

MINUTES OF 3RD REGULAR MEETING OF THE SENATE OF NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (HP) HELD ON 30-12-2003 AT 2.30 PM IN THE CONFERENCE HALL OF NIT, HAMIRPUR (HP).

The following were present:-

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| 1. | Prof. Chandra Shakher
Director, NIT, Hamirpur (HP). | Chairman |
| 2. | Dr. R.L.Sharma, Prof.
Civil Engg.Deptt.& Dean(P&D) | Member |
| 3. | Dr. Virender Kumar, Prof.& Head
Civil Engg.Deptt. | Member |
| 4. | Dr. A.S.Singha, Prof.& Head,
Applied Sc.& Hum.Deptt.and Dean(Acad) | Member |
| 5. | Dr. Sushil Chauhan, Head,
Electrical Engg.Deptt.
NIT, Hamirpur (HP). | Member |
| 6. | Dr. Sunand Gupta, Asstt. Prof. & Head,
Mech.Engg.Deptt.
NIT, Hamirpur (HP). | Member |
| 7. | Dr. Lalit Kumar, Asstt.Prof.& Head,
Comp.Sc.& Engg.
NIT, Hamirpur (HP). | Member |
| 8. | Sh. Vinod Kapoor, Asstt.Prof. & Head,
Electronics & Comm.Engg.
NIT, Hamirpur (HP). | Member |
| 9. | Sh. Bhanu Marwaha, Asstt.Prof.& Head,
Architecture Deptt.
NIT, Hamirpur (HP). | Member |
| 10. | Chief Warden (Hostels)
NIT, Hamirpur (HP). | Member |
| 11. | Dr. A.K.Gupta,
Asstt.Prof,Civil Engg.Deptt.&
Controller of Examinations,
NIT, Hamirpur (HP). | Special Invitee |
| 12. | Sh. B.C.Badalia,
Registrar,
NIT, Hamirpur (HP). | Secretary |

At the very outset the Director-cum-Chairman, Senate, National Institute of Technology, Hamirpur welcomed the learned members of the Senate and then the agenda was taken up for discussion.

FIRST PART

Conformation of minutes of 2nd meeting of the Senate held on 28-6-2003 at 11.00 AM.

Since no comments were received, therefore, the minutes of the last meeting held on 28-6-2003 were confirmed.

PART SECOND

All the item were dropped as no further action was needed.

THIRD PART.(NEW ITEMS)

The following decision were taken in the 3rd Senate meeting.

ITEM NO.3.1 SGPI/CGPI REGARDING.

Proposed

It has been pointed out by the students of B.Tech./B.Arch. 2nd year that the qualifying SGPI/CGPI score is quite high. As per record about 30% students are having their SGPI/CGPI less than 5.5 and 6.0 respectively. Due to this reason they have jointly requested that their qualifying SGPI/CGPI score may be lowered. They have requested that SGPI should be near to D grade(Pass grade) and CGPI may be little bit higher. Therefore it is proposed that SGPI equivalent to 4.5 and CGPI equivalent to 5.0 on 10 point scale may be kept for the benefit of the students. The matter is placed before the Senate for consideration and approval please.

Decision

The Senate has approved the proposal and decided that the qualifying SGPI equivalent to 4.5 and CGPI equivalent 5.0 be adopted with effect from the date from which the Grade Scheme has been implemented in this Institution.

It is submitted that on the request of the students a committee was constituted by this Institution vide office order No. Admn. 287/03-4997-5011 dated 09-09-2003 to examine the present system of transparency in examination and evaluation at NIT, Hamirpur and to suggest some measures to bring more transparency in the Examination and Evaluation system. The committee has recommended that various suggestions made by the students and faculty members may be taken into consideration while making the academic rules in future.

The Senate has approved that the following recommendations of the committee may be included in the Academic Regulation of the Institution.

1. Displaying of sessional awards on the notice board before the commencement of the end semester examination. All components of the sessional may be displayed separately.
2. Student may be given chance to see their end semester answer books before declaration of the result. This will apply both to students governed by grading system as well as marks system.
3. Solution to the problems in the examination question papers may be made available to the students.
4. Assessment performance of the students in their practical classes may be conveyed to them periodically.
5. In case a teacher find that any student is not performing well in practical class then he should warn the student(s), If he is not still improving then the same may be brought to the notice of the Head of the Department.
6. Grades may be normally distributed.
7. The faculty members should inform the students periodically about their performance.
8. Moderation of grades/award should be done by the Departmental faculty Board under the Chairmanship of HOD.

