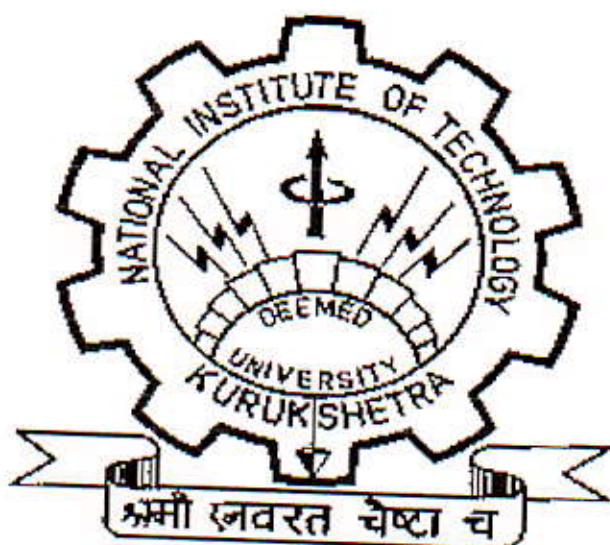


**MINUTES
OF
7TH MEETING
OF
SENATE HELD ON
09.06.2006**



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

NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119

No. R/7th Senate/1600/6972-02

Dated: 30-6-2006

Subject: Minutes of the 7th meeting of the Senate, National Institute of Technology, Kurukshetra held on 9th June 2006

Kindly find enclosed a copy of the Minutes of the 7th meeting of the Senate of this Institute held on 9th June 2006, duly approved by the Hon'ble Chairman of the Senate for favour of your kind perusal and comments, if any. If no comments are received within 15 days, it will be presumed that you have given your kind approval.

Encls: Minutes

RH Lohchab

(RPS Lohchab)

Registrar & Member Secretary,
Senate, NIT, Kurukshetra

To

In Chair

1. Dr. M. N. Bandyopadhyay
Director,
NIT, Kurukshetra.
2. Prof. C.V. Ramakrishnan
Professor,
Department of Applied Mechanics,
Indian Institute of Technology,
New Delhi-110016.
3. Sh. Ravi Jaidka
President,
Indian Sugar & Gen. Engg. Corporation,
Yamuna Nagar, Haryana
4. Shri S.P.Mahi
Chief Engineer-II
Konkan Railway Corp Ltd.,
Jyotipuram Road, Tirantha,
Post Gram More, Riyasi,
Distt. Udampur Pin 182 311
Jammu & Kashmir

5. Dr. Krishna Gopal
Professor, Elect. Engg. Deptt.
and Dean (Planning & Development),
NIT, Kurukshetra.
6. Dr. R.K. Bansal
Professor,
Civil Engineering Department
NIT, Kurukshetra.
7. Dr. T. K. Garg
Professor, Mech. Engg. Deptt.,
and P.T.S.W.,
NIT, Kurukshetra.
8. Dr. M. K. Soni
Professor,
Electrical Engineering Department,
& Dean (Estate, Constn. & Elect. Mtc.)
NIT, Kurukshetra
9. Dr. S. P. Jain
Professor,
Electrical Engineering Department,
NIT, Kurukshetra.
10. Dr. V. K. Arora,
Professor,
Civil Engineering Department,
NIT, Kurukshetra.
11. Dr. V. K. Sehgal
Professor & Chairman,
Civil Engineering Department,
NIT, Kurukshetra.
12. Dr. S. K. Sharma
Professor & Chairman,
Mechanical Engineering Department,
NIT, Kurukshetra.
13. Dr. K. C. Goyal
Professor,
Mechanical Engineering Department,
NIT, Kurukshetra.

- 4
14. Dr. A. K. Gupta
Professor,
Electronics & Comm. Engg. Deptt.,
NIT, Kurukshetra.
 15. Dr. K. S. Kasana
Professor,
Mechanical Engineering Department,
& Dean (Academic),
NIT, Kurukshetra.
 16. Dr. K. B. Singh
Professor,
Department of Humanities & Social Sciences,
NIT, Kurukshetra.
 17. Dr. S. K. Chakarvarti
Professor & Chairman,
Physics Department
NIT, Kurukshetra.
 18. Dr. D. V. Singh
Professor & Chairman,
Mathematics Department,
NIT, Kurukshetra
 19. Dr. D.K .Soni,
Professor,
Civil Engineering Department,
NIT, Kurukshetra.
 20. Dr. R. C. Bhattacharjee,
Professor,
Civil Engineering Department,
NIT, Kurukshetra.
 21. Dr. M. L. Garg
Professor,
Mathematics Department,
NIT, Kurukshetra
 22. Dr. N. K. Gupta
Professor,
Civil Engineering Department,
NIT, Kurukshetra

