

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

## MINUTES OF THE FIFTEENTH MEETING OF THE SENATE

The Fifteenth meeting of the Senate was held at NITUK-Satellite Campus, MNIT Jaipur at 11:00 AM on 08<sup>th</sup> January, 2019. Following members were present:

|  |   |                 |
|--|---|-----------------|
| 1. Prof. Shyam Lal Soni, Director                      | - | Chairman        |
| 2. Prof. Ravindra Nagar, MNIT, Jaipur                  | - | Member          |
| 3. Prof. R.B. Patel, Dean (P&D), NIT Uttarakhand       | - | Member          |
| 4. Dr. Gurinder Singh Brar, Dean Academics             | - | Member          |
| 5. Dr. Hariharan Muthusamy, Dean (R&C)                 | - | Member          |
| 6. Dr. Sanat Agarwal, Dean (FW)                        | - | Member          |
| 7. Dr. Dharmendra Tripathi, Dean (SW & AA)             | - | Member          |
| 8. Dr. Lalta Prasad, Dean (I/A)                        | - | Member          |
| 9. Dr. Renu B Dangwal, (HoD, S&H)                      | - | Special Invitee |
| 10. Dr. Prakash Dwivedi, (HoD, EEE)                    | - | Special Invitee |
| 11. Dr. Vikash Pratap Singh, (HoD, CIV)                | - | Special Invitee |
| 12. Dr. Anshul Sharma, Associate Dean (Acad-UG)        | - | Special Invitee |
| 13. Dr. Saumendra Sarangi, I/c Asst. Registrar (Acad.) | - | Special Invitee |
| 14. Col. Sukhpal Singh, Registrar                      | - | Secretary       |

Prof. Mannar Ram Maurya, IIT, Roorkee and Prof. Nupur Tondon, MNIT, Jaipur could not attend the meeting due to prior commitments.

At the outset, Secretary, Senate welcomed the Hon'ble Chairman Senate and requested him to chair the 15<sup>th</sup> meeting of the Senate. The Chairman extended a warm welcome to the Senate members and the Special Invitees. The Secretary thanked all the members of the Senate, faculty and staff of NIT Uttarakhand for standing by the side of the institute during the moment of crisis.

The Senate discussed the agenda and resolved as under:

**S.15.01. Confirmation of the Minutes of the Twelfth meeting of the Senate.**

*The minutes of the Twelfth meeting of the Senate, held on the 21<sup>st</sup> July 2018, are enclosed as Annexure S15.01.*

**Resolution: Confirmed.**

**S.15.02. To confirm the minutes of Thirteenth Senate Meeting.**

*The minutes of the Thirteenth meeting of the Senate, held on the 16<sup>th</sup> Nov. 2018, through agenda by circulation, are enclosed as Annexure S15.02.*

**Resolution: Confirmed.**

**S.15.03. To confirm the minutes of Fourteenth Senate Meeting.**

The minutes of the Fourteenth meeting of the Senate, held on the 2018, through agenda by circulation, are enclosed as **Annexure S.15.03.**

**Resolution:** Confirmed. The hostel fee of Rs. 20,000 be charged from the students living in the Satellite Campus, which is as per the MNIT, Jaipur norms.

**S.15.04. Actions Taken Report.**

The Action Taken Report on the minutes of the tenth meeting of the Senate is as under. The Senate is requested to note the same.

| <b>Agenda Item No.</b> | <b>Agenda Item</b>  | <b>Action Taken</b>      |
|------------------------|---|--------------------------|
| S.12.04                | Award of Minor Degree to the students.  | Implemented              |
| S.12.05                | Revision of Rules for punishment in the cases of use of unfair means by the students                    | Noted for Implementation |
| S.12.06                | Revised composition of the M.Tech. Project Evaluation Committee.  | Noted for Implementation |
| S.12.07                | Constitution of Grade Moderation Committee.   | Noted for Implementation |
| S.12.08                | To consider the SWAYAM courses as an audit course for the students.                                     | Implemented              |
| S.12.09                | To consider the Seats for "Study in India" Program.   | Implemented              |
| S.12.10                | Admissions through ICCR, MEA, Government of India Schemes.  | Implemented              |
| S.12.11                | Revised composition of Students Research Progress Committee.  | Noted for Implementation |
| S.12.12                | To consider the recommendations of SPGB for PhD Curriculum.   | Implemented              |
| S.12.13                | To increase the level of Similarity Index of Master's and PhD Thesis.                                   | Noted for Implementation |
| S.12.14                | Discontinuation of Attendance Grade.  | Implemented              |
| S.12.15                | Updated Course Book (Ordinances, Rules and Regulations).  | Implemented              |
| S.12.16                | Revision of Scheme of Academic Performance Monitoring Advisory Committee (APMAC).                       | Withdrawn.               |
| S.12.17                | To consider the recommendation of SUGB for Preparatory Courses.   | Withdrawn.               |
| S.12.18                | Nomination of two faculty members to the Board of Governors.  | Implemented              |
| S.12.19A               | To consider the Constitution of Senate Under Graduate Board (SUGB) & Senate Post: Graduate Board (SPGB) | Implemented              |
| S.12.19B               | To Consider the reorganization of Department of Sciences and Humanities                                 | Implemented              |

