

**राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड**  
**NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND**

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**MINUTES OF THE 12<sup>TH</sup> MEETING OF THE SENATE HELD ON 21<sup>ST</sup> JULY, 2018**

The Twelfth meeting of the Senate was held at Ganga Resort, GMVN, Rishikesh, Uttarakhand at 03:00 PM on 21<sup>st</sup> July, 2018. Following members were present:

1. Prof. Shyam Lal Soni, Director	-	Chairman
2. Prof. Ravindra Nagar, MNIT, Jaipur	-	Member
3. Prof. Mannar Ram Maurya, IIT, Roorkee	-	Member
4. Prof. Rashmi Gaur, IIT Roorkee	-	Member
5. Prof. R.B. Patel, Dean (P&D)	-	Member
6. Dr. Gurinder Singh Brar, Dean Academics	-	Member
7. Dr. Hariharan Muthusamy, Dean (R&C)	-	Member
8. Dr. Sanat Agarwal, Dean (FW)	-	Member
9. Dr. Dharmendra Tripathi, Dean (SW & AA)	-	Member
10. Col. Sukhpal Singh, Registrar	-	Secretary
11. Dr. Saroj Ranjan De, AD Academic (PG)	-	Special Invitee
12. Dr. Anupam Yadav, AD Academic (UG)	-	Special Invitee
13. Dr. Vikas Pratap Singh, HoD (CIV)	-	Special Invitee
14. Dr. Prakash Dwivedi, HoD (EEE)	-	Special Invitee
15. Dr. Renu B. Dangwal, HoD (S&H)	-	Special Invitee

At the outset, Secretary, Senate welcomed the Chairman Senate and requested him to chair the 12<sup>th</sup> meeting of the Senate. The Chairman extended a warm welcome to the Senate members and the Special Invitees.

The Senate discussed the agenda and resolved as under:

**S.12.01. Confirmation of the Minutes of the Eleventh meeting of the Senate.**

**Resolution.** Confirmed.

**S.12.02. Actions Taken Report.**

**Resolution.** Noted.

**S.12.03. Ratification of notes approved by the Chairman Senate.**

Some urgent issues as listed below were discussed with the Chairman, Senate and his approvals were taken in related matters. The brief of approvals taken are as under and details are enclosed as **Annexure S12.02.**



Sr. No.	Name of the Noting
1.	Regarding recommendation of award of B.Tech Degree in Civil Engineering for 2014 Batch Students.
2.	Regarding recommendation of award of B.Tech Degree in (Computer Science & Engineering) 2014 Batch Students.
3.	Regarding the Recommendation for the Award of B. Tech Degree (ECE 2014 Batch) in Electronics Engineering.
4.	Regarding list of students eligible for the Award of Degree in Electrical and Electronics Engineering.
5.	Regarding recommendation of award of B. Tech Degree in Mechanical Engineering for 2014 Batch Students.
6.	Regarding recommendation of award of B. Tech Degree in Civil Engineering for 2013 Batch Students.
7.	Constitution of DUGC and DPGC.
8.	Nomination of External members of DPGC.

The Senate is requested to ratify the same.

**Resolution.** Ratified.

**S.12.04. Award of Minor Degree to the students.**

The following students of B.Tech (Mechanical Engineering) have obtained the minimum credits from other departments to be eligible for award of minor degree as per the Clause No 4.10 of the Course Book 2016. The Grade Cards and Tabulation Reports of the concerned students have been duly verified by the Department of Computer Science and Engineering, to ascertain the eligibility. The recommendations for award of Minor Degree are attached in Annexure S12.03.

Sl. No.	Roll No.	Name of the students	Minor degree in
1	BT14MEC041	Mr. Shivam Sharma	Computer Science and Engineering
2	BT14MEC062	Mr. Mohammad Ashu	

The Senate is requested to approve the award of Minor Degree to the above listed students.