- 5
23. Dr. S. S. Rattan
Professor & COE,
Mechanical Engineering Department,
NIT, Kurukshetra.
 24. Dr. K. S. Sandhu
Professor,
Electrical Engineering Department,
NIT, Kurukshetra.
 25. Dr. Sudhir Kumar
Professor,
Mechanical Engineering Department,
NIT, Kurukshetra.
 26. Dr. Baldev Setia
Professor,
Civil Engineering Department,
& Professor-in-Charge (Academic Affairs),
NIT, Kurukshetra
 27. Dr. Rajender Kumar
Professor & Chairman,
Department of Humanities and Social Sciences,
NIT, Kurukshetra
 28. Dr. Brahamjit Singh
Professor & Chairman,
Electronics & Comm. Engg. Department,
NIT, Kurukshetra
 29. Dr. Dinesh Kumar
Assistant Professor & Chairman,
Chemistry Department,
NIT, Kurukshetra.
 30. Prof. Mayank Dave
Asstt. Professor & Chairman,
Computer Engineering Department,
NIT, Kurukshetra.
 31. Sh. R. P. S. Lohchab
Registrar & Member Secretary (Senate)
NIT Kurukshetra

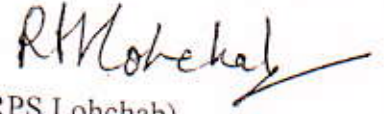
Endst. No. NITK/Senate 7th/ 2003-10

Dated: 30-6-2006 .

Copy for reference and record forwarded to:

1. Dr.(Mrs.) Renu Bhargava
Professor,
Civil Engineering Department
Indian Institute of Technology,
Roorkee (UA).
2. Dr. R. L.Sharma,
Professor,
Civil Engineering Department,
National Institute of Technology,
Hamirpur (HP).
3. Dr. M. L.Kothari,
Professor,
Electrical Engineering Department,
Indian Institute of Technology,
Hauz Khas,
New Delhi-110016
4. Er. Mukesh Gulati
Sr. Cluster Development Adviser,
United Nations Industrial Development Organization,
USO House, USO Road,
6 Special Institutional Area,
New Delhi-110067.
5. Shri Adesh Gupta
Chief Executive Officer,
Liberty Group of Industries,
Karnal
6. Dr. Ranjit Singh
Director,
Netaji Subhash Institute of Technology,
Azad Hind Fauj Marg,
Sector-3, Dwarka,
New Delhi
7. Dr. A. Swarup,
Professor,
Electrical Engineering Department,
NIT, Kurukshetra

8 Dr. Kuldeep Kumar
Professor and Chief Warden
Mathematics department,
NIT, Kurukshetra.



(RPS Lohchab)
Registrar & Member Secretary,
Senate, NIT, Kurukshetra.

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NATIONAL INSTITUTE OF TECHNOLOGY
(DEEMED UNIVERSITY)
KURUKSHETRA-136119

Minutes of the 7th Meeting of Senate, National Institute of Technology, Kurukshetra, held on 9th June, 2006 at 11.00 AM in the Senate Hall of the Institute.

The following were present:

Members present:

1. Dr. M. N. Bandyopadhyay
Director,
NIT, Kurukshetra. In Chair
2. Prof. C.V. Ramakrishnan
Professor,
Department of Applied Mechanics,
Indian Institute of Technology,
New Delhi-110016.
3. Sh. Ravi Jaidka
President,
Indian Sugar & Gen. Engg. Corporation,
Yamuna Nagar, Haryana
4. Shri S.P.Mahi
Chief Engineer-II
Konkan Railway Corp Ltd.,
Jyotipuram Road, Tirantha,
Post Gram More, Riyasi,
Distt. Udhampur Pin 182 311
Jammu & Kashmir
5. Dr. Krishna Gopal
Professor, Elect. Engg. Deptt.
and Dean (Planning & Development),
NIT, Kurukshetra.
6. Dr. R.K. Bansal
Professor,
Civil Engineering Department
NIT, Kurukshetra.



