Institute in case it is required so. The decision of the Director shall be final and binding up on all concerned.

The Senate has a right to change/amend/introduce any of the existing and new rules/regulations mentioned or not mentioned here.

Item: 1.5 To consider the Ordinances and Regulations for the Degree of
Doctor of Philosophy

The proposed Ordinances & Regulations for the Award of Degree of
Doctor of Philosophy are enclosed as Appendix-III from Page 24 to 41 for
consideration & approval of the Senate.

The Senate may consider & decide.

APPENDIX-III

ORDINANCES & REGULATIONS

for

The Degree of DOCTOR OF PHILOSOPHY



**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119**

2003

NATIONAL INSTITUTE OF TECHNOLOGY (DEEMED UNIVERSITY)

NATIONAL INSTITUTE OF TECHNOLOGY (DEEMED UNIVERSITY)
KURUKSHETRA-136119
ORDINANCES & REGULATIONS FOR THE
DEGREE OF DOCTOR OF PHILOSOPHY

PREAMBLE

National Institute of Technology (NIT) (Deemed University), Kurukshetra offers postgraduate programmes leading to the award of Ph.D. degree through its Departments. The award of Ph.D. degree is in recognition of high academic achievements, quality research and application of knowledge to the solution of technical and scientific problems in Science, Technology, Humanities & Social Sciences.

The institute also encourages research in interdisciplinary areas through a system of co-supervision and provides excellent opportunities for such programmes. The institute also undertakes sponsored research and development projects from industrial and other organizations in the public as well as private sector.

It is desired that the research work be an original work characterised either by the discovery of facts, or by a fresh approach towards the interpretation and application of facts, or development of equipment making a distinct advance in instrument technology. It shall evince the candidate's capacity for critical examination and sound judgement and shall represent original contribution to the existing knowledge.

ORDINANCES

1. DEFINITIONS

- (i) **"DRC"** shall mean Department Research Committee.
- (ii) **"Applicant"** shall mean an individual who applies for admission to the Ph.D. programme of the National Institute of Technology, Kurukshetra on a prescribed Application Form.
- (iii) **"BOS"** shall mean the Board of Studies of the National Institute of Technology, Kurukshetra.
- (iv) **"Candidate"** shall mean a person registered for the Ph.D. Degree and who has successfully completed the requirements.
- (v) **"Caretaker Supervisor"** shall mean a member of the academic staff appointed to look after the candidate's research interests in the absence of the Supervisor and after the submission of the thesis.
- (vi) **"Co-Supervisor"** shall mean an additional supervisor approved by the BOS on the recommendation of Department to help in the accomplishment of the research work of the candidate.
- (vii) **"Dac"** shall mean the Dean Academic.

- (viii) **“Degree”** shall mean the Degree of Doctor of Philosophy (Ph.D.) of the National Institute of Technology, Kurukshetra.
- (ix) **“Educational Institution”** shall mean those colleges which offer Bachelor’s Degree or higher.
- (x) **“Full-time Research Candidate”** shall mean a person registered for the Ph.D. Degree devoting full time for completing the degree requirements.
- (xi) **“Institute”** shall mean the National Institute of Technology, Kurukshetra.
- (xii) **“Institute Research Candidate”** shall mean a person registered for the Institute Ph.D. Degree as a full time research candidate.
- (xiii) **“Minimum Registration Period”** shall mean the minimum period for which a candidate must be registered.
- (xiv) **“ORG”** shall mean PSU/ Govt. deptts./ R&D units.
- (xv) **“Part time research Candidate”** a person who is registered for the Ph.D. degree and will devote part of his/her time towards this pursuit and devote part of time towards the discharge of his official obligations.
- (xvi) **“Registration Period”** shall mean the length of time span commencing with the date of initial registration at the Institute on full-time basis.
- (xvii) **“Residency”** shall mean the minimum period for which a candidate must attend the institute on full-time basis.
- (xviii) **“Sponsored Research Candidate”** shall mean a full time research candidate except that he/she receives complete financial support from the sponsoring organization/ his (her) employer.
- (xix) **“Supervisor”** shall mean a member of the academic staff of the Institute approved by BOS on the recommendation of Department/ Centre to guide/supervise the research/ academic work of the candidate.

NOTE: ‘He’ & ‘His’ imply ‘he’/ ‘she’ and ‘his’/ ‘her’ respectively.