  
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| S.12.19C | To consider the request of Mr. Subhash Kumar Ranjan (BT14CIV053) regarding conversion of Open Courses (OC) to Departmental Elective (DE) | Withdrawn   |
| S.13.01  | Indefinite strike by the students and issues related to probable academic loss in the Odd Semester 2018                                  | Implemented |
| S.14.01  | Proposal to shift the students of B.Tech. 1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> year to a Satellite Campus at MNIT Jaipur. | Implemented |

**Resolution:** Noted. As regards S.12.19 B, the Department of Science and Humanities be reorganized at the earliest.

**S.15.05. 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 the related matters. The brief of the approvals taken are as under and details are enclosed as **Annexure S.15.04.**

| Sr. No. | Name of the Noting  |
|---------|---|
| 1.      | Regarding recommendation of award of M. Tech Degree in Civil Engineering for 2016 Batch Students.                         |
| 2.      | Regarding recommendation of award of M.Tech Degree in Computer Science & Engineering for 2016 Batch Students.             |
| 3.      | Regarding the Recommendation for the Award of M. Tech Degree in Electronics and communication Engineering for 2016 Batch. |
| 4.      | Regarding recommendation of award of M. Tech Degree in Mechanical Engineering for 2016 Batch Students.                    |
| 5.      | Regarding recommendation of award of M. Tech Degree in Electrical Electronics Engineering for 2016 Batch Students.        |
| 6.      | Regarding recommendation of award of B. Tech Degree in Electrical and Electronics Engineering for 2012 Batch Students.    |
| 7.      | Regarding recommendation of award of B. Tech Degree in Electronics and communication Engineering for 2012 Batch Students. |
| 8.      | Regarding recommendation of award of B. Tech Degree in Mechanical Engineering for 2013 Batch Students.                    |
| 9.      | Regarding recommendation of award of B. Tech Degree in Electrical Electronics Engineering for 2013 Batch Students.        |
| 10.     | Regarding recommendation of award of B. Tech Degree in Electrical Electronics Engineering for 2014 Batch Students.        |
| 11.     | Regarding recommendation of award of B. Tech Degree Mechanical Engineering for 2014 Batch Students.                       |
| 12.     | Regarding recommendation of award of B. Tech Degree in Computer Science & Engineering for 2014 Batch Students.            |
| 13.     | Regarding recommendation of award of B. Tech Degree in in Civil Engineering for 2014 Batch Students.                      |
| 14.     | Recommendation for the award of minor degree to 2014 students in Computer Science Engineering                             |
| 15.     | Recommendation for the award of minor degree to 2013 students in Computer Science Engineering                             |

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| 16. | Regarding recommendation of co-supervisor from outside the institute for PhD of Bhoopendra Pandey.         |
| 17. | To consider the case of Ms. Ashvini Sihra (BT15MEC026) to allow her to appear in End Semester Examination. |
| 18. | Permission to appoint an additional Supervisor for Ms. Anita (DS16SCJ002)                                  |

The Senate is requested to ratify the same.

**Resolution: Ratified.**

**S.15.06. To approve the Academic Excellence Awards to the students of B.Tech. 2014 and M.Tech 2016 Batch.**

In compliance to resolution of third meeting of the Board of Governors vide agenda Item BoG 03.12 and resolution of fifth meeting of the Senate vide agenda Item S.05.04, a duly constituted committee recommended Academic Excellence Awards to be awarded to following students of B.Tech. 2014 and M.Tech 2016 Batch. The Committee report is enclosed as **Annexure S.15.06.**