**Resolution.** Approved.

**S.12.05. Revision of Clause No. 7.3 of the Course Book 2016: Rules for punishment in the cases of use of unfair means by the students.**

It is observed that the Institute is receiving many cases of use of unfair means by the students during the mid-term and end term examinations. Currently following punishment rules (Clause No 7.3.) are in force to deal with such cases:



### **Clause No 7.3.**

- a. If it is the first incidence for the student in the Institute, then he/she is awarded zero marks in the concerned Examination.
- b. If it is the second incidence then the student is awarded zero marks in all examinations (past only) of the same course in that semester.
- c. If it is the third incidence then the student is de-enrolled from the semester.
- d. If it is the fourth incidence then the student is removed from the Institute.

In order to arrest this trend of use of unfair means, following revised punishment rules are proposed (Clause no 7.3):

### **Clause No 7.3.**

- a. If it is a first incidence of the student in the Institute he/she shall be de-enrolled from semester.
- b. It is the second incidence of the student in the Institute he/she shall be removed from the program and the Institute.

The Senate is requested to approve revision of Clause No. 7.3.

**Resolution.** Senate resolved that the clause no. 7.3 shall be replaced by the following:

### **“ Clause No 7.3.**

- a. If it is the first incidence of the student in the Institute he/she shall be de-enrolled from the Institute for one Semester.
- b. If it is the second incidence of the student in the Institute he/she shall be de-enrolled from the Institute for two semesters.
- c. If it is the third incidence of the student in the Institute he/she shall be removed from the program and the Institute.”

Further, senate resolved that the students be asked to submit an Affidavit in this regard on a non-judicial stamp paper during admission itself to not to get indulged in such activities.

### **S.12.06. Revised composition of the M.Tech. Project Evaluation Committee.**

The following composition of M.Tech Project Evaluation Committee is in force to evaluate the M.Tech dissertation:

#### **M.Tech. Phase I Project Evaluation Committee**

- i. Chairman (HoD)
- ii. Supervisor (s)
- iii. One Internal Examiner

#### **M.Tech. Phase II Project Evaluation Committee**

- i. Chairman (HoD)
- ii. Supervisor (s)
- iii. One Internal Examiner
- iv. One External Examiner



It is proposed to replace the HoD as Chairman of both the above Committees by Convener (DPGC) and the External Examiner shall be from other Departments of the Institution. The name of External Examiner shall be nominated by the main Supervisor and it will be duly approved by the DPGC of the concerned Department.

The Senate is requested to approve the same.

**Resolution.** The Senate approved the composition of the proposed committees with the following observations:

- a. The Chairman of both the committees will be Convener (DPGC) of the respective Department.
- b. The external member of Phase-II Committee will be nominated by the Supervisor from the other department of the Institute or from outside the Institute.
- c. The nomination of external member shall be duly approved by the DPGC of the concerned Department.
- d. One external member can evaluate maximum of four dissertations.

**S.12.07. Constitution of Grade Moderation Committee.**

In order to implement the strict adherence to the Institute Marking and Grading rules, a Grade Moderation Committee is proposed to moderate the grades as per Institute rules:

The composition of the Grade Moderation Committee shall be as follows:

- i. Chairman (Faculty member of the Department)
- ii. Two Other Faculty Members of the Department

The committee shall be appointed by the respective HoD for a Semester. All the Grades shall be moderated and duly signed by the Course Coordinator, the Grade Moderation Committee and respective HoD. The proposal is recommended by the SUGB.

The Senate is requested to approve the proposal.

**Resolution.** Approved. The Chairman of the Grade Moderation Committee will be the senior most Faculty Member of the Department. The Grade Moderation Committee will moderate the grades for lecture based courses only.

**S.12.08. To consider the SWAYAM courses as an audit course for the students.**

In order to promote the learning flexibility from MOOCs and SWAYAM platforms, it is proposed to include SWAYAM courses in our UG, PG and PhD curriculum. A student may register for SWAYAM course as an Audit Course which shall be limited to maximum 4 credits only. The registration to any SWAYAM course shall be done only during the normal semester registration process, for this purpose each Department shall nominate one or more Functional Course Coordinator to monitor the





performance of students and the nominated faculty shall submit their grade to the Academic Section. The proposal is recommended by the SUGB. **Annexure S12.04.**

The Senate is requested to approve the proposal.