7. Dr. T. K. Garg
Professor, Mech. Engg. Deptt.,
and PTSW,
NIT, Kurukshetra.
8. Dr. M. K. Soni
Professor,
Electrical Engineering Department,
& Dean (Estate, Constn. & Elect. Mtc.)
NIT, Kurukshetra
9. Dr. S. P. Jain
Professor,
Electrical Engineering Department,
NIT, Kurukshetra.
10. Dr. V. K. Arora,
Professor,
Civil Engineering Department,
NIT, Kurukshetra.
11. Dr. V. K. Sehgal
Professor & Chairman,
Civil Engineering Department,
NIT, Kurukshetra.
12. Dr. S. K. Sharma
Professor & Chairman,
Mechanical Engineering Department,
NIT, Kurukshetra.
13. Dr. K. C. Goyal
Professor,
Mechanical Engineering Department,
NIT, Kurukshetra.
14. Dr. A. K. Gupta
Professor,
Electronics & Comm. Engg. Deptt.,
NIT, Kurukshetra.
15. Dr. K. S. Kasana
Professor,
Mechanical Engineering Department,
& Dean (Academic),
NIT, Kurukshetra.



16. Dr. K. B. Singh
Professor,
Department of Humanities & Social Sciences,
NIT, Kurukshetra.
17. Dr. S. K. Chakarvarti
Professor & Chairman,
Physics Department
NIT, Kurukshetra.
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Mathematics Department,
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Mechanical Engineering Department,
NIT, Kurukshetra.
24. Dr. K. S. Sandhu
Professor,
Electrical Engineering Department,
NIT, Kurukshetra.



25. Dr. Sudhir Kumar
Professor,
Mechanical Engineering Department,
NIT, Kurukshetra.
26. Dr. Baldev Setia
Professor,
Civil Engineering Department,
& Professor-in-Charge (Academic Affairs),
NIT, Kurukshetra
27. Dr. Rajender Kumar
Professor & Chairman,
Department of Humanities and Social Sciences,
NIT, Kurukshetra
28. Dr. Brahamjit Singh
Professor & Chairman,
Electronics & Comm. Engg. Department,
NIT, Kurukshetra
29. Dr. Dinesh Kumar
Assistant Professor & Chairman,
Chemistry Department,
NIT, Kurukshetra.
30. Prof. Mayank Dave
Asstt. Professor & Chairman,
Computer Engineering Department,
NIT, Kurukshetra.
31. Sh. R. P. S. Lohchab
Registrar & Member Secretary (Senate)
NIT Kurukshetra

The following members could not attend the meeting:-

1. Dr.(Mrs.) Renu Bhargava
Professor,
Civil Engineering Department
Indian Institute of Technology,
Roorkee (UA).



2. Dr. R. L.Sharma,
Professor,
Civil Engineering Department,
National Institute of Technology,
Hamirpur (HP).
3. Dr. M. L.Kothari,
Professor,
Electrical Engineering Department,
Indian Institute of Technology,
Hauz Khas,
New Delhi-110016
4. Er. Mukesh Gulati
Sr. Cluster Development Adviser,
United Nations Industrial Development Organization,
USO House, USO Road,
6 Special Institutional Area,
New Delhi-110067.
5. Shri Adesh Gupta
Chief Executive Officer,
Liberty Group of Industries,
Karnal
6. Dr. Ranjit Singh
Director,
Netaji Subhash Institute of Technology,
Azad Hind Fauj Marg,
Sector-3, Dwarka,
New Delhi
7. Dr. A. Swarup,
Professor,
Electrical Engineering Department,
NIT, Kurukshetra
8. Dr. Kuldeep Kumar
Professor and Chief Warden
Mathematics department,
NIT, Kurukshetra.

At the onset, before the Agenda items were taken up for discussion, the Registrar and Member-Secretary welcomed the members of the 7th Meeting of the Senate, especially the new members, namely Dr. D. K. Soni, Dr. R. C. Bhattacharjee, Dr. N. K. Gupta, Dr. Baldev Setia, and Sh. S. P.Mahi.



Item No. 7.01 To note the nomination of external members of the Senate.

The Senate noted the nomination of the following external members of the Senate for the period from 18.05.2006 to 31.08.2008.