It has been informed by the Head Applied Science and Humanities Department that in the 1st regular meeting of Senate NIT, Hamirpur (HP), new Academic scheme was approved and as per new scheme Maths-III (BS-211) course is common to Electrical, Electronics, Comp. Science and Mechanical Engineering in 3rd (odd) semester. In addition to this Numerical Analysis (TA-311) course has also been included in the 5th (odd) semester scheme of Mechanical Engineering, and under the new scheme Numerical Analysis will have to be taught along with Maths-I (BS-111) and Maths-III (BS-211) from next year which will lead to overloading of Mathematics faculty and one more faculty member may be required. Therefore to distribute the workload equally, it is very essential to shift the Numerical Analysis subject from 5th semester to either 4th or 6th semester, hence the comments of Head of Mechanical Engineering were invited. Accordingly, as per the comments received from concerned department it has been proposed that Numerical Analysis TA-311 subject may be shifted from 5th to 4th semester as (TA-221) Numerical Analysis and Heat transfer of steels (ME-223) may be shifted from 4th to 5th semester as (ME-315).

The Senate has approved the proposal to shift Numerical Analysis (TA-311) subject from 5th to 4th semester with subject code TA-221 and Heat Transfer of steels (ME-223) from 4th to 5th Semester with subject code of ME-315.

As per request of the students the matter with regard to appear in more than Three subjects in the supplementary examination was placed before the Standing Committee of the Senate in its meeting held on 11.8.2003. The Stg. Committee of Senate considered the request of the students subject to the approval of the Senate NIT, Hamirpur (HP).

In view of the recommendations of Standing Committee of the Senate, the Director & Chairman, Senate has already accorded permission to appear in more than three subjects in supplementary examination. The recommendations of Standing Committee as well as the action taken by the Institution has been ratified by the Senate.

Item No.3.5 APPROVAL TO TEACH THE 7TH SEMESTER (ELECTIVE) SUBJECTS i.e. (i) AR-707 BUILDING ECONOMICS AND (ii) AR -707 LIGHTING DESIGN.

As per the request made by the Head of Architecture Department NIT, Hamirpur (HP), the proposals as cited in the subject above were placed before the Standing Committee, of the Senate NIT, Hamirpur (HP) in its meeting held on 30-8-2003 at 12.30 PM vide item NO. 2.1. The proposals were approved by the Committee subject to the approval of Senate. It was also resolved by the Committee that Head, Arch. should get the proposal approved by DBOS before it is placed before the Senate.

The Senate approved the proposal to teach the 7th semester (Elective Subject) i.e. (i) AR-707 Building Economics and (ii) AR-707 Lighting Design which has been discussed and approved in the departmental Board of Studies.

Item No.3.6 APPROVAL TO CHANGE ME-840 PRODUCTIVITY MEASUREMENT SUBJECT FROM 8TH SEMESTER TO 7TH SEMESTER AND ME-773 PRODUCTION & OPERATIONS FROM 7TH SEMESTER TO 8TH SEMESTER.

As per the request made by the Head of Mechanical Engineering Department

The Senate has approved the proposal for Change of subject as under.

Subject above were placed before the Standing Committee, of the Senate NIT, Hamirpur (HP) in its meeting held on 30-8-2003 at 12.30 PM vide item NO.2.2. The proposal was approved by the committee subject to the approval of Senate, NIT, Hamirpur (HP).

1. Productivity measurement	8th semester (Sub.code ME-840)	7th semester (Sub.code ME-773)
2. Production & Operations Management.	7th semester (Sub.cpde ME-773)	8th semester (Sub.code ME-840)

ITEM NO. 3.7 AWARD OF DEGREE TO NIT STUDENTS.

It has been informed by the Controller of Examination that the Board of Governors, NIT, Society, Hamirpur (HP) in its Ist meeting held on 13-12-2002 vide item No.2 has decided that degree to the students studying in National Institute of Technology, Hamirpur (HP), will be awarded by the National Institute of Technology itself from the year 2002 supplementary and onwards. Therefore, in view of the decision of Board, the Members of the Senate may authorize the following to sign the Degree.

The Senate decided that Format on the pattern of IIT Delhi may be prepared and adopted for the award of Degree.

Chairman Director Registrar
Board of & Chairman
Senate.

ITEM NO.3.8 NORMS FOR WEEDING OUT/DISPOSAL OF USED/UNUSED EXAMINATION MATERIALS.