**Resolution.** Approved.

**S.12.09. To consider the Seats for “Study in India” Program.**

Government of India has recently launched an ambitious project: “Study in India” program. Institute is already taking students from abroad through DASA scheme; however, the number of admissions through DASA is extremely low.

It is proposed to transfer half of the DASA seats in each Programme to “Study in India” program. The eligibility criteria and fees may be kept in line with DASA scheme only. The proposal is recommended by the SUGB. **Annexure S12.04.**

The Senate is requested to approve the proposal.

**Resolution.** Approved. Four supernumerary seats be created for each UG program and two Supernumerary seats be created for each PG program. The seats under DASA scheme shall remain as it is.

**S.12.10. Admissions through ICCR, MEA, Government of India Schemes.**

Being an Institute of national importance, number of applications of foreign nationals is received from Indian Council for Cultural Relations (ICCR), MEA, and Government of India for various Programmes of the Institute. Institute is unable to consider those applications due to non-availability of any such provisions.

It is proposed to create two supernumerary seats in each Program of the Institute, which may be filled from such applications, which are received through ICCR, MEA, Government of India, on the recommendation of the concerned Department to the SUGB/SPGB. The proposal is recommended by the SUGB. The recommendations are attached as **Annexure S12.04.**

The Senate is requested to approve the proposal.

**Resolution.** Approved. Four supernumerary seats be created, in each program of the Institute, under this category.

**S.12.11. Revised composition of Students Research Progress Committee.**

Currently, Research Progress Committee (RPC) with following composition is formed to monitor the progress of the PhD students:

- i. HoD – (Chairman)
- ii. Supervisor(s)



- iii. Expert from Department (nominated by supervisor & approved by HoD)
- iv. Expert from an allied Department (nominated by supervisor & approved by HoD)
- v. Dean (Academics)

Over the years the number of PhD faculty has increased in the Institute and therefore a significant increase in PhD Students is anticipated, in near future. In order to organize the frequent meetings of RPC the following composition of RPC is proposed:

- i. Convener DPGC (Chairman)
- ii. Supervisor(s)
- iii. Expert from Department (nominated by supervisor & approved by HoD)
- iv. Expert from an allied Department (nominated by supervisor & approved by HoD)

The Senate is requested to approve this proposal.

**Resolution.** The composition of RPC will be as follows:

- i. Convener – Respective Supervisor.
- ii. Two experts from the Department, to be nominated by the supervisor.
- iii. One Expert from an allied Department, to be nominated by the supervisor & approved by the Chairman (SPGB).

**S.12.12. To consider the recommendations of SPGB for PhD Curriculum.**

The SPGB has recommended following modifications in the PhD curriculum:

- i. The prospective PhD admission shall be offered provisionally in both the semesters through advertisements.
- ii. The PhD candidates are required to register for the PhD course work immediately after joining. Therefore the admission process shall be completed in July/December so that PhD candidates can register along with academic registration.
- iii. The PhD candidates after the allotment of the supervisor shall give a broad area of research within three months of their registration.
- iv. The PhD candidates have to defend the explicit research proposal before the RPC members within 18 months from the date of their registration. An extension of 6 months may be given to the student on recommendations of his/her RPC members, subject to the approval of Dean Academics/Associate Dean Academics. The research proposal shall be submitted only after the completion of course work.
- v. The Registration of the PhD candidate for PhD program will be confirmed on successful completion of the course work followed by recommendation of the RPC members on his/her research proposal which shall be approved finally by Dean (Acad.)/Asso. Dean (Acad.).
- vi. The fellowship of the student will start from the initial admission date of the PhD candidate.





- vii. Minimum duration for submission of PhD thesis for a candidate will be 3 years from the date of initial PhD registration.
- viii. The Fee disposition of the PhD candidates will be as per the time lines framed for other UG and PG students of the Institute.

The Senate is requested to approve the above modifications.