**Academic Excellence Awards for B.Tech 2014 Batch and M.Tech 2016 Batch**

| Sr. No.        | Award  | Criterion  | Awardee                            | CGPA |
|----------------|--|--|------------------------------------|------|
| <b>B.Tech.</b> |  |  |                                    |      |
| 1.             | Director's Gold Medal  | Highest CGPA from amongst all B.Tech. Graduating students.   | Harman Preet Singh (BT14CSE010)    | 9.77 |
| 2.             | Gold Medal for B.Tech. Civil Engineering                         | Highest CGPA from amongst all B.Tech. (Civil Engineering) Graduating students.                         | Ashwani Kumar Chauhan (BT14CIV040) | 9.24 |
| 3.             | Gold Medal for B.Tech. Computer Science and Engineering          | Highest CGPA from amongst all B.Tech. (Computer Science and Engineering) Graduating students.          | Harman Preet Singh (BT14CSE010)    | 9.77 |
| 4.             | Gold Medal for B.Tech. Electrical and Electronics Engineering    | Highest CGPA from amongst all B.Tech. (Electrical and Electronics Engineering) Graduating students.    | Rajnish (BT14EEE022)               | 9.01 |
| 5.             | Gold Medal for B.Tech. Electronics and Communication Engineering | Highest CGPA from amongst all B.Tech. (Electronics and Communication Engineering) Graduating students. | Saloni Yadav (BT14ECE006)          | 9.63 |
| 6.             | Gold Medal for B.Tech. Mechanical Engineering                    | Highest CGPA from amongst all B.Tech. (Mechanical Engineering) Graduating students.                    | Pappu Kumar (BT14MEC032)           | 9.21 |
| <b>M.Tech.</b> |  |  |                                    |      |
| 7.             | Gold Medal for M.Tech. Civil Engineering                         | Highest CGPA from amongst all M.Tech. (Civil Engineering) Graduating students.                         | Aniket Chanda (MT16CIV002)         | 9.27 |
| 8.             | Gold Medal for M.Tech. Computer Science and Engineering          | Highest CGPA from amongst all M.Tech. (Computer Science and Engineering) Graduating students.          | Ramakrishna Koppanati (MT16CSE011) | 9.35 |
| 9.             | Gold Medal for M.Tech. Electrical and Electronics Engineering    | Highest CGPA from amongst all M.Tech. (Electrical and Electronics Engineering) Graduating students.    | Gowra Murali Krishna (MT16EEE010)  | 9.67 |
| 10.            | Gold Medal for M.Tech. Electronics and Communication Engineering | Highest CGPA from amongst all M.Tech. (Electronics and Communication Engineering) Graduating students. | Davuluri Srikanth (MT16ECE010)     | 9.29 |
| 11.            | Gold Medal for M.Tech. Mechanical Engineering                    | Highest CGPA from amongst all M.Tech. (Mechanical Engineering) Graduating students.                    | Anjali Jha (MT16MEC007)            | 9.53 |



*The Senate is requested to approve the excellence awards to the above students.*

**Resolution: Approved.**

**S.15.07. To increase the intake of the students in Ph.D Programs.**

*The number of annual intake of full-time Ph.D. students was discussed in the SPGB. At present, 42 Doctorate faculty members are working in the Institute, which may increase in near future. In the resolution against agenda Item **S.11.04** in the 11th meeting of the Senate, it has been confirmed that each faculty can supervise maximum four Ph.D. students registered under him at any one time, out of which maximum two can be offered MHRD scholarship by the Institute. Further, the requirement of 41 full-time Ph.D. students has been received by Asso. Dean (Acad.-PG) from all departments for current semester. Considering all the matters, SPGB members recommended the annual intake of 60 full-time Ph.D. students who will be sponsored by the Institute. The minutes of the SPGB meeting is attached as **Annexure S.15.07.***

*The Senate is requested to approve the increase the MHRD scholarship seats.*

**Resolution: Approved. The annual intake of Ph.D. students should be 40. To improve the quality of intake, a selection committee of senior faculty members should be constituted for selection of PhD students.**

**As regards, sponsored Part Time PhD enrollment programme for temporary faculty Members engaged through TEQIP-III, a committee be constituted to study the proposal and give its recommendations to the Senate.**

**S.15.08. To approve the policy on Internship for M.Tech.**

*SPGB in its meeting held on 30<sup>th</sup> July 2018, the copy of minutes are attached as **Annexure S.15.07**, deliberate upon and recommended following policy for Internship for M.Tech students:*

- a) *Internship will be a 17 credit course which can be taken up by any M.Tech student in his 3rd semester. A student who earns 38 credits at the end of 2nd semester i.e. has completed the entire lecture based PG core & PG elective courses, is eligible for Internship. The duration of Internship shall be of minimum 9 months and maximum 12 months, preferably in the Industry in India.*
- b) *The student who is eligible and is willing to go for Internship but does not have an offer letter till the date of Registration for 3rd semester, will be allowed to register for intrenal Courses/Project which can be substituted by the Internship if the student submits the copy of the offer letter before the last date of Enrollment of the 3<sup>rd</sup> semester.*
- c) *DPGC will submit its recommendation to Dean (Academics) through proper channel after due verification of the existence and reputation of that Company*

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to which student wishes to go for Internship. The student will then be allowed to register for Internship.