Cosequent upon the conversion of Regional Engineering College, Hamirpur into National Institute of Technology, Hamirpur. The Senate in supersession of the existing norms/procedure has approved the modified norms/procedure for weeding out/disposal of Examination material by the Examination Branch of this Institution as under:-

Sr.No.	Nature of Material	Procedure proposed	Procedure approved by the Senate.
1.	<p>Evaluated Answer Books of B.Tech./B.Arch.S semester Examination</p> <p>i) Disposal of Answer Books under old Scheme.</p> <p>(ii) Answer Books of the students admitted during the Academic session 2002-2003 onwards(Grade Scheme)</p>	<p>(i) To be disposed off by the way of open auction through notice to Newspaper Agents and Kawaries from Local Market by Constituting committee from time to time by the Director.</p> <p>(ii) These answer books will be retained by the concerned teachers for six months and then will be disposed off by the concerned HOD's by way of open auction through notice to Newspaper Agents and Kawaries from Local Market by constituting committee by the concerned HOD's with an intimation to the Director. The amount collected from the concerned parties will be deposited in the accounts branch under Head 08 Examination.</p>	<p>(i) To be disposed off after one year by burning under the supervision of the following committee provided there no court case pending. (i) Dean(Acad) Chairman. (ii) Controller of Exmination, Member (iii) One HOD, Member (iv) Registrar, Member.</p> <p>(ii) To be disposed off by burning by the concerned teachers after six months provided no court case is pending.. The answer books should not be sold in any case.</p>
	Used/Unused Question Papers cum Answer Booklets of CPET.	<p>Since, now AIEEE is being conducting by the CBSE from 2002 and not by this Institution, it is therefore, proposed that all the old records pertaining to CPET examination conducted earlier by this Institution upto 2001, may be allowed to be burnt by the following committee as no court case is pending in any court of law against CPET.</p> <p>1. Controller of Examination, Chairman 2. Asstt.Registrar(Admin), Member 3. Supdt(Acad), Member 4. Supdt.Gr-I(Exam) Member Secretary.</p>	<p>To be disposed off by burning under the supervision of following committee:-</p> <p>(i) Dean(Acad) Chairman. (ii) Controller of Exmination, Member (iii) One HOD, Member (iv) Registrar, Member.</p>

SEMESTER AND REVISION OF TEACHING SCHEDULE AND
EXAMINATION SCHEME FOR 6TH AND 7TH SEMESTER IN RESPECT
OF ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT.

At present the slot for Major Project has been in 8th semester for all the discipline. A request has been made by Head Electronics & Communication Engineering Department NIT, Hamirpur that the slot for Major project which is in 8th semester teaching scheme is required to be spread over both in 7th and 8th semester as one semester is not sufficient for completion of major project. It has further been proposed by the Head of Electronics & Communication Engineering Department that Minor Project presently in 7th semester may be kept in 6th semester in place of ECE-325 PCB and lab in 7th semester Major project may be kept in place of ECE-416 Minor Project. Accordingly the revised teaching schemes of 6th semester and 7th semester have been submitted by HOD, E&CED for consideration and approval.

The Senate decided that the matter may be discussed in the departmental Board of Studies and thereafter the proposal in uniformity with other departments be placed before the Senate for approval.

ITEM NO.3.10 RETIFICATION OF SUBJECT CODES FROM 4th TO 8th SEMESTERS
IN RESPECT OF ELECTRONICS & COMMUNICATION ENGINEERING
DEPTT.

The Senate has approved the subject codes of teaching schemes from 4th semester to

8th semester of Electronics and Communication Engineering Department as under:-

4th Semester

Existing Codes

Changed Codes (Now approved by Senate)

ECE-221 Reliability Engineering	ECE-221 (a) Reliability Engineering
ECE-222 Audio and Video Engineering	ECE-221 (b) Audio & Video Engineering.
ECE-223 Electronics Switching Circuits	ECE-222 Electronics Switching Circuits
ECE-224 Communication Theory	ECE-223 Communication Theory
ECE-225 Analog electronics circuits	ECE-224 Analog electronics circuits

5th Semester

ECE-311 Electronic Engineering Materials	ECE-311 (a) Electronic Engineering Materials.
ECE-312 Object Oriented Programming in C++	ECE-311 (b) Object Oriented Programming in C++
ECE-313 Linear Integrated Circuit	ECE-312 Linear Integrated Circuit
ECE-314 Network Analog and Synthesis	ECE-313 Network Analog & Synthesis

6th Semester

ECE-322 Satellite Communication	ECE-322(a) Satellite Communication
ECE-323 Bio-Medical Instrumentation	ECE-322 (b) Bio-Medical Instrumentation.
ECE-324 Microelectronics & Integrated Circuits	ECE-323 Microelectronics & Integrated Circuits.
ECE-325 Electronics Measurement And Instrumentation.	ECE-324 Electronics Measurement and Instrumentation.