**Resolution.** Approved.

**S.12.13. To increase the level of Similarity Index of Master's and PhD Thesis.**

Currently, Institute has 10% Confidence Level for Similarity Index of the Master's and PhD Thesis. The current threshold seems to be extremely low. It does not justify the literature review portion of the Thesis, along with many common pages and formats of each Thesis. This obviously increases the Similarity Index.

In view of this it is proposed to increase the Confidence Level to 20%, after excluding the self-publications, references, quoted text and matches up to 15 words.

The Senate is requested to approve the proposal.

**Resolution.** 10% Similarity level shall be the threshold for the Master's and PhD Thesis after excluding the self-publications, references, quoted text and matches up to 10 words. The limit may be relaxed upto 20% with proper justification of the Supervisor and approval by the Dean (Acad.).

**S.12.14. Discontinuation of Attendance Grade.**

Institute gives the Attendance Grade to each student based on his attendance percentage in a particular course. These Grades are divided in High ( $H \geq 95\%$ ), Normal ( $85\% \leq N < 95\%$ ) and Marginal ( $75\% \leq M < 85\%$ ). Many students who represent Institute recognized activities such as Sports, Placement, and Training receive Marginal Grades in their Grade Sheet for obvious reason.

It is proposed to discontinue these Attendance Grades to avoid any prejudice in the mind of our recruiters and various interview panels. The provision of L and W attendance grades shall continue, as usual. The same has been recommended by the SUGB. The recommendations are attached in Annexure S12.05.

The Senate is requested to approve the proposal.

**Resolution.** Approved.

**S.12.15. Updated Course Book (Ordinances, Rules and Regulations).**

The present Course Book 2016 has become outdated as over a period of time many Rules and Regulations have been revised. A committee was constituted to update the Rules, Ordinances and Regulations of the UG and PG courses based on the changes approved by the Senate in the past.



The complete revised copy of Course Book 2016 has been approved in the 4<sup>th</sup> Meeting of SUGB and SPGB and both academic bodies have recommended the publication of updated Rules and Regulations in the form of a new Course Book attached as **Annexure S12.06**.

The Senate is requested to approve the updated Course Book (Ordinances, Rules and Regulations).

**Resolution.** Approved. The Senate instructed to incorporate all the changes approved by the Senate up to the 12<sup>th</sup> Senate Meeting, before circulation to the students.

**S.12.16. Revision of Scheme of Academic Performance Monitoring Advisory Committee (APMAC).**

The Institute has an Academic Performance Monitoring Advisory Committee (APMAC) as per Clause 4.5.3. Counseling sessions are organized for 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 undergo at least three counseling sessions with the Counseling Cell in a Semester.

In order to make the counseling sessions more effective and also to target only needy students, it is proposed to Identify only those students who falls under any three categories out of four, mentioned above.

The Senate is requested to approve the proposal.

**Resolution.** Withdrawn.

**S.12.17. To consider the recommendation of SUGB for Preparatory Courses.**

The Institute has the provision of two Preparatory courses i.e. in Mathematics (SCL 101) and English (HMP 101). These courses are presently mandatory for new entrant students who fail in the screening test, conducted in the beginning of the Academics Session. The SUGB has recommended discontinuing these two courses. The recommendations are attached in **Annexure S12.07**.

The Senate is requested to approve the proposal.

**Resolution.** Withdrawn.

**S.12.18. Nomination of two faculty members to the Board of Governors.**

As approved in the first Senate meeting held on 26<sup>th</sup> May, 2013, two representatives from amongst the faculty of the Institution are to be nominated on the Board of Governors by the Senate. The tenure of present faculty members nominated to the





Board of Governors namely Dr. Renu Bhadola Dangwal, Assistant Professor, Department of Sciences & Humanities and Dr. Indarjit M Nagpure, Assistant Professor, Department of Sciences & Humanities is going to end in September 2018.

The Senate is requested to nominate two faculty members to the Board of Governors.

**Resolution.** The Senate approved the nomination of following two faculty members to be members of the Board of Governors of the Institute:

- i. Prof. R. B. Patel, Professor, Department of CSE.
- ii. Dr. Sanat Agarwal, Associate Professor, Department of MEC.