- 2. 0.1 The minimum entry qualification for admission to the Ph.D. programme shall be:
A Master’s degree in Engineering/ Technology/ Science/ Humanities and Social Sciences/ Management or any other equivalent qualification recognised by the Institute.
- 0.2 A candidate registered for the Ph.D. programme shall be required to satisfy a minimum registration period requirement, as laid down in the Regulations
- 0.3 A candidate shall be required to work at the Institute, under the guidance of approved supervisor(s). In special circumstances, a full-time candidate may be permitted by the BOS to carry out his research outside the institute.
- 0.4 A candidate will be required to complete all the requirement for the award of the degree within a period specified in the regulations
- 0.5 The date of initial registration shall normally be the date on which the student formally registers and deposits the fee for the first time in the beginning of a Semester for the Ph.D. programme, which shall also be the date of his joining the programme for all the intents and purposes.

- 0.6 For a student to become a candidate for the degree, he shall have to satisfy the requirements as laid down in the Regulations and be accepted by DRC.
- 0.7 For the purpose of minimum residential requirement in the case of change of status from full-time to part time, the time spent as full time will be taken into account.
- 0.8 If a candidate withdraws from his Ph.D. programme or his registration is terminated, his candidate status ceases.
- 0.9 The award of the Ph.D. to an eligible candidate shall be made in accordance with the Regulations of the Institute.

REGULATIONS

The following Regulations shall apply to all categories of candidates pursuing courses of study and research leading to the Ph.D. degree:

R.1 CLASSIFICATIONS

R.1.1 The applicant for admission to the Ph.D. programme shall be classified under any one of the following categories which will be decided and recommended by DRC.

(i) Full-time Research Candidate:

a) Institute Research Candidate

Institute Research Candidate getting Institutional Fellowship, if available

b) Govt./Semi Govt. Fellowship Awardee (QIP, CSIR, UGC, DAE, DST, DBT, etc.)

These research scholars receive their fellowship and contingency grants from supporting organizations such as Council for Scientific and Industrial Research (CSIR), University Grants Commission (UGC), Quality Improvement Programme (QIP), Department of Atomic Energy (DAE), Department of Science and Technology (DST), Department of Biotechnology (DBT), Indian Council of Medical Research (ICMR), DRDO, AICTE and other similar organizations.

c) Sponsored Candidates

An employee of a Public Sector Undertaking, a Government Department, a Research & Development Organisations, or a private industry (approved by the concerned DRC/ BOS) or an Educational Institution, with a minimum relevant working experience of two years or a Defence Sponsored Officer may be considered for admission as a sponsored (full-time)/ part-time Research Scholar. Sponsored applicants will be eligible for admission provided that they are treated by their employers as on duty with their normal salary and allowances and are fully relieved for the period of study.

d) Self-financed (Indian/ Foreign)/ Study Leave/ College Teacher

- Indian: This category refers to persons with experience and with good track record to join the doctoral programme. They will be admitted along with the regular research candidates through the usual admission procedure.
- Foreign: These students are admitted through Embassy of the respective Govts. after getting approval from the Ministry of External Affairs and no objection

certificate from the Ministry of Human Resources Development, Department of Education, Govt. of India or admitted under an MoU.

- Study Leave: This category refers to persons who are relieved from governmental or educational institutions on study leave for a period of not less than three years for pursuing Ph.D. programme.

e) ICCR Awardees (Foreign Students)

These candidates are sponsored by their Governments and awarded scholarship by ICCR, Govt. of India. They should apply for admission through Indian Embassy in their country.

ii) Part-time Research Candidate:

f) Institute Faculty/ Staff

This category refers to persons who are permanent employees of the Educational Institutes/ ORG with more than 2 years of service and are admitted to the Ph.D. Programme. They are expected to work for their Ph.D. Programme after fulfilling their normal duties.

g) Project Staff

This category refers to persons who are working on various projects undertaken by the Institute where Ph.D. registration is not a requirement but are admitted to Ph.D. programme. They are expected to work for their Ph.D. Programme after fulfilling their normal duties.

h) External Candidates (Sponsored)

After completion of requirements as per regulations the DRC may examine to allow to register for Ph.D. with a supervisor from the Institute (Internal) and other (External) from the parent organization where they will be doing the research work. They shall produce sponsorship certificate from the parent organization along with the application for admission.

R.2. CONSTITUTION OF DEPARTMENT RESEARCH COMMITTEE

The DRC shall consist of:

- (i) Chairman BOS concerned
- (ii) All Professor of the Department
- (iii) Three Assistant Professors of department by rotation provided they are Ph.Ds. The term of Assistant Professors will be 2 years.
- (iv) Supervisor(s) of the candidate

R.3. ADMISSION ELIGIBILITY

R.3.1 An applicant possessing the following qualifications in appropriate areas shall be eligible to apply for admission for Ph.D. programme of the Institute.

