

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

MINUTES OF THE 9th MEETING OF THE SENATE HELD ON 13th May, 2017.

The Ninth meeting of the Senate was held at the Committee Room of the Institute at 06:00 PM on 13th May, 2017. Following members were present:

1. Dr. Satish Kumar, I/c Director	-	Chairman
2. Prof. T.C. Kandpal, IIT, Delhi	-	Member
3. Prof. Rashmi Gaur, IIT, Roorkee	-	Member
4. Col. Sukhpal Singh, Registrar	-	Secretary
5. Prof. Pankaj Chandna, NIT, Kurukshetra	-	Special Invitee
6. Dr. A.K. Anupam, Asso. Dean (Acad.)	-	Special Invitee
7. Dr. Kranti Jain, Asso. Dean (P & D)	-	Special Invitee
8. Dr. Navjot Singh, Asso. Dean (R&C)	-	Special Invitee
9. Dr. Pawan Kumar Rakesh, Asso. Dean (FW)	-	Special Invitee
10. Dr. Himanshu Sharma, HoD (CE)	-	Special Invitee
11. Dr. Judhister Mahapatro, HoD (CS)	-	Special Invitee
12. Dr. Pankaj Kumar Pal, HoD (EC)	-	Special Invitee
13. Dr. I.M. Nagpure, HoD (S&H)	-	Special Invitee
14. Mr. Saumendra Sarangi, HoD (EE)	-	Special Invitee
15. Mr. Jagdeep Singh, Assistant Registrar (Acad.)	-	Special Invitee

Prof. R.B.Deshmukh, VNIT, Nagpur could not attend the meeting due to prior commitments.

At the outset, the Chairman welcomed all the members and Special Invitees.

The Senate discussed the agenda and resolved as under:

S. 08.01 Confirmation of the Minutes of the Eighth meeting of the Senate.


Resolution: Minutes of the Eighth Meeting of the Senate were confirmed.

S. 08.02 Actions Taken Report.

Resolution: The Senate noted the Action Taken Report and advised that the action taken for Agenda Item S.08.08 and S.08.18 be marked as "Deferred by the Senate" instead of only "Deferred". The Senate also suggested that the process regarding NAD be initiated by the Institute as per the latest available information from MHRD.

S. 09.03 Framing of rules for M. Tech. Dissertation.

As approved in the Seventh meeting of the Senate held on 13th March 2016, Institute has started M. Tech. programme in Five Departments with two Specializations in each. Presently, Institute Ordinances, Rules and Regulations (UG and PG Programme) are silent on Rules for M. Tech. Dissertation.



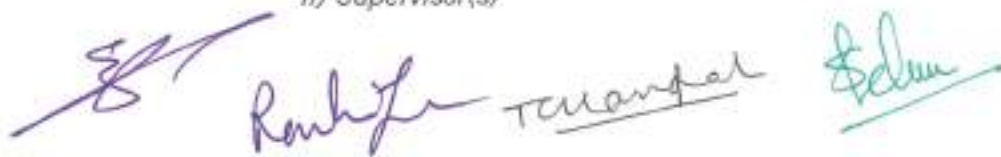
Following rules are proposed for M. Tech. Dissertation:

- Each student shall be given a topic for his Project Phase I and Project Phase II before last date of registration for the third semester and fourth semester respectively.
- BPGS shall appoint supervisor(s) for each M.Tech. student immediately after the registration of the third semester i.e. before starting of the examinations of the second semester.
- In addition, co-supervisor(s) from the same Department/other Department may be opted by the supervisor with the approval of the BPGS.
- Co-supervisor may be selected from outside the Institute. A prior approval for the same is required from the Chairman Senate after due recommendations of BPGS and Dean Academic/Associate Dean (Academic). The DPGC must ensure that the supervisor has recommended the case by justifying, as to how the inclusion of co-supervisor will facilitate better research work. Also, the written consent of the proposed co-supervisor must be attached with the recommendations.
- A faculty member appointed as M.Tech. Supervisor is normally expected to be available to the student in the Institute till the thesis is submitted. Whenever a Supervisor leaves the Institute permanently/temporarily, the BPGS shall make alternative arrangements for guidance during the supervisor's absence.
- Schedule for Project Assessment and Course Evaluation shall be as per Project Based Course (D type course). Performa-I and Performa-II for Project Based Course Evaluation are attached as **Annexure S09.02**.
- Students are required to submit spiral/soft bound copies of the dissertation to the Supervisor at least two week prior to date of defense. Modified/corrected Dissertation should be submitted, to the Committee for examination, at least one week prior to the date of defense.
- The viva-voce is to be conducted under the arrangements of the respective Department.
- If a student does not appear in the viva-voce within the given time period, his/her programme would be deemed to have been terminated. Request for reinstatement in the programme by such student should be addressed to the Chairman, Senate. After the approval from the authority viva-voce may be conducted again. In case student does not appear second time, the thesis submitted by the student shall be rejected.
- After the viva-voce, the modifications suggested if any, by the viva-voce Board, should be incorporated in the Dissertation and then four/five number of hard bound copies and softcopy (preferably PDF on CD/DVD) should be submitted to the Department.
- Final grade reports are to be sent by the panel of examiners to the Academic Section on completion of viva-voce.
- In case a student gets a fail grade in the Project Phase I/Project Phase II, he/she should carry out additional work/modifications etc. as suggested by the panel/committee. Student is required to appear again for assessment before the panel/committee within one month from the date of previous assessment. No grade restriction will be imposed for delayed presentation/re-examination (if a fail grade is obtained in the first presentation).
- Procedure for awarding grades in Seminar, Project Phase I and Project Phase II shall be Absolute Grade System.
- The composition of Committee for Evaluation is as under:

Project Phase I

i) Chairman (HoD)

ii) Supervisor(s)



iii) One Internal Examiner

Project Phase II

i) Chairman (HoD)

ii) Supervisor(s)

iii) One Internal Examiner

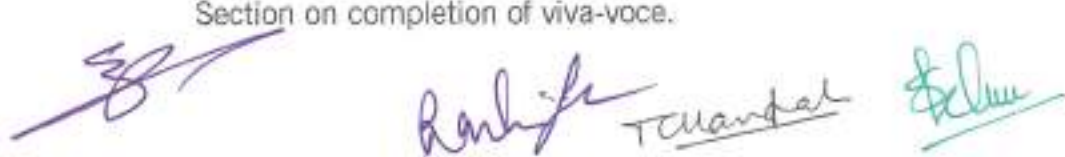
iv) External Examiner*

* The presence of an External Examiner is mandatory. However, in case of difficulty in finding an External Examiner in the required areas of specialization, an additional Internal Examiner may be appointed from other Departments subject to the approval of BPGS.

The Senate is requested to consider and approve the proposal.

Resolution: The Senate discussed the rules regarding M.Tech. Dissertation in details and approved the rules as under:

- Each student shall be given a topic for his Project Phase I and Project Phase II before last date of registration for the third semester and fourth semester respectively.
- BoS shall appoint supervisor(s) for each M.Tech. student immediately after the registration of the third semester i.e. before starting of the examinations of the second semester.
- In addition, co-supervisor(s) from the same Department/other Department may be opted by the supervisor with the approval of the BoS.
- Co-supervisor may be selected from outside the Institute by the supervisor with the approval of the BoS.
- A faculty member appointed as M.Tech. Supervisor is normally expected to be available to the student in the Institute till the thesis is submitted. Whenever a Supervisor leaves the Institute permanently/temporarily, the BoS shall make alternative arrangements for guidance during the supervisor's absence.
- Schedule for Project Assessment and Course Evaluation shall be as per Project Based Course (D type course).
- Students are required to submit one spiral/soft bound copy of the dissertation to the Supervisor at least two week prior to date of defense. Modified/corrected Dissertation should be submitted, to the Committee for examination, at least one week prior to the date of defense.
- The viva-voce is to be conducted under the arrangements of the respective Department.
- If a student does not appear in the viva-voce within the given time period, his/her programme would be deemed to have been terminated. Request for reinstatement in the programme by such student should be addressed to the Chairman, Senate. After the approval from the authority viva-voce may be conducted again. In case student does not appear second time, the thesis submitted by the student shall be rejected.
- After the viva-voce, the modifications suggested if any, by the viva-voce Board, should be incorporated in the Dissertation and then four/five number of hard bound copies and softcopy (preferably PDF on CD/DVD) should be submitted to the Department.
- Final grade reports are to be sent by the panel of examiners to the Academic Section on completion of viva-voce.



