

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

MINUTES OF THE 6th MEETING OF THE SENATE HELD ON 21st February, 2016.

Sixth Meeting of the Senate was held at the Committee Room of the Institute at 09:00 AM on 21st February 2016, the following members were present in the meeting:

1. Prof. H. T. Thorat, Director	-	Chairman
2. Prof. T. C. Kandpal	-	Member
3. Prof. R. B. Deshmukh	-	Member
4. Col. Sukhpal Singh, Registrar	-	Secretary
5. Prof. P. V. Madhusudhan Rao, Prof., IIT Delhi	-	Special Invitee
6. Prof. Ravi Krishnan E., Prof., IIT Delhi	-	Special Invitee
7. Prof. Deepti Gupta, Prof., IIT Delhi	-	Special Invitee
8. Dr. A. K. Anupam, Asso. Dean (Academic)	-	Special Invitee
9. Dr. I. M. Nagpure, Asso. Dean (P & D)	-	Special Invitee
10. Dr. M. S. Khatri, Asso. Dean (Examination)	-	Special Invitee
11. Dr. Anirban Mukherjee, Asso. Dean (SW)	-	Special Invitee
12. Mr. Navjot Singh, Asso. Dean (R & C)	-	Special Invitee
13. Dr. Nitin Kumar, HoD (CS)	-	Special Invitee
14. Dr. Pawan Kumar Rakesh, HoD (ME)	-	Special Invitee
15. Mr. Prakash Dwivedi, HoD (EE)	-	Special Invitee
16. Mr. Santosh Kumar Bhagat, HoD (EC)	-	Special Invitee
17. Ms. Smita Kaloni, HoD (CE)	-	Special Invitee
18. Mr. Jagdeep Singh, Asstt. Registrar (Academic)	-	Special Invitee
19. Dr. Rajesh Bhatt, Counselor	-	Special Invitee
20. Ms. Priyadarshini Pant, Counselor	-	Special Invitee

Prof. Rashmi Gaur could not attend the meeting due to prior commitments.

At the outset, the Chairman, Senate welcomed all the members and special invitees.

The Senate discussed and resolved on agenda items as follows:

S. 06.01 Confirmation of the Minutes of the Fifth meeting of the Senate.

Resolution: Minutes of the Fifth Meeting of the Senate are confirmed.

S. 06.02 Actions Taken Report.

Resolution: The Action taken report on the minutes of the Fifth Meeting of the Senate is noted. However the Senate resolved that List of Degree Holders shall be uploaded on the Institute Website for the benefit of students as well as for verification by the employers.

S. 06.03

Agenda:

To approve the proposal for adoption of Degree Grade Point Average (DGPA).

While discussing agenda no. S, 05.07 of Fifth Senate Meeting, it was resolved to explore the possibility of implementation of DGPA consequent to approval of permitting the student to go beyond the minimum credit requirement. It is felt that implementation of DGPA can give opportunity of improving GPA for award of Degree and hence encourage additional learnings.

It is proposed to introduce Degree Grade Point Average with following rules for calculation of DGPA:

- a. DGPA should be calculated for 160 to 162 credits.
- b. Grades of the following subjects shall be considered for calculation of DGPA
 - i. First year courses.
 - ii. Core courses.
 - iii. Best (higher grades) departmental electives, totaling to 25 to 27 credits.
 - iv. Best (higher grades) HM category courses totaling to 6 to 8 credits.
 - v. Best (higher grades) balance courses from amongst remaining courses, such that the total credits are 160 to 162.
- c. Grade Card will indicate CGPA as well as DGPA; however, Degree Certificate will indicate only DGPA.
- d. Class calculation if required will be based on DGPA.
- e. If any academic award is to be given or academic performance is to be taken into account for any award then that shall be based on CGPA.

The Senate is requested to approve the proposal with effect from Academic Year 2016-17. If approved these rules shall be included appropriately in the Institute Ordinances, Rules and Regulations (UG and PG Programme).