Masters degree in Engineering/ Technology/ Sciences/ Humanities & Social Sciences and Management in respective discipline or equivalent with a minimum

Cumulative Grade Point Average (CGPA) of 6.75 on a point scale or equivalent as determined by the Institute wherever letter grades are awarded; or 60% marks in aggregate (of all the years/ semesters) where marks are awarded.

R.3.2 Admission of Institute of Faculty/ Staff

A member other than teaching faculty of the Institute who satisfies eligibility qualifications may be considered for admission to the Ph.D. programme as a part time student provided he has been given administrative clearance by the Director of the Institute. Those with B.Tech/ B.E./ M.Sc./ M.A. or equivalent qualification and with less than two years of relevant working experience must have a valid GATE score or must have qualified any other examination by those like UGC/ CSIR, etc.

R.3.3 Eligibility for Part-time Ph.D.

- a) the applicant possesses the minimum entry qualifications for the award of Ph.D. degree as per regulations;
- b) the applicant proves to the satisfaction of the BOS that his official duties permit him to devote sufficient time to research;
- c) facilities for pursuing research are available at the applicant's place of work in the chosen field of research;
- d) he/she will be required to reside at the Institute for a period of not less than 6 months after his/her registration for the degree. (This condition of minimum residence period will be automatically waived off for candidates who are working in Kurukshetra or in ORG/ Educational Institutions located within a distance of 125 Km from the Institute).

R.3.4 Eligibility for Institute Fellowship to teachers of Engineering/ Science colleges

The faculty of Engineering/ Science Colleges may be considered for the award* for Institute Fellowship for pursuing Ph.D. Programme at NIT, Kurukshetra subject to the following terms and conditions:

- (a) The concerned faculty member of the Engineering/ Science College must be sponsored by their respective Institutions to pursue the Ph.D. Programme at NIT, Kurukshetra.
- (b) The sponsored faculty member of the Engineering/ Science Colleges should either hold an M.Tech degree and should satisfy the eligibility as per R.2.1.
- (c) The member of Fellowship should be within the sanctioned limit of a particular Department.
- (d) The DRC should examine each case on merit before making recommendations to the DAc for the award of Institute Fellowship.

* Subject to availability of such fellowships

R.4 RESERVATION/ RELAXATION

- R.4.1** Fifteen percent (15%) fellowships (of the total sanctioned Institutional fellowships) shall be reserved for Scheduled Caste applicants and 7.5% for Scheduled Tribe applicants in each of the categories of Research Candidates. A total of 3% fellowships,

over and above the sanctioned strength, will be reserved for physically handicapped applicants in all the Ph.D. programmes of the Institute put together.

- R.4.2 For the SC/ST applicants and for others holding Master's Degree (e.g., M.A.) with English seeking admission to Ph.D. English in the Department of Humanities and Social Sciences with eligibility requirement of CGPA may be relaxed to 6.25 on a 10 point scale or equivalent, or to 55% marks.
- R.4.3 The SC/ST applicants holding B.Tech Degree or equivalent may be allowed 5% relaxation in marks or equivalent relaxation in CGPA.
- R.4.4 Physically handicapped applicants may be allowed relaxation in eligibility requirement of CGPA to 6.25 on a 10 point scale or equivalent, or to 55% marks. They will be allowed any other relaxation beyond this limit even if they belong to SC/ST category and/are holders of the Degree of M.A. in English etc.
- R.4.5 For the SC/ST applicants minimum GATE score requirement will be 60 percentile.

R.5 SHORTLISTING

- R.5.1 (a) The short listing of applicants for the purpose of admission test/ interview will be done by the DRC of concerned department.
- (b) The DRC of the concerned department may set the shortlisting criteria, if considered necessary, higher than the minimum eligibility defined above.
- (c) The basic guidelines/ instructions for short listing will be issued by the DAc with the approval of the BOS.

R.6 REGISTRATION

- R.6.1 Every candidate will be required to renew the registration every semester till the submission of the thesis. The renewal of registration every semester shall be subject to satisfactory progress in his research work as recommended by DRC.
- R.6.2 **Time Period Requirement for Submission**
 - a) A candidate who has a B.Tech/ M.Sc./ M.A. degree or its equivalent shall be required to be registered for the degree for a period of not less than three calendar years (36 months) from the date of his initial registration; in exceptional cases, the minimum period of registration may be reduced to two calendar years (24 months) with the approval of the Senate. For a candidate who has an M.Tech. degree or its equivalent the minimum period of registration shall be two calendar years (24 months).
 - b) The candidate of all categories shall normally submit their thesis within a period of five years from the date of their initial registration for the Ph.D. Programme. However, as a special case, this limit may be extended to a maximum of seven years by the DAc after which the registration shall stand cancelled automatically.
 - c) Notwithstanding above, the senate may relax the conditions under (a), (b) above in exceptional circumstances and in individual cases, as per the recommendations of DRC, BOS and DAc.