For the category of 3 Members from amongst educationists:

New nomination for membership of the Senate.	In place of :
Dr. R.L. Sharma, Professor in Civil Engineering National Institute of Technology, Hamirpur (HP)	Dr. M. P. Kapoor Y-8A, 1 st Floor Hauz Khas, New Delhi. 110 016

For the category of 6 members for their special knowledge:

New nomination for membership of the Senate	In place of:
Dr. M.L. Kothari, Professor Electrical Engineering Department Indian Institute of Technology, Hauz Khas New Delhi. 110 016	Prof. Sameresh Kar (Retd. Professor, IIT Kanpur) House No. 501, IIT Campus Kanpur - 208016 (UP)
Shri S.P.Mahi Chief Engineer-II Konkan Railway Corp Ltd., Jyotipuram Road, Tirantha, Post Gram More, Riyasi, Distt. Udhampur (J & K)- Pin 182 311	Shri V.K.Sachdeva, Executive Director, The Saraswati Sugar Mills, Yamuna Nagar-135001 (Haryana)
Er. Mukesh Gulati Sr. Cluster Development Adviser, United Nations Industrial Development Organization, USO House, USO Road, 6 Special Institutional Area, New Delhi-110067.	Shri K.R.Sharma, (Former Professor and Head, Electrical Engg. Department, IIT, Kanpur) Vice-President, Samtel Colour Ltd., Ghaziabad (UP)
Shri Adesh Gupta Chief Executive Officer Liberty Group of Industries KARNAL	Shri V.K. Raizada, Former Member Railway Board Managing Director, IRWO 58, Rail Vihar, Sector 33 NOIDA
Dr. Ranjit Singh Director Netaji Subhash Institute of Technology Azad Hind Fauz Marg, Sector 3, Dwarka New Delhi.	Dr. A.K. Bhatnagar Petrotech Chair Professor Department of Chemical Engg. Indian Institute of Technology Hauz Khas, New Delhi. 110 016

Item No. 7.02 To confirm the minutes of the 5th Meeting of the Senate held on 14.01.2006.

The minutes of the 5th meeting of the Senate had been circulated to all the members. Only one observation in constitution of a committee was received and the same was incorporated.

The minutes were confirmed.

Item No. 7.03 To confirm the minutes of the 6th meeting of the Senate held on 16.03.2006.

The minutes of the 6th meeting of the Senate held on 16.03.2006 had been circulated to all the members. No observations were received from the members.

The minutes were confirmed.

Item No. 7.04 To consider the Action Taken Report on the minutes of the 5th Meeting of the Senate held on 14.01.2006.

The action taken report of 5th meeting was placed before the Senate.

Regarding item No. 5.23 (i) the Chairmen of Electronics and Communication Engineering and Computer Engineering Departments were asked to introduce the course on Information Security Awareness at the B. Tech. and M. Tech. levels. It was reported that the Electrical Engineering Department had already introduced this course at the appropriate levels.

Corresponding to item No. 5.23 (ii), it was decided that since the matter regarding honorarium etc. involves considerable financial implication, it requires consideration at the level of the Director and other higher authorities.

Item No. 7.05 To consider the Action Taken Report on the minutes of the 6th Meeting of the Senate held on 05.02.2006.

The action taken report was placed before the Senate. It was noted by the Senate.

Item No. 7.06 To report the Agenda and Minutes of 2nd and 3rd meetings of SCSA.

The Senate was informed that so far 3 meetings of SCSA had been held respectively on 21.02.2006, 22.03.2006 and 1.05.2006. The minutes of the 1st meeting had been presented before the Senate in its 6th meeting. The minutes of 2nd and 3rd Meetings as detailed in the Agenda were placed before the Senate and approved except the item regarding relaxation of attendance of 7th and 8th



semesters. After deliberations, it was decided to constitute a committee of all Deans and Chairmen of the Departments to look into this item. Dean (Academic) was asked to coordinate this committee and in light of urgent nature of the problem, to submitted an early report.

Item No. 7.07 To consider the eligibility for admission to Ph.D. Programme, Scholarships, changes in the 'Panel of Examiners' for evaluation of Ph.D. thesis and Ordinance of Ph.D. (Ref. Item 5.15, 5.16 & 5.17).

The report submitted by the committee comprising of Dr. S. P. Jain Chairman, Dr. K. S. Kasana Member, Dr. S. K. Chakarvarti Member and Dr. Baldev Setia, Special Invitee was placed before the Senate for its consideration and discussion.