- d) DPGC shall also appoint a Supervisor for the student from the Department and a Co-Supervisor from the concerned Industry for Internship. The Supervisor will be in contact with the student as well as with the Co-Supervisor through personal visits or by e-mail or any other appropriate means of communication.
- e) The student is required to send a monthly work report to the Supervisor throughout the entire duration of his/her Internship. The supervisor is further required to monitor the attendance of the student in the Industry.
- f) It is the responsibility of the student to arrange for his/her Internship. However, a list of industries as well as the required guidance will be provided by the faculty advisor and the Training & Placement section to the students for this purpose.
- g) A student who wishes to go for Internship in 3rd Semester is mandatorily required to register for, Seminar of 2 credits, in 2nd semester. The credits of Internship Phase-I (3<sup>rd</sup> Semester) and Phase-II(4<sup>th</sup> Semester) are 5 and 10 respectively. The work of Internship Phase-I in 3rd semester will be extended in 4th semester as Internship Phase-II. Before the end of 3rd semester, the student will submit a report of Phase-I Internship to the concerned Supervisor in the department.
- h) The evaluation pattern of Phase-I Internship will be same as of Project Phase-I evaluation as given in the Ordinances, and the student has to be present in the campus for the same. The student will be allowed to register for Internship Phase-II on the recommendation of the Phase-I evaluation Committee.
- i) After completion of Internship Phase-II, the student has to submit his Dissertation in the Department on the entire research work. The format of Dissertation & evaluation will be same as per the Ordinances of the Institute.
- j) No financial assistance from the institute will be given to the student for Internship. It is mandatory that the student gets a stipend from the Industry where he/she undergoes for Internship.
- k) The Course shall have a code XXT501 for Internship Phase-I & XXT502 for Internship Phase-II.

The Senate is requested to approve the same.

**Resolution: Approved with following additions:**

- (a) The student will have to complete the Dissertation as per the Ordinances in addition to the Internship.
- (b) No Scholarship will be payable during the duration of Internship.

**S.15.09. To approve the format of Transcript for M.Tech. students.**

The format of M.Tech. Transcript was discussed in the SPGB meeting and the same was designed as provided in **Annexure S15.08.**

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 10/01/19

**Resolution:** Approved. Registrar will sign and issue the Transcript.

**S.15.10. To approve the constitution of Viva-Voce Committee for Ph.D. viva.**

The SPGB in its meeting held on 12<sup>th</sup> Sept. 2018, the copy of minutes are attached as **Annexure S15.09**, deliberate upon and recommended following constitution of Viva-Voce committee for PhD viva:

1. HoD of the respective department-Chairman
2. One of the external examiners (Indian examiner) of the Ph.D. thesis.
3. Guide(s)
4. RPC members.

The Senate is requested to approve the constitution of the committee for the Ph.D. Viva.

**Resolution:** The constitution of Viva-Voce committee for PhD viva-voce will be is as follows:



1. One of the External Examiners (Indian examiner) of the Ph.D. thesis.
2. Supervisor and Co-supervisor (if any).

The final PhD defense will be an Open House event. However, only the above members will sign the certificate.

**S.15.11. To approve evaluation policy of Ph.D. thesis by the External Examiners.**

The SPGB in its meeting held on 12<sup>th</sup> Sept. 2018, the copy of minutes are attached as **Annexure S15.09**, deliberate upon and recommended following policy for evaluation of PhD thesis by the external examiners:

- a. The Supervisor will submit a list of at least six examiners to Dean (Acad.), through respective HoD and in consultation with the respective RPC. The examiners should be of Associate Professor or Professor Level. For CSIR laboratories, it should be in the level of Principal Scientist or above. Dean (Acad.) will submit the list before the Chairman, Senate for his consideration and approval. The Chairman, Senate will select two examiners for evaluation of the thesis from this list.
- b. The Thesis should be evaluated by one Indian and one Foreign Examiners or two Indian Examiners nominated by the Chairman Senate from the panel of six Examiners.
- c. After the synopsis has been submitted and the thesis examiners have been selected by Chairman Senate, the Dean Academics will send a confidential letter/E-Mail to each approved member of the Thesis Board enclosing a copy of

 10/01/19  10/11/18



the synopsis and requesting him/her to serve as an examiner for the thesis. If either of the examiner refuses or no response is received within four weeks (with a reminder being sent after two weeks), then steps will be taken to appoint another Examiner(s).

- d. On receipt of the acceptance from the examiner, a hard copy of the thesis along with a copy of Ph.D examiner's recommendation form, will be sent to each examiner. The soft copy of the thesis can be sent via e-mail also.
- e. The names of the Examiners of the thesis shall be kept confidential till successful completion of the Ph.D. viva. However, on completion of Ph.D. thesis evaluation, Dean (Academic) will send the copy of Thesis Evaluation Report to the Thesis Supervisor(s) along with the details of the Indian examiner so that the name can be included in the proposed list of the members of Ph.D viva.
- f. In case Dean (Academics) is the supervisor of the student concerned, above processing will be done by the Chairperson, SPGB.

The Senate is requested to approve the above policy for the submission of the PhD Thesis.

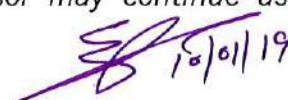
**Resolution:** Approved with following modifications:

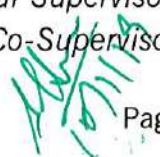
- (a) The panel of experts proposed by the Supervisor should consist of 08 Examiners, i.e. 04 Indian and 04 Foreigner, from the Institute of eminence.
- (b) The panel of experts proposed by the Supervisor should directly be submitted to Dean (Academics).