R.7 THESIS SUPERVISOR(s)

R.7.1 Every admitted candidate shall be assigned a Research Supervisor(s) by the Department as per preference of the candidate, subject to approval of DRC & BOS. For this purpose, a form given in Annexure A will be completed and processed during first semester of the candidate's joining.

R.7.2 Supervisor(s) can be any full-time faculty member of the Institute with a Ph.D. degree.

R.7.3 The DAe on the recommendations of the DRC, may appoint more than one Supervisor(s) not exceeding a total of three to supervise the candidate. These may be from inside or outside the Institute and normally, there should not be more than two supervisors from within the Institute. Appointment of any other Supervisor(s) would not be made after the lapse of 18 calendar months from the date of initial registration of the candidate. However, if appointed, he will be designated as co-supervisor.

R.7.4 Appointment of Supervisors and Caretaker Supervisor for Ph.D. students

A faculty member appointed as Ph.D. supervisor is normally expected to be available to a research candidate in the Institute till the thesis is submitted. However, under unavoidable circumstances, such as: long leave of more than 12 months; resignation; retirement; or death; a supervisor may not be available to the scholar. In such special cases, appointment of supervisor(s) will be regulated as under:

I. A Supervisor proceeding on long leave of more than 12 months.

- (a) (i) Where more than one supervisor exists, the supervisor proceeding on long leave more than 12 months can continue to be a supervisor.
- (ii) Where only one supervisor exists, another supervisor may be appointed by the DRC in cases where a candidate has not yet submitted his synopsis.
- (b) (i) If the synopsis of the thesis has been submitted before the supervisor proceeds on leave, he will continue to be the supervisor and only a caretaker supervisor will be appointed.
- (ii) If the thesis has been submitted before the supervisor proceeds on leave, he will continue to be the supervisor and only a caretaker supervisor will be appointed.
- (iii) Further, if major revision becomes necessary, and the sole supervisor is on leave, he should be asked to specifically state whether he would effectively help the student carrying out the major revisions within a reasonable period. In case the sole supervisor expresses his inability due to one reason or the other, the caretaker supervisor, if he provides the required help in carrying out the major revision, will automatically be treated as a supervisor of that candidate.
- (c) If a supervisor proceeds on leave for a period less than 12 months initially, but later extends his leave beyond 12 months, the above procedure will be followed. The extension granting authority will inform the DAe/ BOS accordingly.
- (d) If the supervisor proceeds on leave for more than 24 months he/she will cease to be supervisor.

II. A Supervisor retires

A faculty member who is due to retire within the next two years can be appointed as a supervisor and can continue to be the supervisor even after his retirement provided the DAe is convinced of his availability/continued guidance to the student. In other cases, a

faculty member on retirement may continue as a supervisor, if reemployed or appointed Emeritus Fellow; or, if the synopsis of the thesis has been submitted. Appointment of another Supervisor, if necessary, will be as per I (a); and that of a caretaker supervisor as per I (b) above.

III. A Supervisor resigns

A new Supervisor will be appointed, if necessary, as per I (a), and a caretaker supervisor as per I (b).

IV. A Supervisor expires

A new Supervisor will be appointed, if necessary, on the recommendation of DRC.

R.7.5 The maximum number of students which can be supervised by a faculty member at any time at NIT, Kurukshetra will be five. However, this will be as decided by the Senate from time to time.

R.8 PATTERN OF COURSES AND CREDITS

The Candidate shall have to meet the requirements of courses and credits as a pre-requisition for the award of Ph.D. as the Senate may decide from time to time.

R.9 COMPREHENSIVE EVALUATION

R.9.1 Each candidate will be required to take a comprehensive examination after admission & registration which will test candidate's comprehension of his broad field of research and his academic preparation and potential to carry out the proposed research plan. The comprehensive examination may be a combination of written and oral examination and may be separately conducted before evaluation of the research proposal. The examination will be conducted by a DRC, of the concerned department.

Experts at (b) and (c) above will be nominated by Chairman of the Department from amongst those proposed by Supervisor(s).

R.9.2 The following procedures are to be uniformly followed by all the Departments in conducting the comprehensive evaluation for Ph.D. candidates.