- In case panel/committee is not satisfied with the performance in Project Phase I/Project Phase II, KK Grade (Continued) should be awarded and he/she should carry out additional work/modifications etc. as suggested by the panel/committee. Student is required to appear again for assessment before the panel/committee within one month from the date of previous assessment. No grade restriction will be imposed for delayed presentation/re-examination.
- Procedure for awarding grades in Seminar, Project Phase I and Project Phase II shall be Absolute Grade System.
- The composition of Committee for Evaluation is as under:

Project Phase I

- Chairman (HoD)
- Supervisor(s)
- One Internal Examiner

Project Phase II

- Chairman (HoD)
- Supervisor(s)
- One Internal Examiner
- External Examiner*

* The presence of an External Examiner is mandatory. The External Examiner will be from Academia/Industry/Research Organization with expertise in related domain. An External Examiner may evaluate maximum three Dissertations. However, in case of difficulty in finding an External Examiner in the required areas of specialization, an additional Internal Examiner may be appointed from other Departments subject to the approval of BoS.

S. 09.04 Framing the general guidelines for Dissertation for M. Tech students.

*Presently, Institute Ordinances, Rules and Regulations (UG and PG Programme) are silent regarding the general guidelines for Dissertation for M.Tech. students. The general guidelines for Dissertation for M.Tech. students are proposed and attached as **Annexure S09.03**.*

The Senate is requested to consider and approve the proposal.

Resolution: The Senate approved the general guidelines with some modifications. Modified Annexure S09.03 is attached. In addition The Senate recommended that the plagiarism check of the dissertation is mandatory and a certificate of plagiarism check should be given by the concerned supervisor. The format of reference must follow APA style.



FORMAT OF DISSERTATION**Preliminary pages (page i, ii, iii...):**

- Inner Title page
- Certificate
- Acknowledgement
- Abstract
- Table of contents
- List of tables
- List of figures
- List of abbreviations

The main body (pages 1, 2, 3...) is divided as follows:

- Introduction
- Literature Review
- Materials and Methods
- Results and Discussion
- References
- Appendices

DESCRIPTION OF THE DIFFERENT SECTIONS OF A DISSERTATION**General guidelines**

- An established font of 12 Times New Roman and paragraph style must be followed consistently throughout the Dissertation. No hand written Dissertation will be accepted.
- Type 1½ space throughout the text.
- Margins: 38 mm from the left edge of the paper, 25mm from the top, bottom and 25mm right edge for A4 size paper.
- Units and symbols should conform to the international system of units.
- The format of references must follow APA style.

Outer Title Page (As attached)

- Title of Dissertation.
- M. Tech Dissertation.
- Name of student.
- Institute logo
- Place of submission.
- Month and year of submission (Example: May, 2018).

Inner Title page (As attached)

- Title of Dissertation.
- The following statement must also appear: A Dissertation submitted in partial fulfillment of the MASTER OF TECHNOLOGY in ----- (For Example: Specialization).
- Name of student with Roll. No.
- Institute logo
- Place of submission.
- Month and year of submission (Example: May, 2018).



Candidate's Declaration (As attached)

References

The references should be given at the end of the Dissertation preferably in APA style.