Regarding Item No. 5.15 :

The Senate discussed the report which after minor amendments reads as follows:

Existing	Proposed Amendment
<p>1. R3.1. Educational Qualifications:</p> <p>An applicant possessing the following qualifications in appropriate areas shall be eligible to apply for admission for Ph.D. Programmes of the Institute.</p> <p>Master's degree in an appropriate discipline or equivalent with a minimum Cumulative Grade Point Average (CGPA) of 6.75 on a 10 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.</p>	<p>1. R-3.1 Educational Qualifications:</p> <p>An applicant possessing any of the following qualifications shall be eligible for admission to a Ph.D. Programme of the Institute.</p> <p>i) Engineering Stream:</p> <p>(a) Master's degree (M.Tech/M.E/ M.S.) preceded by a Bachelor Degree in Engg/Tech. in appropriate discipline, or equivalent, with a minimum of 65% marks in aggregate (of all the years/semesters of the course), or equivalent CGPA.</p> <p>(b) Bachelor's degree (B.Tech./B.E.) in appropriate discipline, or equivalent, with a minimum of 90% marks in aggregate (of all the years/semesters of the course), or</p>

AK

	<p>equivalent CGPA. Such a candidate has to compulsorily clear at least four theory courses of M. Tech. in relevant discipline, as decided by the DRC.</p> <p>(c) Bachelor's degree (B.Tech./B.E.) in appropriate discipline, or equivalent, with a minimum of 70% marks in aggregate (of all the years/semesters of the course), or equivalent CGPA, and a minimum of 15 years of regular service in Govt. Organizations or teaching Institutes of degree level.</p> <p>ii) Sciences/Mathematics Stream:</p> <p>(a) Master degree (M.Sc./M.A.) in the appropriate discipline, or equivalent, with a minimum of 65% marks in aggregate (of all the years/semesters of the course), or equivalent CGPA.</p> <p>(b) Humanities & Social Sciences Stream:</p> <p>Master degree (M.A.) in the appropriate discipline, or equivalent, with a minimum of 60% marks in aggregate (of all the years/semesters of the course), or equivalent CGPA.</p>
<p>2. <u>Scholarship:</u></p> <p>Only the candidates passing through Graduate Aptitude Tests in Engineering (GATE) are eligible for Government scholarship.</p> <p>In 2002, the MHRD has raised the scholarship amount to Rs.7,000/- per month for M. Tech. Degree</p>	<p>2. <u>Eligibility for Institute Scholarship:</u></p> <p>Only full-time Ph.D. research scholars are eligible for the award of the Institute scholarship.</p> <p>A candidate/scholar is required to apply for scholarship. In a particular department,</p>

<p>holders and Rs.6,000/- per month for B. Tech./ M. Sc. Degree holders, with increment of Rs.500/- per annum. There shall be a contingency grant of Rs.10,000/- per annum. Ph.D. Scholars should do around 8 to10 hours of teaching per week.</p>	<p>scholarships will be awarded only if these are available in that department.</p> <p>(a) In Engineering Stream, scholarship to those scholars who have a Master's degree will be awarded first to GATE-qualified scholars on the basis of the GATE score merit list, then to the non-GATE scholars on the basis of their Master's degree score merit list.</p> <p>(b) Scholarship to those scholars who are only B.Tech/B.E. or equivalent, will be awarded first to such scholars who have a valid GATE score card.</p> <p>(c) In Sciences/ Mathematics, and Humanities & Social Sciences Streams, only those scholars who are M. Phil., or have cleared relevant national level tests like NET conducted by UGC, CSIR, ICAR and possess a valid score card, are eligible. However, preference will be given first to M.Phil. scholars.</p> <p>(d) In case no eligible candidate as defined above is available for the award of the scholarship, the Director, on the recommendation of the Chairman of the concerned Deptt. and the DAC may award the scholarship to the scholars at his discretion.</p> <p>The scholarship amount* will be as under-</p> <p>M.Tech/M.E/M.S. or equivalent, and M.Phil: Rs 9,500/- p.m.</p> <p>Only B.Tech/B.E, or equivalent,</p>
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	<p>and only M.A./M.Sc., or equivalent : Rs 8,000/- p.m.</p> <p>There shall be an annual increment of Rs 1,000/-.</p> <p>An annual contingency grant of Rs.10,000/-per fulltime scholar, and of Rs.10,000/- per part-time scholar will be allocated to the concerned Department.</p> <p>*Subject to the approval of MHRD.</p> <p>Those who are awarded scholarship from any other source will not be eligible for Institute scholarship.</p> <p>The scholarship can be awarded for at the most three years with a scope for extension for one year with the approval of the Director on recommendation of DRC and BOS of the Department.</p> <p>In case the semester research progress is unsatisfactory, the scholarship/scholarship shall be discontinued.</p> <p>A Ph.D. research scholar receiving scholarship is required to devote at least eight hours per week towards the departmental or Institute work assigned to him/her by the Chairman/Director.</p> <p>The above rules will be implemented w.e.f. 2006-07 admissions.</p>
<p>3. Last date of submission of application is 31st August and 31st January</p>	<p>3. Last date of submission of application is 31st May and 30th November of every calendar year.</p>