Resolution: Senate discussed the proposal and unanimously approved the same.

S. 06.04

Constitution of Academic Performance Monitoring and Advisory Committee (APMAC).

Agenda:

Ordinances, Rules and Regulations (UG and PG Programme) vide clause 4.5 provides to identify students for Performance Monitoring and Load Restriction. The load restriction is regularly implemented, however, no monitoring/advisory committee has been formulated.

It has been observed that the student with SGPA 4.00 or below and CGPA below 6.00 need proper guidance for further improvement in their performance. It is proposed that Academic Performance Monitoring and Advisory Committee be constituted, which shall include Institute Counselor, as a member to help such students overcome their deficiencies.

It is proposed to include additional clause 4.5.3 as under:

"4.5.3 Academic Performance Monitoring Advisory Committee (APMAC).


All the students identified for Load Restriction / Monitoring and those who have CGPA below 6.00 shall be monitored by APMAC. There shall be at least three APMAC meetings per student and each student shall under go at least three counseling sessions with the Institute Counselor in a semester.

APMAC shall consist of:

- a. Head of the Department (Chairman)
- b. Faculty Advisor
- c. Counselor(s)

The minutes of the APMAC meetings shall be submitted to the Associate Dean (Academic)."

The Senate is requested to approve the same with immediate effect. If approved it shall be included appropriately in the Institute Ordinances, Rules and Regulations (UG and PG Programme).



Resolution: Senate appreciated the initiative to constitute APMAC for monitoring the performance of the student under Load Restriction. To further widen the scope of APMAC, Senate resolved to include some more provisions for proactively and timely identifying such weaker students.

The word "Institute Counselor" be replaced by "Counseling Cell".
Senate resolved the inclusion of clause 4.5.3. as follows:

*"4.5.3 Academic Performance Monitoring Advisory Committee (APMAC),
All the students;*

- a. Identified for Load Restriction/Monitoring as per clause 4.5.2,
- b. Having CGPA below 6.00,
- c. Having attendance less than 65% at the end of Sessional I,
- d. Scoring mark less than 50% of class average in a Course at the end of Sessional I,
shall be monitored by the APMAC. There shall be at least three APMAC meetings per student and each student shall under go at least three counseling sessions with the Counseling Cell in a Semester.

APMAC shall consist of:

- a. Head of the Department (Chairman).
- b. Faculty Advisor.
- c. Counselor(s).

APMAC, during the meeting, may call the Course Coordinator/Co-Teacher for their opinion if required.

S. 06.05

Student-to-Student Tutoring Initiative.

Agenda:

It is observed that many good students lack in academic performance because of shyness and for the want of communication skills. In case they are tutored by other students, in a friendly and congenial environment, it is quite likely that they will grasp better and such tutorials will act as good supplementary learning for such weaker students. To encourage students to come forward for getting tutored by fellow students and to motivate students to take up tutor's roll, following incentives and tutoring methodology are proposed:

- a. Student tutor and students willing to take the tutorials shall be identified and approval shall be taken by the Course Coordinator from the Chairman Senate for conduct of such tutorial.
- b. A Course Coordinator of a course shall frame the assignments for such Student-to-Student Tutored Classes.
- c. The Student Tutor shall help the students enrolled for tuitions in solving the given assignments.
- d. The assignments shall be of minimum duration of 20 hours for a course.
- e. Teacher shall evaluate the assignment and if found upto the expectations, shall award 8% (based on total marks for the course) bonus marks over and above their scores in the course in which they have undertaken this additional tutorial.
- f. The students who conducted tutorials, shall be give certificate mentioning the tutorials they have conducted and should be paid Rs. 1000/- as an honorarium (subject to approval of the Finance Committee).
- g. This facility of award of bonus marks shall be available to the students who are under Load Restriction or for students whose CGPA is less than 6.00.
- h. Schedule of these tutorials shall be approved by the Course Coordinator and he / she shall monitor the conduct of these tutorials.