Binding

The student should submit the copies of the Dissertation in a fully bound form (soft cover) for evaluation of their Ph. D. After the acceptance of the Dissertation and Viva-voce examination, it is the student's responsibility to get the Dissertation properly bound for depositing the copies in the Department.

Front Cover Color: Blue

Cover Lettering

Front : Embossed in gold

Side : Embossed in gold

Title Page specification (As attached)

- An established font of Times New Roman
- Margins: 38 mm from the left edge of the paper, 25mm from the top, bottom and right edge for A4 size bond paper.
- Title of Dissertation. (16 + Bold & Single Space)
- M.Tech Dissertation (Below the title these words will have 12 + Bold)
- Name of student (12 + Bold)
- Institute logo (1.75" by 1.75")
- Place of submission. (14 + Bold and Single Space)
- Month and year of submission (14 + Bold and Single Space)

Chapter 1 (Font size 22, Times New Roman, Italic, 5cm from top)

Title of the Chapter (Font size 22, Times New Roman, Bold).

Section (Font size 18, Times New Roman, Bold) One line spacing before section title.

Subsection (Font size 14, Times New Roman, Bold) One line spacing before sub section title.

Subsubsection (Font size 12, Times New Roman, Bold) One line spacing before sub section title. Entire write up should be in Times New Roman, Font size 12, with line spacing 1.5 and should be justified.

Page layout – left margin – 3.8cm, top margin – 2.5cm, Bottom – 2.5cm, right margin – 2.5cm.

Pages containing title of the chapters should have top margin – 5cm

Spacing between Chapter No. and chapter title should be 2.5cm (approx. 3 line spacing)

Spacing between Chapter title and text should be 2cm (approx. 2.5 line spacing)

Note: (i) Final Printing should be on a bond paper. (ii) Every Chapter should start from new page (preferably from the right hand side page).



Handwritten signatures in blue and green ink.

M.Tech.
Dissertation

<TITLE>

M. Tech Dissertation

by

<CANDIDATE NAME>

<Name of the Candidate>



<NAME OF THE DEPARTMENT>

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SRINAGAR, PAURI GARHWAL
UTTARAKHAND - 246174

<Month, Year>

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<TITLE>

A Dissertation

*Submitted in partial fulfillment of the
requirements for the award of the degree*

of

MASTER OF TECHNOLOGY

in

<NAME OF THE SPECIALAZION>

by

<NAME OF THE CANDIDATE>

<Roll. No. >

Under the guidance of

<NAME OF THE SUPERVISOR(S)>



<NAME OF THE DEPARTMENT>

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
SRINAGAR, PAURI GARHWAL
UTTARAKHAND – 246174

<Month, Year>

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Henk Le Tuander





NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the Dissertation entitled <TITLE> in partial fulfillment of the requirements for the award of the Degree of Master of Technology and submitted in the Department of <Civil Engineering> of the National Institute of Technology, Uttarakhand is an authentic record of my own work carried out during a period from <Month, Year> to <Month, Year> under the supervision of < Name >, <Designation>, <Name of the Department> National Institute of Technology, Uttarakhand.

The matter presented in this Dissertation has not been submitted by me for the award of any other degree of this or any other Institution.

Name of the Candidate and Signature
Roll. No.:

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Name(s) and Signature(s) of the Supervisor(s)

Date:

S. 09.05 Revision of the leave rules and scholarship rules for M. Tech. Students.

As per Institute's Ordinances, Rules and Regulations

"9.1. Leave rules and scholarship rules for M.Tech. Students:

- (ii) *If a student is absent in even one class/lab, it shall be treated as absent for the whole day."*

However, generally 3 to 4 lectures are scheduled per day for the post graduate students. If a student is absent in one class/lab and remains present in all other classes/labs of the day, he/she is considered absent for the whole day and scholarship amount for that day is deducted, which is unjustifiable.

It is proposed to remove the rule no. 9.1(ii) from the Institute Ordinances, Rules and Regulations.