**S.12.19. Any other item with the permission of the Chairman, Senate.**

The Chairman allowed the tabling of following three agenda points:

**S.12.19A. To consider the Constitution of Senate Under-Graduate Board (SUGB) & Senate Post Graduate Board (SPGB) and their responsibilities**

As per Ordinances of the Institutes, the Constitution of Senate Under-Graduate Board (SUGB) and Senate Post-Graduate Board (SPGB) and their responsibilities are as follows:

**Constitution of SUGB**

**Chairman:** Dean Academic

**Members:** One teacher from each department by rotation. Tenure of a member shall be of one Academic Year. Each teacher shall get an opportunity to become a member of SUGB. Other Deans and Associate Dean (Academic) will be the members of SUGB.

**Responsibilities:**

- i. To approve the degree requirements proposed by BoS.
- ii. To approve the syllabus / contents of the courses as proposed by BoS.
- iii. To review the cases of students identified for monitoring and load restrictions.
- iv. To review the cases for termination of students and recommend termination of students.
- v. To consider the applications of students for special academic provisions under exceptional circumstances.
- vi. To recommend to senate list of students for award of Degree.
- vii. To recommend to Senate changes/additions to rules and regulations.
- viii. To review the academic result.



### **Constitution of SPGB**

**Chairman:** Dean Academic

**Members:** One teacher from each department by rotation. Tenure of a member shall be of One Academic Year. Each teacher shall get an opportunity to become a member of SPGB.

Departments shall nominate two different teachers on SUGB and SPGB.

#### **Responsibilities:**

- i. To approve the degree requirements proposed by BoS.
- ii. To approve the syllabus / contents of the courses as proposed by BoS.
- iii. To review the cases of students identified for monitoring and load restrictions.
- iv. To review the cases for termination of students and recommend termination of students.
- v. To consider the applications of students for special academic provisions under exceptional circumstances.
- vi. To recommend to the Senate the list of students for award of Degree.
- vii. To recommend to the Senate the changes / additions to rules and regulations.
- viii. To review the academic results.
- ix. To approve the recognition of supervisors.

Considering the responsibilities of both the Boards, the following constitution of SUGB and SPGB is proposed:

### **Constitution of SUGB**

**Chairman:** Associate Dean (Academic-UG)

**Members:** One teacher from each department by rotation. Tenure of a member shall be of One Academic Year. Each teacher shall get an opportunity to become a member of SUGB. AR (Acad.) will be the secretary of the SUGB.

### **Constitution of SPGB**

**Chairman:** Associate Dean (Academic-PG)

**Members:** One teacher from each department by rotation. Tenure of a member shall be of One Academic Year. Each teacher shall get an opportunity to become a member of SPGB. AR (Acad.) will be the secretary of the SPGB.

Each Department will nominate two different teachers for SUGB and SPGB. The role and responsibility of the SUGB and SPGB shall remain same.

The Senate is requested to consider the above proposal for approval, please.

**Resolution.** Approved.





**S.12.19B. To consider the reorganization of Department of Sciences and Humanities**

Currently, Six Departments are functional in the Institute, namely Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering and Mechanical Engineering and Department of Sciences and Humanities.

Presently, Department of Sciences and Humanities is combination of Physics, Chemistry, Mathematics and Humanities with Seventeen Faculty members. In order to ensure better control it is proposed to create following new departments by dissolving the existing Department of Sciences and Humanities:


1. Department of Mathematics.
2. Department of Physics.
3. Department of Chemistry.
4. Department of Humanities and Social Sciences.

**Resolution.** Approved.

**S.12.19C. To consider the request of Mr. Subhash Kumar Ranjan (BT14CIV053) regarding conversion of Open Courses (OC) to Departmental Elective (DE)**

**Resolution.** Not Approved.

The meeting ended with vote of thanks to the Chair.

  
(Col. Sukhpal Singh)  
Secretary

✓  
Approved/ Not Approved

  
(Prof. Shyam Lal Soni)  
Chairman