**S.15.12.** To approve the policy to change the guide of Ph.D. students in case of resignation by the Supervisor from the Institute.

The SPGB in its meeting held on 12<sup>th</sup> Sept. 2018, the copy of minutes are attached as **Annexure S.15.09**, deliberate upon and recommended following policy for changing the supervisor of Ph.D. students in the event of resignation by the Supervisor from the Institute:

- a. New Principal Supervisor(s) of the student will be decided by a Committee consisting of members from RPC under the Chairmanship of the respective HoD. The recommendation of this committee will be approved by the Chairman, Senate. The opinion of the student will also be considered by the committee.
- b. If the thesis can be submitted by the student before completion of that running Semester then the Principal Supervisor is permitted to continue as Principal Supervisor for that candidate even after resignation by the Principal Supervisor faculty from the Institute.
- c. If the thesis cannot be submitted by the student in the same semester, the above committee may recommend appointing a new Principal Supervisor, in that case the present Principal Supervisor may continue as Co-Supervisor of the

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student along with a new Principal Supervisor from the concerned department or from allied department.

The Senate is requested to approve the above policy to change the Principal Supervisor of a Ph.D. students in the event of resignation by the Principal Supervisor faculty from the Institute.

**Resolution:** **Withdrawn.** The same may be decided through the recommendations of a committee, on case by case basis.

**S.15.13. To approve the format of Provisional Degree Certificate of M.Tech. Degree.**

Institute had received some grievances from M. Tech. students that the specialization is not mentioned in the Provisional Degree Certificate. The existing Provisional Degree Certificate was placed before the SPGB for recommending the modifications. The redesigned Provisional Degree Certificate is attached as **Annexure S.15.10.**

The Senate is requested to approve the new format of Provisional Degree Certificate of M.Tech degree.

**Resolution:** **Approved.** Registrar or his nominee will sign and issue the Provisional Degree Certificate.

**S.15.14. To approve the format of Ph.D. Thesis evaluation form.**

The format of Ph.D. Thesis Evaluation form was placed before the SPGB for recommendation and the proposed format is attached as **Annexure S.15.10.**

The Senate is requested to approve the Ph.D. Thesis Evaluation Form.

**Resolution:** **Approved.** Category (D) be deleted.

**S.15.15. To approve partial modification of Ph.D Ordinances 3.2.1.**

Consequent to the resolve of the Senate vide **Agenda S.12.12** there is a need to modify **Ordinance 3.2.1** as follows:

"3.2 Seminar during Ph.D work:

3.2.1 The candidate is required to give a seminar on the progress of his/her project work every 6 months in respective departments after the confirmation of PhD Registration."

The Senate is requested to approve partial modification of Ph. D Ordinance 3.2.1.

**Resolution:** **Approved.**

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**S.15.16. To approve the academic calendar for the Even semester 2019.**

*Academic Calendar for Even semester 2019 has been prepared.*

*The Senate is requested to approve the Academic Calendar for Even Semester 2019 enclosed as **Annexure S.15.10.***

**Resolution: Approved with following modifications:**

- (a) One week of time be earmarked for PhD Progress Seminar between End Term Examination and Display of Results and same be reflected in the Academic Calendar.
- (b) The dates of Techno-Cultural Festival should not be mentioned in the Academic Calendar.

**S.15.17. The approve relaxation of the students to register for less than 15/30 credits in the last semester of the B.Tech Degree.**

*As per the Clause No. 4.3 of the Course Book 2016, the student has to register for minimum 15 credits for each semester. Due to this clause the total credits, in the case of few students, the credits earned exceeds more than the maximum limit of required credits for award of the degree. Hence it is proposed to modify and create provisions in Clause No. 4.3 as follows:*

*"Under exceptional circumstances, a student can register less than minimum of 15 credits in the final semester. However, this will be permitted at the most once during the B.Tech program."*

*The Senate is requested to approve the relaxation criteria of minimum 15 credits stipulated in Clause No. 4.3.*

**Resolution: Approved. This relaxation in criterion will be applicable only in the last semester of B. Tech Degree.**

**S.15.18. The approve deregistration of the student Rajeev Saini (BT16ECE048).**

*As per the Ordinances, Rules and Regulations, student should earn at least 35 credits after 4th semester, so as to continue his B.Tech. Programme at this Institute. The following student has failed to fulfill the required criteria and therefore it is recommended for deregistration from the B.Tech. program of the institution. The letter to this effect as already been issued to the student and his parents, as per institute norms which are attached as. **Annexure S.15.11.***

*There are two students who have not fulfilled the required criteria. The names of these students are as mentioned below:*

 10/01/19

 10/01/19



| Sr. No. | Name of the Student | Roll No.   | Completed Credits | Required Credits |
|---------|---------------------|------------|-------------------|------------------|
| 1.      | Rajeev Saini        | BT16ECE048 | 23                | 35               |

The Senate is requested to approve deregistration of Rajeev Saini (BT16ECE048) from B.Tech. program of the institution.