*In addition, some modifications are also proposed in **Leave rules and scholarship rules for M.Tech. Students**, as under:*

- (a) *Present Rule: "9.1(i) It is mandatory for all the students to attend all the classes (lectures/tutorials/practicals) and labs."*

Be modified as:

"9.1(i) All students must attend every lecture, tutorial and practical class. However, rules regarding attendance shall be as per rule no.3.18."

- (b) *Present Rule: "9.1(iii) Total 30 days leave per calendar year is admissible to the M.Tech. student on pro rata basis @ 2.5 day leave per month. Leave shall be accumulated till the end of the calendar year and carried forward to the next calendar year till completion of M.Tech. programme or up to two years whichever is earlier."*

Be modified as:

"9.1(iii) Total 30 days leave per calendar year shall be admissible to the M.Tech. student, out of which 12 days leave shall be admissible during Autumn Semester and 18 days leave shall be admissible during Spring Semester. This leave shall be treated as Casual Leaves. Leave admissible in semester will not be carried forward to the next semester. This leave shall be applicable for the first four semesters only."

The proposed modifications shall be applicable from the Academic Year 2017-18.

The Senate is requested to consider the proposal and approve the Revision of the Leave rules and scholarship rules for M. Tech. Student.

Resolution: Approved with modifications in rule 9.1 (iii) as under:

9.1(iii) Total 30 days leave per Academic Year shall be admissible to the M.Tech. student, out of which not more than 20 days leave can be availed in a semester. This leave shall be treated as Casual Leaves but with prior approval. Leave admissible in one Academic Year will not be carried forward to the next Academic Year. This leave shall be applicable for the first four semesters only.

S. 09.06 Issues related to the course requirement for Ph. D Programme.

As per Institute's Ordinances, Rules and Regulations for Ph.D. rule 3.1, "Candidate registered for Ph. D. Programs shall be required to complete two Audit courses of four-credit each as XXL601 (Communication skill) and XXL602 (Research Methodology). Candidates having a M.Sc/M.A. or equivalent degree are required to complete a minimum of 24 credits. Relaxation up to 12 credits in the course work can be considered for those with M.Phil. Degree. M.Tech. or equivalent degree holders are required to complete a minimum of 12 credits."

Institute started Ph.D. programme from Spring Semester 2014. Eleven Ph.D. scholars (07 full time and 04 part time) were enrolled. However, Departments could not design and offer any 600 level courses. Therefore, for no fault of enrolled Ph.D. Scholar, they could not fulfill the requirement of audit courses as per the Ordinances.

Some Ph.D. scholars have completed Audit courses of 400 level in Research Methodology and/or Communication skill, whereas as per the Ordinances, the requirement was of 600 level courses.

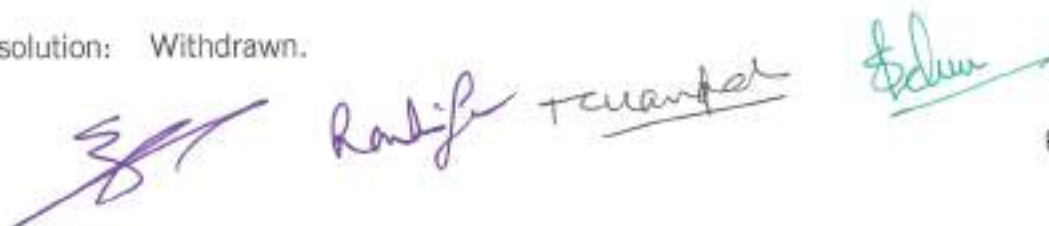
It is also observed that some students have completed a minimum requirement of 24/12 credits by doing 400 level credit courses in Research Methodology and/or Communication skill.