The Senate is requested to approve the proposal with immediate effect. If approved it shall be included appropriately in the Institute Ordinances, Rules and Regulations (UG and PG Programme).

Resolution: Senate discussed the proposal in details and considering the ill-effects of award of the bonus marks, Senate declined to introduce any type of such provision of bonus marks. However, the importance of "Hand Holding" measures for the weaker students are understood and welcomed. These measures shall address the issue of

Communication/Soft Skills and help to achieve Midway Course Correction. This needs to be implemented on immediate bases and shall be included in the Institute Ordinances accordingly.

Senate approved the proposal with amended methodology as under:

- a. Student-Tutor and students willing to take the tutorials shall be identified and approval shall be taken by the Course Coordinator from the Chairman Senate for enrollment to the Student-to-Student Tutorial Program, its conduct along with list of the Student-Tutors conducting the tutorial and the syllabus of the tutorial any time during the semester but within one week before the 1st Sessional examination.
- b. A Course Coordinator of a course shall frame the assignments and identify a Student-Tutor.
- c. Those students who have at least 75% attendance will be eligible to avail the benefits of the Student-to-Student Tutorial Scheme.
- d. The Student-Tutor shall help the enrolled students in understanding the content of course and solving the given assignments.
- e. The assignments shall be of minimum duration of 20 hours for a course.
- f. Schedule of these tutorials shall be approved by the Course Coordinator and he/she shall monitor the conduct of these tutorials.
- g. Enrolled students who have score less than 50% of the Class Average in a course, in two Sessionals taken together, or who are likely to be Not Eligible for the EE Grade, shall be eligible for Student-to-Student Tutor Program benefits. Such eligible students shall be permitted the benefit of an extra sessional examination (as Sessional III) subsequently.
- h. Benefit of the Sessional III shall be given to the students, who are not eligible for EE grade on the basis of the internal marks scored by them. For such students, best two sessional shall be taken in to account and internal marks obtained, in a course, shall be recalculated. However, if the total internal marks obtained thus exceeds the threshold of EE grade, total marks awarded should be trunked at the point of EE grade for that course.
- i. The Sessional III shall be conducted within three weeks of Sessional II examination. Schedule of Sessional III examination shall be declared by the Course Coordinator and conducted by the Course Coordinator with the information to HoD. Attendance record and the assessment of Sessional III examination shall be submitted by the Course Coordinator to the HoD and Examination Coordinator within one week of the Sessional III examination.
- j. "Certificate of Merit" shall be given to Student-Tutor on successful completion of Student-Tutor Program. This certificate shall be issued by Dean (Academic).
- k. A student, who is absent for I/II Sessional Examination of the course, shall not be eligible for Sessional III for that course under any circumstances.

S. 06.06

Agenda:

Special English Communications Program.

It has been observed that many students belonging to Hindi medium find it difficult to cope up with English medium in the Institute. Such students are identified and are required to undergo a "Preparatory English" course in the beginning of the 1st Semester. However, for many students this initiative is not enough and they need additional support in understanding English and expressing in English, to improve their academic performance.

It is proposed to run a special "English Communications Program" with the help of English teachers to improve communication capabilities of such students.

The course expectations for this course shall be higher than "Preparatory English" course and any student who successfully completes this course shall be awarded 5% bonus marks in a course of his/her choice.

Students who were asked to undergo "Preparatory English" shall only be eligible for award of such bonus marks, for only one Course and once only.

The Senate is requested to approve the proposal with immediate effect. If approved it shall be included appropriately in the Institute Ordinances, Rules and Regulations (UG and PG Programme).