**Resolution:** Withdrawn. Respective HoD to communicate with the student and intimate the progress.

**S.15.19.** The approve conduct of Six Level courses for Ph.D. scholars in the department of Science and Humanities.



Following PhD students of department of Science and Humanities have not been able to complete their respective coursework due to non-availability of six level courses in the department.

| Sl. No | Name of the Student | Roll No    |
|--------|---------------------|------------|
| 1      | Zafar Iqbal         | DS18SCJ001 |
| 2      | Asha Joshi          | DS18SCJ002 |

As per PhD Ordinances **Clause 3.1**, they are required to complete the course work within the two semesters, after joining the program. One student is going to complete two semesters and other student is going to complete first semester at the end of this ODD semester 2018. However, due to non-availability of six-level courses in the department, they could not complete their course work. Therefore, it is essential to offer six-level courses for these two PhD scholars, in the upcoming semester, so as to enable them to complete their course work as per Ordinances.

The Department science and Humanities organized CDW to prepare the syllabus for six-level courses for Ph.D. by inviting the experts from IIT Roorkee. The recommendations of CDW were wetted by SPGB in its seventh meeting, the minutes of which are attached as **Annexure S.15.12**. The brief details of the six-level courses are as follows:

| Sl. No | Specialization | Name of the subject                                   | Code   | Credit  |
|--------|----------------|---|--------|---------|
| 1      | Physics        | Synthesis of Materials                                | SCL601 | 3-0-0-3 |
| 2      |                | Characterization Technique                            | SCL602 | 3-0-0-3 |
| 3      |                | Physics of Materials                                  | SCL603 | 3-0-0-3 |
| 4      | Chemistry      | Role of Organometallic Compounds in Organic Synthesis | SCL604 | 3-0-0-3 |
| 5      |                | Molecular Spectroscopy                                | SCL605 | 3-0-0-3 |
| 6      |                | Synthetic Organic Chemistry                           | SCL606 | 3-0-0-3 |
| 7      |                | Photochemistry & Preicyclic Reactions                 | SCL607 | 3-0-0-3 |
| 8      |                | Heterocyclic Chemistry                                | SCL608 | 3-0-0-3 |

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The Senate is requested to approve the courses proposed by the SPGB.

**Resolution:** Approved. SWAYAM and some recognized "Blended MOOCS" programs be also included.

**S.15.20.** *To approve the admission of one extra student in the department of Civil Engineering during the admission of year 2018-2019.*

*During the B.Tech admission process in the year 2018, one additional student is allotted to The NIT Uttarakhand in the department of Civil Engineering due the software issues of CSAB 2018. This was communicated and approved by the competent authority of the CSAB 2018. The approval on mail received from CSAB from is attached as **Annexure S.15.13**. It is recommended that a one supernumerary seat be created to regularize the admission of the additional student.*

*The senate is requested to approve the creation of one supernumerary seat in the academic year 2018-19.*

**Resolution:** Approved.

**S.15.21.** *To approve the minimum requirement for the award of first division and the format of the grade card.*

*The CGPA conversion formula has been changed in the agenda item **S.10.15**, which now is required to be included in the final grade card. However as an implication of the same, requirement of first division will now be 6.00 CGPA instead of 6.75 CGPA, therefore the format of the final Grade Card has to amend accordingly.*

*The attendance grade, which is mentioned in the final grade card, has also been discontinued vide Senate Agenda **S.12.14**. Therefore the grade card has to be modified accordingly. The new format of the Grade Card with following modification is attached in **Annexure S.15.14**.*

- i. The CGPA conversion formula*
- ii. The minimum requirement for the award of first division.*
- iii. The removal attendance grade*

*The Senate is requested to approve the revised format of Grade Card.*

**Resolution:** Approved.

**S.15.22.** *Crediting of Zero-Credit Courses namely Project, Practical Training, Sports-I and Sports II for B.tech programme.*

*With reference to the Agenda item **S. 10.17** of 10<sup>th</sup> Senate, on this subject the senate while agreeing in principle suggested that the proposal be reframed with due deliberations. Accordingly the issue of crediting of zero credit courses was deliberated upon in DUGC of all the departments and SUGB the minutes of the*

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same are attached as **Annexure S.15.15.**

As regards Sport-I and Sports-II the SUGB recommends that Sport-I and Sports-II can't come under Departmental Core (DC) category. Moreover, Sport-I and Sports-II are equivalent to NCC/NSO/NSS. Therefore, Sport-I and Sports-II should continue to be a zero credit compulsory course. Allotting Sports – I and Sports – II, 01 credit each can reduce the number of OC credits to 19 which can further create complexities while awarding Minor Degree, as the student have to complete a set of pre-defined courses of total 20 credits under OC category.