- (a) The written examination should then be conducted by the DRC of the student within the guidelines laid down by the respective DRC.
- (b) The result of the written examination should be declared within two weeks.
- (c) After the student has passed the written examination, the oral examination should be conducted by the DRC of the candidate within the broad guidelines laid down by the respective DRC.
- (d) This should be followed by evaluation of the research proposal.

R.9.3 The DRC on the basis of the performance of Candidate in the examination will make one of the following recommendations.

- (a) (i) Passed
- (ii) To reappear in the examination after a defined period of time specified by the DRC.
- (iii) Failed

(b) Research Plan

- (i) Approved
- (ii) Not Approved

- R.9.4** A student will be provided a maximum of two attempts to pass the comprehensive evaluation.
- R.9.5** Full-time and part-time candidates must qualify the comprehensive evaluation within 18 and 24 months, respectively from the date of joining the programme, failing which their registration will be cancelled.

R.10 PERFORMANCE MONITORING

- R.10.1** The academic/research progress of each candidate will be monitored by DRC. For this purpose, each candidate will be asked to submit a progress report at the end of each semester to Chairman-DRC through Supervisor(s).
- R.10.2** The Chairman-DRC in the Department will be coordinating collection of progress reports written and signed by the candidate and forwarded by the supervisor(s) every semester.
- R.10.3** The Supervisor(s) and DRC will evaluate the progress report of the candidate.
- R.10.4** If the progress is 'unsatisfactory' a warning would be issued to the candidate. Subsequently, the fellowship (in case of regular scholar) of the candidate would be withheld, if approved so by BOS, DAc. The candidate may be given two chances to improve upon the progress.
- R.10.5** There will not be any need to send progress report to DAc. Only those cases where some action is required will go to the DAc.

R.11 SEMINAR/ SYNOPSIS/ PANEL OF EXAMINERS

R.11.1 Seminar

- a) DRC shall assess the work through pre-synopsis seminar. The candidate can submit the synopsis only if the DRC is satisfied about the quality of the work for submission as a Ph.D. thesis.
- b) Details of the pre-synopsis seminar shall be adequately notified so as to enable interested staff members and students to attend it.

R.11.2 Synopsis

- a) The synopsis should be submitted normally within 2 months after the presentation of pre-synopsis seminar. In case the synopsis is not submitted in the specified period, the student may be asked to present another pre-synopsis seminar.
- b) The students shall submit the synopsis of his/her work normally at least one month before submitting the thesis.
- c) On completion of the research work the candidate shall submit to DRC through supervisor(s), 8 copies of the synopsis. The DRC will forward the synopsis with its recommendations to the DAc

- d) The candidate shall be required to submit fresh synopsis if he fails to submit his thesis within 8 months of the submission of the earlier synopsis. However, in case a candidate fails to submit his thesis within the stipulated time and has suitable justification for the same, the DAC may on recommendations made by the DRC and on individual merits of each case grant his extension in time by not more than two months, i.e. the candidate may be allowed to submit his thesis within a period normally not exceeding 10 months from the date of the submission of the synopsis. However, the thesis should be submitted within the prescribed time limit as per regulations and approved by BOS.

R.11.3 Panel of Examiners

- a) A panel of at least ten external experts in the area of the Ph.D. thesis would be suggested by the Supervisor(s) and recommended by the DRC while forwarding the title and synopsis of the thesis. The panel so recommended may include the examiners from outside India.

R.12 BOARD OF EXAMINERS

- R.12.1** On receipt of the title and synopsis of the thesis, the DAC will appoint a Board of Examiners for each candidate from the list approved by the BOS. The Board will consist of one internal examiner, normally the Supervisor as recommended by DRC & BOS and two external examiners, who shall be experts in the subject of the thesis. These external examiners shall be chosen normally from the panel of examiners recommended and approved by the DRC and BOS as aforesaid. A person working in the same laboratory (ies)/ Institution(s) where Research Candidate is employed cannot, however, be appointed as External Examiner for evaluating the Thesis of that Research Candidate. Further no person can be appointed as External Examiner from Laboratory/Institution to which the Co-Supervisor(s) of the Research candidate belongs.

R.13 THESIS SUBMISSION

The thesis should bear evidence of the candidate's capacity for analysis and judgement as well as his ability to carry out independent investigation, design or development. No part of the thesis or supplementary published work, shall have been submitted for the award of any other degree or diploma.