Resolution: Senate discussed and appreciated the need of developing the Communication/Soft Skills of the weaker students; however Senate declined to introduce any type of provision of bonus marks. The course on Communication/Soft Skills shall be floated by the Teacher(s)/Counselor(s) with the objective of improving the ability of such students for their betterment in various fields. These courses shall not be included in the Grade Card. A student enrolled and successfully completing this Communication/Soft Skills course shall be eligible for extra Sessional examination (as Sessional III), in a course of his choice, for once only during the B. Tech. Program, for one individual course. Senate resolved to apply the similar methodology as given in **item no. S. 06.05** for giving the benefit of extra Sessional Examination (as Sessional III) including the modalities of enrollment.

S. 06.07 Revision of punishments.

Agenda:

The Institute Ordinances, Rules and Regulations (UG and PG Programme) provide for rules and regulation for indiscipline and process for dealing with it alongwith various punishments to be imposed. It is equally important for the Institute, while dealing with indisciplined students, to find out the reasons of their indiscipline and to counsel them as well. Hence, it is desirable that such students should undergo Counseling sessions. Therefore, it is proposed to make it mandatory for such students to attend at least three Counseling Sessions with the Institute Counselor within 3 months of pronouncement of punishment for Level I and Level II. A provision to this effect needs to be include in the Ordinances, Rules and Regulations (UG and PG Programme) at Para 8 in clause 8.3 as under:

"8.3 In addition to furnishing of the undertaking, a student will have to undergo at least three counseling sessions within 03 months of pronouncement of punishment."

The Senate is requested to approve the proposal with immediate effect. If approved it shall be included appropriately in the Institute Ordinances, Rules and Regulations (UG and PG Programme).

Resolution: Senate discussed the need of counseling of students and approved the proposal. However it has been decided to replace the word "Punishment" by "Disciplinary Actions".

S. 06.08 Introduction of Course on Innovation & Design.

Agenda:

Looking in to the present day importance of the Innovation and to inculcate habit of independent thinking to implement the conceived ideas, it is proposed to introduce a course at 1st Year level in the area of "Innovation and Design".

The senate is requested to deliberate upon this issue and provide guidelines for introduction of the same.

Resolution: Senate welcomed the introduction of course on Innovation & Design and deliberated upon the issue. Three Special Invitees from IIT Delhi, who are experts and pioneers in the field of "Innovation and Product Realization", made a presentation to the Senate. Based on the inputs from the experts from IIT Delhi, Senate resolved as follows:



- a. In view of lack of experience of exposure of the faculty of NIT Uttarakhand it was resolved to obtain Hand Holding support, for first few years from IIT Delhi and/or other Institutes.
- b. The Course on Innovation & Design shall be split in to two courses and shall be initiated from Autumn Semester 2016 as follows:
 - i. Introduction to Engineering: Compulsory Zero Credit Course in 1st Semester.
 - ii. Product Realization: Two Credit Course in 2nd Semester.
- c. Syllabus and Structure for the courses shall be prepared and placed before the Senate for approval.

To accommodate the same, the Course Requirements of B. Tech. Programmes shall be suitably modified and placed before the Senate for approval.

S. 06.09

Ratification of notes approved by the Chairman.

Agenda:

Some urgent issues were discussed with the Chairman, Senate and his approvals were taken in related matters:

Approvals are enclosed as Annexure S06.02.

The Senate is requested to ratify the same.

Resolution: All the notes approved by the Chairman, Senate are ratified by the Senate. However Senate opined that syllabus for all the new Courses floated in Spring Semester 2016 should be reconstituted and placed before the Senate for approval.

S. 06.10

Any other item with the permission of Chairman, Senate.

Senate resolved to conduct the next Senate Meeting on 13th March 2016, a day before the First Convocation of the Institute.

The meeting ended with vote of thanks to the Chair.

Colonel Sukhpal Singh
Secretary, Senate

Submitted for approval
to the Chairman, Senate

Approved/Not Approved

Prof. H. T. Thorat
Chairman, Senate NIT, Uttarakhand