7th Semester

ECE-411 Optical Fiber Communication	ECE-411 (a) Optical Fiber Communication
ECE-412 Electronics circuit & Product Design	ECE -411 (b) Electronics circuit & Product
ECE-413 Digital Communication	ECE-412 Digital Communication

ECE-414 Computer Architecture

ECE-415 Antenna and Wave Propagation

ECE-416 Industrial Electronics

ECE-413 Computer Architecture

ECE-414 Antenna and Wave Propagation

ECE-415 Industrial Electronics

8th Semester

ECE-421 Data Communication
and Network

ECE-422 Advanced Microprocessor
System

ECE-423 Microwave Devices and
Systems

ECE-424 Digital Signal Processing

ECE-425 T.V and Radar Engineering

ECE-421 (a) Data Communication
and Network

ECE-421 (b) Advanced Microprocessor
System

ECE-422 Microwave Devices and
Systems

ECE-423 Digital Signal Processing

ECE-424 T.V and Radar Engineering

ITEM NO. 3.11 PROVISION OF PH.D REGISTRATION AT NIT, HAMIRPUR (HP).

The Senate has approved the proposal to start Ph.D programme/ registration in the following disciplines as given below. The Board has already given its consent to the same referred vide item No. A-3 of its 2nd meeting held on 22-10-2003.

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| 1. Civil Engineering | 1. Water Resource & Environmental Engg.
2. Geotechnical Engineering.
3. Transportation Engineering.
4. Structural Engineering. |
| 2. Electrical Engineering | 1. Electrical Power and Energy System
2. Power Electronics & Electric Drives.
3. Control System and Instrumentation. |
| 3. Comp.Sc.& Engineering | 1. Distributed Computing
2. Data Base Management.
3. AI and Expert System |
| 4. Mech.Engg. Deptt. | 1. Design Engineering.
2. Production/Industrial Engineering |
| 5. Applied Sc.& Hum.Deptt. | 1. MATHEMATICS
i) Applied & Computational Mathematics
ii) Mechanics of Solids/Fluids.

2. PHYSICS
i) Condensed Matter Physics

3. CHEMISTRY
i) Organic Chemistry
ii) Polymer and Composites

4. HUMANITIES
i) Industrial Sociology/Psychology |

TERMS AND CONDITIONS AS APPROVED BY THE SENATE:-

- i) One Supervisor will be from outside the Institute Viz; from IIT or other National Institutions.
- ii) Research students should be allowed to visit other Institutes for Library works atleast for one month. The HOD of concerned department will ensure that such Research Students are allowed as and when they intend to go for Library work.
- iii) Initially the number of Ph.D students per department should not be more than 05 five). If there is only one qualified faculty member than he may take maximum two students for guidance.

Scholarships from CSIR, UGC or any other funding agency are available than one more scholarship will be given to qualified faculty member.

- v) Initially NIT, Hamirpur will request IIT Delhi and IIT Roorkee to allow NIT Hamirpur students to undergo course work for a period of two years.

A committee consisting of following will look into the matter and propose the volume of course work to be done by NIT, Hamirpur Ph.D students.

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| i) | Dean(Academic) | Chairman |
| ii) | Head, Civil Engg. | Member |
| iii) | Head, Electrical Engg. | Member |
| iv) | Head, Comp.Sc.& Engg. | Member |

- vi As soon as qualified faculty will be available in other departments Viz; Electronics & Comm.Engg. Deptt. and Architecture, Ph.D programme will be started after getting approval from the Senate.

ITEM NO.3.12 ACADEMIC RULES AND REGULATIONS FOR B.TECH./B.ARCH./M.TECH. AND PH.D. AT PAR WITH IIT, DELHI.

As per the directions of NIT Council the Academic Rules and Regulations of IIT Delhi should be followed in the NIT, Hamirpur. The Academic Rules and Regulation for B.Tech./B.Arch. & Ph.D have been prepared on the pattern of IIT Delhi (Annexures-3-A, (B.Tech./B.Arch.),Annexure 3-B, M.Tech.and 3-C(Ph.D) are placed before the Senate for consideration and approval.

The Senate approved the Academic Rules and Regulations for B.Tech./ B.Arch.M.Tech.and Ph.D which have / been prepared on the pattern of IIT Delhi and incorporated in the agenda Annexure-3-A (for B. Tech/ B.Arch.Annexure-3-B(for M.Tech) and, Annexure-3-C (for Ph.D). It was, also resolved that wherever the provision contained in the above Rules and Regulations are silent, or not clear, the existing Rules and Regulations approved by the Senate in 2nd meeting held on 28-6-2003 shall be followed. The decision of Director in respect of interpretations of Academic Rules and Regulations shall be final.