As regards other Non-credit (UN) courses like Project (XXD201) and Literature Review Paper Writing (XXD 301), Practical Training(XXD201) and Community Project (XXT201) the SUGB has recommended two viable proposed formats for implementation of the same. The Senate is requested to deliberate upon and recommend one of the proposed formats.

### **Proposed Format-I**

- (a) 01 credit each should be allotted to Project (XXD201) and Literature Review Paper Writing (XXD301), as both the courses are cumulatively evaluated during the semester. Both the courses will be considered under Departmental Core (DC) category. However, the minimum requirement for the award of the B. Tech degree will remain same (i.e. 160 credits) minimizing the requirement of the Open Courses (OC) credits to 21.
- (b) All other Non-credit (UN) courses except Project (XXD201) and Literature Review Paper Writing (XXD301) should be kept as it is.

| OLD                    |                                 |       |        |
|------------------------|---------------------------------|-------|--------|
| Non Credit Requirement |                                 | L-T-P | Credit |
| NCN101                 | NCC#                            | -     | 0      |
| NCN102                 | NSS#                            | -     | 0      |
| NCN103                 | NSO#                            | -     | 0      |
| SPB101                 | Sports-I#                       | 0-0-4 | 0      |
| SPB102                 | Sports-II#                      | 0-0-4 | 0      |
| XXD201                 | Project                         | -     | 0      |
| XXD301                 | Literature Review Paper Writing | -     | 0      |
| XXT201                 | Practical Training              | -     | 0      |
| HMD201                 | Community Project               | -     | 0      |

| NEW   |                                 |       |        |
|---|---------------------------------|-------|--------|
| Non Credit Requirement  |                                 | L-T-P | Credit |
| NCN101  | NCC#                            | -     | 0      |
| NCN102  | NSS#                            | -     | 0      |
| NCN103  | NSO#                            | -     | 0      |
| SPB101  | Sports- I#                      | 0-0-4 | 0      |
| SPB102  | Sports-II#                      | 0-0-4 | 0      |
| XXT202  | Practical Training              | -     | 0      |
| HMD201  | Community Project               | -     | 0      |
| <b>Courses allotted with Credit and converted DC Category</b> |                                 |       |        |
| XXD202  | Project                         | -     | 1      |
| XXD301  | Literature Review Paper Writing | -     | 1      |

After conversion of the Non-Credit courses to the Credit Courses, the new credit requirement to earn the B.Tech degree shall be as follows.

| S.No.    | Category                       | Symbol    | B.Tech.<br>(4-year) | Modified B.Tech.<br>(4-year) |
|----------|--------------------------------|-----------|---------------------|------------------------------|
| <b>1</b> | <b>UG Core</b>                 | <b>UC</b> | <b>106</b>          | <b>108</b>                   |
| 1.1      | Departmental Core              | DC        | 59                  | 59+2=61                      |
| 1.2      | Basic Sciences                 | BS        | 19                  | 19                           |
| 1.3      | Engineering Arts and Sciences  | ES        | 22                  | 22                           |
| 1.4      | Humanities and Social Sciences | HM        | 6                   | 6                            |
| <b>2</b> | <b>UG Elective</b>             | <b>UE</b> | <b>54</b>           | <b>52</b>                    |
| 2.1      | Departmental Electives         | DE        | 25 (minimum)        | 25 (minimum)                 |

 10/01/19

 10/01/19



|     |   |           |                      |                      |
|-----|---|-----------|----------------------|----------------------|
| 2.2 | Humanities, Social Sciences, Management | HM        | 6 (minimum)          | 6 (minimum)          |
| 2.3 | Open Courses                            | OC        | 23 (balance)         | 23-2=21 (balance)    |
| 3   | <b>Non Credit Requirement</b>           | <b>UN</b> | <b>0 (6 Courses)</b> | <b>0 (4 Courses)</b> |
| 4   | <b>TOTAL REQUIREMENT</b>                |           | <b>160(Minimum)</b>  | <b>160(Minimum)</b>  |

### **Proposed Format-II**

A student has option to carry out four project based courses during the B. Tech Degree, which are as follows:

1. Product Realization (offered in the 2<sup>nd</sup> Semester)
2. Project (offered in the 5<sup>th</sup> Semester)
3. Major Project Part I (offered in the 7<sup>th</sup> Semester)
4. Major Project Part II (offered in the 8<sup>th</sup> Semester)

It is proposed that Project (XXD201), Major Project Part I (XXD401) and Major Project Part II (XXD402) be merged together and be offered in one semester only (preferably in the final year of B.Tech program) so that the student can register for Internship in one semester and register for Major Project in other semester in the final year. This Major Project should be compulsory for all the students. Rest of the Non-credit (UN) courses can be Compulsory Courses without any credit for completion of B. Tech Degree. Maximum of 03 Credits may be allotted to Major Project.