- R.13.1** The thesis shall be written in English or Hindi and shall contain a critical account of the candidate's research. It should be characterised by discovery of facts or fresh approach towards interpretation of facts and theories or significant contribution to knowledge or development or a combination of these. It should bear evidence of the candidate's capacity for analysis and judgement as well as ability to carry out independent investigation, design or development.
- R.13.2** The Ph.D. thesis must contain the following copyright certificate in the beginning of the thesis, on a separate page on the left side:

© NATIONAL INSTITUTE OF TECHNOLOGY, (DEEMED UNIVERSITY)
KURUKSHETRA, 200...

ALL RIGHTS RESERVED

R.13.3 A candidate may submit his thesis within the time period as stipulated in regulations provided that:

- (i) he has completed the minimum period of registration as required
- (ii) he has become a candidate for the award of Ph.D. degree as required
- (iii) he has submitted the title and synopsis of the thesis at least one month prior to the submission of the thesis.

R.13.4 The candidate for the degree shall submit three unbound copies of the thesis with a soft cover. In case of co-supervision four/five copies of thesis shall be submitted by the candidate.

R.14 **THESIS EVALUATION**

R.14.1 Each examiner will be requested to submit to the DAc a detailed assessment report and his recommendation on the prescribed proforma within six weeks of the date of receiving the thesis.

R.14.2 In the event of the thesis report not being received from an examiner within a period of three months, the DAc may appoint another examiner in his place for evaluating the thesis.

R.14.3 (i) Examiners will examine the thesis individually with a view to judge that the thesis is a piece of research work characterised by:

- a) The discovery of facts, or
- b) A fresh approach towards interpretation and application of facts or theories, or
- c) A distinct advance in instrument technology.

(ii) The examiner will be required to give his opinion about candidate's capacity for critical examination and sound judgement. The internal examiners shall be submitting one report. All examiners will submit the reports on the prescribed form clearly stating that:

- a) The thesis is recommended for the award of Ph.D., or
- b) The thesis is recommended for the award of Ph.D. Degree subject to the candidate giving satisfactory answer to queries specifically mentioned in the report at the time of Viva-Voce examination, or
- c) The candidate be allowed to resubmit his thesis in the revised form, or
- d) The thesis be rejected.

(iii) a) If all the three examiners recommend acceptance of the thesis, their recommendations shall be accepted.

b) If two of the three examiners recommend resubmission under (c) above, their decisions would be accepted. In such an event candidate may, however, be

allowed to submit the thesis normally within one year, provided the title of the thesis remains unchanged. Normal procedure will be followed for the evaluation of the thesis.

- c) If one of the examiners recommends rejection, the comments made by the examiners be sent to the examiner and his clear verdict sought. The examiner may then recommend acceptance, rejection or revision of the thesis.

In case the thesis is accepted, sub-clause (a) above will be applicable. In case recommendation for revision, sub-clause (d) below will apply. However, if the examiner still recommends rejection, a fourth examiner would be appointed from the panel of the examiner already approved by the DAC. In such cases sub-clause (e) will apply.

- d) In case one examiner recommends revision of the thesis, the thesis would be revised normally within one year, if the candidate so desires. The revised version of the thesis would be sent to all the examiners for their recommendations.

If the candidate does not agree for revision, he may ask for appointment of the fourth examiner under sub-clause (e) below:

- e) The new examiner if appointed, shall be Indian or Foreign depending on whether the thesis was rejected by an Indian or a Foreign examiner in the first instance. The reports of all the examiners will be sent to him/her without revealing the identity of the examiners, along with the response of the candidate, if any, to these. The thesis shall be deemed to be acceptable if three out of four examiners recommended acceptance.

If the fourth examiner recommends revision, the thesis would be suitably revised and resubmitted normally after 3 months and sent for examination to all the examiners except the one in whose place the fourth examiner was appointed.

In case the fourth examiner recommends rejection is not accepted by the candidate, the thesis would be rejected. The candidate may then avail the benefit of sub-clause (b) above.

- f) If two of the three examiners recommend revision of the thesis, the candidate may revise the thesis accordingly and resubmit it normally within a period of one year for the evaluation by the same set of examiners.

- g) The correspondence regarding (c), (d) and (e) above will be done by the DAC.

- h) If one examiner recommends rejection and other examiner recommends revision of the thesis, the candidates may revise the thesis and resubmit it normally within a period of one year, for revaluation by the same set of examiners.

- (iv) Any doubt arising out of the procedure laid down above shall be referred to the Director for a decision.

R.15 RESUBMISSION

In case of resubmission of the thesis, a fresh fee for the examination shall be paid by the candidate.

R.16 VIVA-VOCE EXAMINATION

R.16.1 If the thesis is recommended for the award of degree, the candidate shall be required to defend his work/thesis orally (viva-voce examination) before a committee of examiners comprising of one internal and one external examiner. Details of the viva-voce shall be adequately notified so as to enable interested staff members and students to attend it.