R/M

Regarding Item No.5.16:**To consider changes in the 'Panel of Examiners' for evaluation of Ph.D. thesis.**

Existing (Ordinance and Regulations for the Degree of Doctor of Philosophy, NIT, Kurukshetra)	Proposed modification
<p>R. 11.3 Panel of Examiners:</p> <p>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. The recommended panel will be considered and approved by BOS.</p>	<p>R. 11.3 Panel of Examiners:</p> <p>A panel of at least ten external experts, including foreign experts, and the authors of the recent papers in the references cited by the scholar in the area of his Ph. D. work would be suggested to the DRC by the Supervisor(s). The DRC will consider the suggested panel and will finally recommend to the BOS a panel of ten examiners which will include at least three examiners from outside India, from advanced/developed countries and the rest from India from the Institutes of repute. The recommended panel will be considered and approved modified by BOS.</p>
<p>R. 12 Board of Examiners:</p> <p>On receipt of the title and synopsis of the thesis, the Director 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</p>	<p>R. 12 Board of Examiners:</p> <p>On receipt of the title and synopsis of the thesis, the Director will appoint a Board of Examiners for each candidate from the list approved by the BOS. The Board of examiners will consist of one internal examiner, normally the supervisor as recommended by DRC, and two external examiners, out of which one would be from within India, and the other from abroad. These external examiners shall be chosen normally from the panel of examiners recommended by the BOS as aforesaid. A person working in the same Organization(s)/Institute(s) where the research scholar is employed cannot, however, be appointed as External Examiner for that research scholar. Further, no person can be appointed as External Examiner from an</p>



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.	Organization/Institute to which the Co-Supervisor (s) of the research scholar belongs. For evaluating the thesis, the Indian external examiner will be paid at the rate of Rs 2,000/-per thesis; and the foreign external examiner shall be paid at the rate of US\$200. The viva-voce examination of the scholar will be given by the Indian examiner, who will be paid an additional honorarium of Rs 1,000/-. An examiner will be reimbursed TA/DA as per the Institute (NITK) rules. He will also be reimbursed all associated correspondence expenses incurred by him for the purpose of examination.
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Regarding Item No.5.17: Consolidating the information to be enshrined in the Ordinance of Studies for the Degree of Philosophy (Ph. D.) of our Institute.

Item 5.17 has also been considered, deliberated upon and some amendments proposed. However, it being an extensive exercise, some more meetings and deliberations will have to be done before the exercise is complete.

Item No. 7.8 To note the starting of new M. Tech. courses in CAD / CAM, Transportation Engineering and Power Electronics and Drives under TEQIP (Ref. Item No. 5.4).

Principally, the Senate had consented to the commencement of these courses while discussing these items in its 5th Meeting. The course proposals with certain observations and modifications had to be submitted to the Chairman, Senate.

For the present meeting the Senate noted the commencement of these courses with effect from July 2006 in consonance with the existing Ordinances of the Institute and provisions and regulations of the AICTE/MHRD.

In view of the commencement of these courses w.e.f. July 2006, the minutes of this item (Item No. 7.8) were confirmed.



Item No. 7.9 To Consider modifications in scheme and syllabi of M. Tech. (Electrical Engineering) in the specialization of Power Systems and Control.

Certain modifications in the scheme & syllabi of M. Tech. (Power System) and M. Tech (Control System) as proposed by the Board of Studies of Electrical Engineering Department were considered and approved ~~as proposed~~.

Item No. 7.10 To Consider modifications in the syllabi of B. Tech. & M. Tech. Mechanical Engineering.

Certain modifications in the scheme & syllabi of B. Tech. & M. Tech. Mechanical Engineering Department as proposed by the Board of Studies of Mechanical Engineering Department were approved ~~as proposed~~.

Item No. 7.11 To consider modification in the eligibility criteria for M. Tech. (Water Resources Engineering) in the Department of Civil Engineering.