The HOD, Architecture Deptt. placed before the Senate the recommendations of Departmental Board of Studies regarding introductions of following Elective Courses to be taught as Elective Subject in the coming semester of B.Arch. 4th year.

- i) AR-807(vi) Low Cost Buidling
- ii) AR-807(ii) Service Control System in Buildings.

The Chairman Senate has constituted a Sub.Committee to go into the details of marks distribution as a result of introduction of above Elective Subjects before the proposal is approved.

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| 1. | Dr.Virender Kumar
Head, Civil Engg.Deptt. | Chairman |
| 2. | Dr.Sushil Chauhan
Head, Electrical Engg.Deptt. | Member |
| 3. | Sh. Yogesh Gupta,
Lecturer, Selection.Grade
(Economics) | Member |
| 4. | Sh. Bhanu Marwaha,
Head, Architecture Deptt. | Member |

The committee has been asked to give its recommendations within 15 days so that final decision could be given by the Chairman, Senate for introduction of above said Elective Courses.

The Chairman also pointed out that in future;

- i) Any Syllabus to be introduced/changed by any department should go to other departments for their comments then such syllabus should be routed through DBOS to the Senate.
- ii) The curricula Scheme should not be changed atleast before two years of its implementation.

ITEM NO.3.14

HOSTEL RULES.

The Chief Warden(Hostels) placed before the Senate the draft Rules for Boys and Girls Hostel separately prepared on the pattern of Hostel Rules of IIT Delhi for consideration and approval. The Senate approved the aforesaid Rules with certain modification(as per annexure-1).

The Senate has approved the addition in Rule 5.1, amendment in Rule 5.2 and deletion of the provision below Rule 5.5 (d) of the Academic Regulation earlier approved by the Senate in its 2nd meeting held on 28-6-2003, as under.

RULE 5.1 This Rule will now read as under:-

The minimum attendance in each course, practical, workshop, etc. shall be 75%. Any student not fulfilling the minimum requirement shall be awarded Z grade equivalent to Zero.(0).

However, the candidate having deficient attendance on account of following reason can be given attendance credit to the maximum extent of 10% of the total classes held in each course during the Semester for the period of his/her absence by the Director on the recommendations of the HOD and Dean(Academic).

- i) Participation in Inter University or University Tournaments.
- ii) Participation in NCC/NSS camps or Institute/University Educational Exhibition or other curriculum activities.
- iii) Participation in Mountaineering skeing course.
- iv) Due to appearance in Competetive Examinations, Interviews held by Govt.Organisation.Public Ltd., Companies etc.
- v) On other genuine grounds.

(Note:- In case of illness the Medical Certificate should have been issued by the Medical Officer of the Institution or by Govt. Hospital.)

Rule-5.2

EXISTING PROVISION

The students can normally avail the vacations as provided in the Academic Calandar. In addition, the students may be allowed Medical Leave of eight days per semester subject to a maximum of fifteen days at a stretch by the Dean(Academic).

MODIFIED PROVISION.

The students can normally avail the vacations as provided in the Academic Calandar. In addition, the students may be allowed Medical Leave of eight days per semester subject to a maximum of fifteen days at a stretch by the Dean(Academic).

as per conditions and
proceedures laid down by the
Senate. However, the student
will not get any attendance
benefit on account of any kind
of leave granted by the
respective Head or
Dean(Academic).

as per conditions and
proceedures laid down by the
Senate.

5.5(d) The following provision incorporated below rule 5.5(d) of
the Academic Rules approved by the Senate in its 2nd meeting held on
28-6-2003 will stand deleted.

The candidate having deficient attendance on account of
participation in:

- i) Inter University or University Tournaments.
- ii) NCC/NSS Camps or Institute/University educational excursions
or other curricula activities.
- iii) Mountaineering skeing course.
- iv) Competitive examination, interviews held by Govt..
orgainsations/Public Ltd. companies.
- v) On other genuine grounds.

Attendance credit can be given to the maximum extent of 10%
of the total calsses held in each course during the semester for the
period of his/her participation in the above said
programmes/competitions by the concerned Head of Department keeping in
view the genuineness of the case.

THE MEETING ENDED WITH A VOTE OF THANKS TO THE CHAIR.

9/1/04
SECRETARY SENATE,
REGISTRAR,
NIT, HAMIRPUR (HP)