R. 16.2(i) In case of non-availability of the Indian External Examiner in conducting the viva-voce examination, the DAC may appoint examiner to conduct the viva-voce examination from the existing panel.

If need be, the DRC may suggest a fresh panel of examiners.

(ii) The viva-voce examiners shall be provided with the comments made by the examiners before the viva-voce examination.

(iii) Internal examiner shall arrange for the viva-voce examination of the candidate as early as possible.

(iv) In case of the inability of the internal examiner(s) to have the viva-voce examination conducted due to any reason whatsoever, the DAC may appoint another Internal Examiner from amongst the faculty of the department concerned who belongs to the particular field in consultation with DRC and Chairman Department concerned to conduct the viva-voce examination. In such cases also, the Ph.D. work will be deemed to have been carried out under the guidance of the supervisor(s) only.

(v) Any other matter not explicitly provided herein or of an exceptional nature, may be referred to the Director for his decision.

R.17 AWARD OF Ph.D. DEGREE

R.17.1 On the completion of all stages of the examination, the committee of examiners shall recommend to the DAC, one of the following courses of action:

(a) that the degree be awarded;

(b) that the degree shall not be awarded. The thesis will be rejected on the conclusion that the thesis is not genuinely the work of the candidate.

In case of (a) and (b), the Committee of examiners shall also provide to the candidate a list of all corrections and modifications in the thesis (if required) including suggestions made by the examiners during the thesis evaluation.

R.18 FINANCIAL ASSISTANCE (Institutional Fellowship)

R.18.1 Those candidates who are admitted on full-time basis are considered on request, for the award of Institutional Fellowship of the amount as decided by the Board and directed by the Government of India from time to time.

The students getting Institutional Fellowship will provide 8 hrs of teaching assistance per week.

R.18.2 In addition, the students are given contingency grant in accordance with the rules of the Institute. The maximum duration for which fellowship is contingent on satisfactory academic and research performance and satisfactory performance in the discharge of responsibilities assigned under the scheme.

It is to be noted that admission to the Programmes and award of fellowship are not linked. Admission to any programme does not guarantee the award of fellowship. Those who are not awarded fellowship can continue with the programmes as a self-financing candidate.

The Institute may provide fee waiver subject to the final approval of Director on the recommendation of DRC & DAe

R.19 LEAVE AND ATTENDANCE

A candidate will be entitled to avail as per Leave Rules/ Attendance Rules formulated and amended from time to time by the Senate. Presently these are as under:

During Course work: A full-time Ph.D. candidate during his/her stay at the Institute will be entitled to leave for 30 days including leave on medical grounds, per academic year. He/she will not be entitled to mid-semester breaks, summer and winter vacation at the end of the first semester.

Leave beyond 30 days in an academic year may be granted to a Research Scholar in exceptional case, by the Chairman of the Department concerned, subject to the following conditions:

- (i) the leave beyond 30 days will be without Assistantship/ Scholarship; and
- (ii) such an extension of leave upto additional 30 days will be granted only once during the programme of the scholar.
- (iii) The leave may be subject to the approval of the Chairman of Department concerned on the recommendation of the Supervisor; and a proper leave account of each candidate shall be maintained by the Department concerned.
- (iv) The women research candidate will be eligible for Maternity Leave fellowship once during the tenure of the award.

R.20 CANCELLATION OF REGISTRATION

R.20.1 Registration of a candidate shall be cancelled in any one of the following eventualities, after due approval of DAC.

- (i) if he absents himself for a continuous period of four weeks without prior intimation/ sanction of leave.
- (ii) if he resigns from the Ph.D. Programme and the resignation is duly recommended by the Supervisor.
- (iii) if he fails to renew his registration within 4 weeks of the start of the semester as per provision contained in these Ordinances & Regulations.
- (iv) if his academic progress is found unsatisfactory.
- (v) If he does not clear the comprehensive evaluation as stipulated.
- (vi) If he is found involved in an act of misconduct and/or indiscipline and termination has been recommended by a competent authority.

R.21 GENERAL

R.21.1 Notwithstanding anything contained in these Ordinances & Regulations, all categories shall be governed by the rules and procedures framed by the senate in this behalf, and in force from time to time.

R.21.2 Any doubt or dispute about the interpretation of these Ordinances and Regulations shall be referred to the Chairman, Senate whose decisions shall be final.

R.21.3 Eligibility for admission to Ph.D. programmes in different disciplines may be reviewed from time to time by the concerning department and approved by the Senate.