The eligibility criteria for admission to M. Tech. (Water Resources Engineering) in the Department of Civil Engineering was modified to include graduate in Agriculture Engineering. The modified eligibility criteria will now be graduate in Civil Engineering/Agriculture Engineering.

This will be implemented for admissions commencing w.e.f. July 2006.

Programme	Specialization/ Department	Eligibility Criteria	
		Existing	Modified
M. Tech.	Water Resources Engineering/Civil Engg. Dept.	Graduate in Civil Engineering	Graduate in Civil Engg./ Agriculture Engg.

Item No. 7.12 To consider modifications in the Grade Based Examination System (GBES) effective from session July-2006 onward.

Sr. no.	Existing	Proposed Modification
1.	If a student gets "E" Grade in a subject, he/she can improve the grade only by re-appearing in the end-semester examinations. His/her sessional marks will remain the same as was earned	The students having 'E' Grade and less than 40%marks in the sessionals will be allowed to improve their sessional marks to maximum of 40% through regular class test series. Such students will

	<p>in the first attempt. He/she will require a total of 40 marks including sessional & new end semester exam. Marks, to pass.</p>	<p>be allowed to avail of one extra chance to improve the sessional marks. (Thus, a student gets practically two chances; one with his/her regular batch when he/she is attending the classes and subsequently one later, when that semester is in progress i.e. odd with odd and even with even). If such student with Grade 'E' improve their grade either 'D' or 'C' (i.e. sum of new sessional marks and highest marks in the end semester exams. which he/she earned upto the declaration of this result) will not be allowed to appear in the end semester examination for improving the Grade. Despite this extra chance and regular end-semester examination if he/she is unable to clear a particular subject, than he/she has to repeat the subject.</p> <p>This will be applicable <i>only</i> to all old students of GBES, if their sessional marks are less than 40%. <i>(This has been duly passed by SCSA and implemented)</i></p>
2.	<p>If a student gets 40% of the total in sessionals, it is not necessary for him to appear in the end-semester examination and having a minimum CGPA 4.5.</p>	<p>For a student to pass in a subject, a separate minimum of 40% (or D grade) has to be earned separately, both in sessionals and end-semester examination and having a minimum CGPA 4.5.</p>
3.	<p>A 5 point grading system with a 25-marks range (75-100) for the 'A'(Excellent) grade.</p>	<p>The grading system be changed from 5-points to 7-points with 'A'(very good) grade in the range of 75% to 84% and A⁺ (Excellent) in the range of 85% to 100%.</p> <p>If a student passes a subject through GRADE A to D, he/she</p>

		will not be allowed to improve his/her grade. However, in a special case, where the CGPA/SGPA of student is less than 4.5, the Controller of Examinations on the a written request by the student, may allow the student to improve his/her CGPA/SGPA.
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Sr. No	Existing			Proposed Modification		
Table						
	Marks Obtained and Grade	Category	Grade points	Marks obtained and Grade	Category	Grade points
1	$75 \leq A \leq 100$	Excellent	10	$85 \leq A^+ \leq 100$	Excellent	10
2	$65 \leq B < 75$	Good	8	$75 \leq A < 85$	Very Good	9
3	$50 \leq C < 65$	Fair	6	$65 \leq B < 75$	Good	8
4	$40 \leq D < 50$	Poor	4	$50 \leq C < 65$	Average	6
5	$E < 40$	Fail	2	$40 \leq D < 50$	Pass	4
6.				* $\left\{ \begin{array}{l} 20 \leq E < 40 \\ 0 \leq F < 20 \end{array} \right.$	Required to Improve	2
7.					Repeat	0
<p>*The student admitted from July 2006 onwards will be governed by the following regulations:</p> <p>(i) Students with marks more than 20% but less than 40% will have the option to improve their marks and consequently grade. Such students will be allowed to avail of one extra chance to improve the sessional marks. (Thus, a student gets practically two chances; one with his/her regular batch when he/she is attending the classes and subsequently one later, when that semester is in progress i.e. odd with odd and even with even). If such student with Grade 'E' improve their grade either to 'D' or 'C' (i.e. sum of new sessional marks and highest marks in the end semester exams. which he/she earned upto the declaration of this result) will not be allowed to appear in the end semester examination for improving the Grade. Despite this extra chance and regular end-semester examination if he/she is unable to clear a particular subject, than he/she has to repeat the subject.</p> <p>(ii) For students who get less than 20% marks in a subject in total of sessionals and end semester examination will be required to repeat the subject of that semester.</p>						