After conversion of the Non-Credit courses to the Credit Courses, the new credit requirement to earn the B.Tech degree shall be as follows:

| S.No. | Category                                | Symbol    | B.Tech. (4-year)     | Modified B.Tech. (4-year) |
|-------|---|-----------|----------------------|---------------------------|
| 1     | <b>UG Core</b>                          | <b>UC</b> | <b>106</b>           | <b>111</b>                |
| 1.1   | Departmental Core                       | DC        | 59                   | 59+3=62                   |
| 1.2   | Basic Sciences                          | BS        | 19                   | 19                        |
| 1.3   | Engineering Arts and Sciences           | ES        | 22                   | 22                        |
| 1.4   | Humanities and Social Sciences          | HM        | 6                    | 6                         |
| 2     | <b>UG Elective</b>                      | <b>UE</b> | <b>54</b>            | <b>51</b>                 |
| 2.1   | Departmental Electives                  | DE        | 25 (minimum)         | 25 (minimum)              |
| 2.2   | Humanities, Social Sciences, Management | HM        | 6 (minimum)          | 6 (minimum)               |
| 2.3   | Open Courses                            | OC        | 23 (balance)         | 23-3=20(balance)          |
| 3     | <b>Non Credit Requirement</b>           | <b>UN</b> | <b>0 (6 Courses)</b> | <b>0 (4 Courses)</b>      |
| 4     | <b>TOTAL REQUIREMENT</b>                |           | <b>160 (Minimum)</b> | <b>160 (Minimum)</b>      |

All other Non-credit (UN) courses NCC/NSO/NSS/Sports, Literature Review Paper Writing, Practical Training and Community Project should be made compulsory Non-credit (UN) courses.

The Senate is requested to approve the new credit structure.

**Resolution:** Withdrawn. Institute should motivate the students by awarding "Best Project Award" in each Department.

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**S.15.23(A) To consider the disbursement of the scholarship to M.Tech. scholars for the period from 04<sup>th</sup> October 2018 to 16<sup>th</sup> Dec 2018 (Agitation period).**

Consequent to a fatal road accident on NH-58 in front of the Temporary Campus in Srinagar (Garhwal), in which two students of NIT got very severe injuries, all students of NIT Uttarakhand were sitting on an indefinite strike since 04.10.2018. However after the interference of the MHRD the strike was called off and the students had resumed the classes from the 17.12.2018. During this period the M.Tech students were also absent in the respective departments and M.Tech 1<sup>st</sup> year students have not attended the classes of their course work.

After resuming the classes, the M.Tech. students have requested for grant of scholarship for the duration from 04.10.2018 to 16.12.2018. The issue was discussed in the respective Departmental Faculty Boards, the minutes of which are attached as **Annexure S.15.01**.

The Senate is requested to deliberate upon and issue necessary directions.

**Resolution:** Approved, as students are undergoing Crash Course during Vacation Period with prolonged hours of Academic Activities.

**S. 15.23(B) To consider the case of a student who has not completed one course of zero credit.**

As per the Institute's Ordinances, Rules and Regulation Item No 4.1.1, the students must clear 6 Courses of Non-Credit Requirement for the award of the degree in B.Tech. in any discipline. These courses are compulsory courses and are mandatory for award of degree as per the Ordinances. However, the pass/ fail grade in this Non-Credit courses does not affect the CGPA of the student.

The student Rajnish Joshi failed in the Non-Credit course "Literature Review Paper Writing (LRPW), MED 301". The grade card is attached as **Annexure S.15.04**. The Departmental Degree Committee recommended him for the award of the degree as per **Annexure S.15.05**. The Grade Cards are also verified by the Committee and he was recommended eligible for the award of the degree as per **Annexure S.15.06**. As a result, the Provisional Degree, Leaving/Migration Certificate and Character Certificate have already been issued to Mr. Rajnish Joshi. However, it was observed during verification that his one of the Non-Credit course is not completed i.e MED 301 (Literature Review Paper Writing). Therefore, the Grade Card was not dispatched, and the Final Degree is still not awarded to the student. Hence, the student has to complete the Non-Credit Course MED 301 (Literature Review Paper Writing) for the award of B.Tech. Degree.

Since it is a Non-Credit Course, it is proposed to waive off the requirement of completing the course MED 301 (Literature Review Paper Writing) as a Special case and the B. Tech Degree may be awarded accordingly.

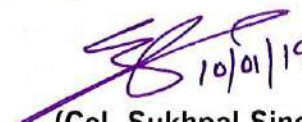
The Senate is requested to issue necessary instruction.

  
10/01/19

  
10/01/19

Resolution: Approved as a Special case. No such precedence will be allowed in future.

The meeting ended with vote of thanks to the Chair.

  
(Col. Sukhpal Singh)  
Secretary, Senate

  
Approved/ Not Approved

  
19/11/19  
(Prof. Shyam Lal Soni)  
Chairman