ANNEXURE-A

**NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119**

Sr. No.....
**APPLICATION FOR ADMISSION TO THE DEGREE OF
DOCTORATE IN PHILOSOPHY (PH.D.) COURSE.**



To
The Chairman,
Department of
National Institute of Technology,
Kurukshetra

Sir/Madam,

I hereby apply for admission as a research candidate to the Ph.D. Course in the Department ofNational Institute of Technology, Kurukshetra and submit the following particulars in support of my application. I have read the Ordinance & Regulations for this course and undertake to abide by it and also the amendments/ additions made therein from time to time. I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief and I authorise the Institute to take any action against me in the event of any information given by me in this application having been found false or incorrect subsequently.

Yours faithfully,

Signature of Candidate

Place.....
Dated.....

(Particulars to be filled by the Candidate)

1. Name (in block letters) Mr./Mrs./Miss.....
2. Father's Name.....
3. Date of Birth (as given in Matriculation Certificate).....
4. Registration No.....(if already registered with Institute)
5. Permanent Address
6. Local Address.....
7. Whether belong to Scheduled Caste /Scheduled Tribe/Physically Handicap Category?
8. Academic Qualification: -

Examination Passed	Name of the University/Institute	Year	Roll No	Max. Marks	Marks/ Grade Obtained	% age of Marks	Discipline/ Specialization
(i) B.Tech./B.E.							
M.A./M.Sc./ M.Com./M.B.A./ M.Tech.							
National Test/ Others							
(ii) Dissertation							

9. Have you ever been disqualified or punished (state Yes/No).....
if so, Class /Examination.....Session/Year..... Name of the
University..... And punishment awarded.....
10. Proposed area of research.....
11. Details of previous research experience, if any.....
12. Details of publications, if any.....
13. Is the candidate employedif employed, the name of the Institution
where employed and the nature of work.....
(also state whether working as teacher or non-teacher)

**CERTIFICATE TO BE SIGNED BY THE HEAD OF THE INSTITUTION / EMPLOYER IN
CASE THE CANDIDATE IS EMPLOYED**

I do hereby certify that the application of the above mentioned candidate, who has been serving in the Institution/ department as (designation)since.....on regular/temporary basis..... is being made with my consent and permission. I further certify that the post on which he is working here is a teaching/Non-teaching post.

Place.....
Dated.....

Signature of the Head of the
Institution/Employer with seal.

Note: - The candidate is required to submit one attested photocopy of each certificate/degree with the application form.

1. Matriculation certificate for verification of the date of birth.
2. B.Tech./B.E. Degree and Marks Sheet.
3. M.A./M.Sc./M.Com./M.Tech./GATE/NET etc. Degree and Marks Sheet.
4. Migration certificate (in the case of a student coming from other University/Institute).
5. No-Objection-cum-Service Certificate from the employer (in case the candidate is employed).
6. Scheduled Caste/Scheduled Tribe/Physically Handicapped.
7. Nature of employment, Research experience, publications and other related details.

Item: 1-6 To consider the fee structure of NIT, Kurukshetra.

As per decision taken by the Government of Haryana and approved by the Board of Governors of our Institute from time to time, the following fee structure is in vogue in our Institute:

Sr. No.	Head of Account	UG Amount Rs.	PG	Remarks
1.	Tuition Fee			
	a) Normal Fee	5000 P.A.	3000 P.A.	Payable in two instalments i.e. at beginning of each semester.
	b) NRI			
	i) For Computer & EC	US\$ 2500 P.A.	-	-do-
	ii) Civil	US\$ 1500 P.A.	-	-do-
	iii) Other-Elect.& Mech.	US\$ 2000 P.A.	-	-do-
	c) Sponsored candidates	-	10000	-do-
2.	Room Rent			
	a) Single seater	3500 P.A.	3500 P.A.	-do-
	b) Double seater	2500 P.A.	2500 P.A.	-do-
	c) Triple seater	1500 P.A.	1500 P.A.	-do-
3.	Caution money (refundable)			
	a) Institution caution money	2000	2000	Payable at the time of admission
	b) Hostel caution money	1500	1500	-do-
	c) Library caution money	-	1000	-do-
	d) Unforeseen expenditure as mtc. of Watch & ward, sweeping and scavenging of hostels etc.	500	500	-do-
4.	a) Institution Development Fund	4000 P.A.	4000 P.A.	Payable in two instalments i.e. at beginning of each semester
	b) NRI	US\$ 500 P.A.	-	-do-
5.	Student Fund	3500 P.A.	3500 P.A.	-do-

The Senate may consider.