Allocation of theory & Sessional weightage				
Theory Papers	Sessionals (mid-semester exam. of 20 marks each and 10 marks teacher's assessment)	50	Sessionals (mid semester exam. of 15 marks each and 10 marks teacher's assessment)	40
	End Semester Examination	50	-	60
Practical	Sessionals (mid-semester exam. of 20 marks each and 20 marks teacher's assessment)	60	No change	60
	End Semester Examination	40	-	40

- (i) The above proposal will be implemented for students to be admitted from July 2006 onwards.
- (ii) For students who are detained and are to attend classes with students of lower batch, shall be governed by the academic and examination regulations of that (lower) batch.

Item No. 7.13 To consider and approve a new course in Physical Fitness of UG Students.

In view of the need to improve the physical fitness of engineering students, the office of the President Sports had been asked to initiate a viable proposal for the same.

The office of the President Sports of the Institute made a proposal to include a Course in Physical Fitness for the students of B. Tech. (1st year) commencing w. e. f. July 2006. The item was deliberated upon and some modifications were recommended in the submitted proposal. Only practical/field component of physical fitness programme comprising of the requisite duration was to be included.

In view of these changes it was decided to request the Sports Office to modify the proposal and include games and sports and schedule as expected of Engineering students.



- Item No. 7.14 To consider fixing up a minimum number of classes to be engaged for a course.**

The matter was deliberated upon in details. Since engaging the classes is the ethical responsibility of teachers the consensus was such that it would not be worthwhile to fix a minimum number of classes to be engaged in a semester for a particular course. .

In view of all these consensus was to drop the matter.

- Item No. 7.15 To consider and approve the norms for issuing the Duplicate Degree certificate and semester/overall Grade Report.**

It was agreed upon in principle that the Academic Section should be empowered to issue duplicate degree certificate and grade reports.

The modalities and procedure was left to be advised by the Academic Section.

- Item No. 7.16 To consider and approve the norms for issue of official Transcripts to the students Alumni.**

The matter was agreed upon and the procedure for obtaining official transcripts was accepted as proposed in the agenda item 7.16.

- Item No. 7.17 To consider modifications in the present Examination System (Ref. Item No. 5.13).**

The report submitted by the committee was presented before the Senate and it was decided to reduce the preparatory days from present 9-10 days to 6 days.

- Item No. 7.18 To consider modifications in the practice of filling up of Examination forms and late fee submission of Examination forms for the re-appearing Examinations.**

The Senate felt that the practice of filling up of examination forms for the regular students is practically serving no useful purpose. Therefore, it was proposed that the present practice of submitting application forms by regular students (students studying in a particular semester after due registration at the beginning of the semester) be dispensed with. All students registered for a set of courses in a semester reach the stage of examination unless declared detained or ineligible by the Academic Section.

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However, the students who are required to re-appear will have to fill up the forms as usual. The revised fee structure for filling up the examination forms for re-appearing in the subjects per semester as follows:

Days of filling the Examination forms		Existing (Rs.)	Proposed (Rs.)
(a)	30 days before the starting of the Examination	150	300
(b)	15 days before the starting of the Examination	300	500
(c)	10 days before the starting of the Examination	500	1000
(d)	3 days before the starting of the Examination	-	5000

The Senate approved the proposal with modifications.

Item No. 7.19 To note the starting of the new M. Tech. Courses in the Environmental Engineering (Civil Engineering Department); Master of Business Management (Humanities & Social Sciences); M. Tech. (Robotics & Automation); M. Tech. (Nanotechnology) and UG Courses in Industrial Engineering & Management and Information Technology.

The Chairman, Senate apprised the Senate of the status of the new UG and PG courses; M. Tech. Courses in the Environmental Engineering (Civil Engineering Department); Master of Business Management (Humanities & Social Sciences); M. Tech. (Robotics & Automation); M. Tech. (Nanotechnology) and UG Courses in Industrial Engineering & Management and Information Technology which have proposed to be started from this Session 2006-07.



The Senate was informed that the AICTE had accorded the necessary approval for starting these courses and the cases had been forwarded to the MHRD for further necessary action.

The meeting ended with thanks to the Chair.



(R. P. S. Lohchab)
Registrar & Member Secretary

Approved

Sd/_____
(M. N. Bandyopadhyay)
Director & Chairman, Senate