Now, to resolve the above issue, it is proposed that:

- (i) Syllabus of two Audit courses namely XXL601 (Communication skill) and XXL602 (Research Methodology) shall be prepared by the Department of Sciences and Humanities with slightly different titles and have it approved from BoS and Senate. These courses shall be offered in Summer Term 2017 for the Ph.D. scholars enrolled in 2014 to 2016 to fulfill their Audit courses requirement as per Ordinances.*
- (ii) The courses so offered in XXL601 (Communication skill) and XXL602 (Research Methodology) may have syllabus with more than 60% overlap with existing 400 level courses of respective title, which the enrolled Ph.D. scholars have already undergone as credit course. Therefore, to complete their requirement of 24/12 credits, some other courses are required to be offered by the respective Department in Summer Term 2017 for those scholars who have already completed the requirement of 24/12 credits by doing 400 level courses offered in Research Methodology and/or Communication skill, as same course cannot be considered against credit requirement.*

The Senate is requested to consider and approve the proposal.

Resolution: Withdrawn.



S. 09.07 Revision of rates of Ph.D. Scholarship.

*Guidelines regarding revision of rates of Ph.D. scholarship and other service conditions have been received from Department of Higher Education, Ministry of Human Resource and Development vide Letters F.No.17-2/2014-TS.I, dated 18th February, 2015 and 2nd March, 2015.(Letters attached as **Annexure S09.04**)*

It is proposed to implement the guidelines received vide above mentioned letters for Full Time Ph.D. scholars admitted in the Institute.

The Senate is requested approve implementation of the proposal.

Resolution: The Senate granted Ex-Post Facto approval for revision of rates of Ph.D. scholarship as well as M.Tech. scholarship. The same may be ratified in the Finance Committee meeting. Keeping in view the quality of research outcome, the Senate resolved that GATE/NET qualified candidates should only be considered for admission to Ph.D. programme from Academic Year 2017-18.

S. 09.08 Provision to offer Ph. D. Programme for Project Staff of the Institute.

*In pursuance to Para 5 of MHRD, Department of Higher Education letter F.No.17-2/2014-TS.I dated 18th February, 2015 (**Annexure S09.04**), to encourage the project staff or JRF/SRF for higher degree, it is proposed to register project staff or JRF/SRF for Ph.D. programme in the Institute.*




The rules for admission of project staff or JRF/SRF for Ph.D. programme shall be as follow:

- (i) The project staff or JRF/SRF who satisfies the eligibility qualification may be considered for admission to the Ph.D. programme as part time scholar.*
- (ii) The selection procedure shall be same as for full time Ph.D. programme.*
- (iii) The other rules and regulations regarding attendance, fees, course work, degree requirement etc. shall be same as applicable for the part time Ph.D. Scholars as mentioned in Ordinances, Rules and Regulations for Ph.D.*
- (iv) The tuition fee may be reimbursed to the scholar from the contingency grant sanctioned under the project.*

The Senate is requested to consider and approve the above proposal.

Resolution: The Senate approved the rules for admission of Project Staff or JRF/SRF in Ph.D. programme as under:

- (i) The Project Staff or JRF/SRF who satisfies the eligibility criteria as per Institute norms may be considered for admission to the Ph.D. programme as part time scholar.*
- (ii) The selection procedure for them shall be same as for the part time Ph.D. programme.*
- (iii) The other rules and regulations regarding fees, course work, degree requirement etc. shall be same as applicable for the part time Ph.D. scholars as mentioned in Ordinances, Rules and Regulations for Ph.D.*

- (iv) In case of termination/completion of the project before 5 years, the Project Staff may be converted to full time Ph.D scholar provided the Project Staff have had an experience of minimum two years in the same project. This migration from part time to full time Ph.D. programme will not be an automatic process but will be based on the recommendations of the RPC. The scholarship as per MHRD norms then shall be paid to the scholar for the remaining period.

S. 09.09 Revision of the number of seats in each discipline.

Ministry of Human Resource Development, Department of Higher Education has communicated vide his letter F.No.35-1/2014-TS.III dated 17th February, 2017, asking the Senate to revise the number of seats in each discipline in the Institution based on review of the vacant seats for the last three years, available employment opportunities, the national requirements, available infrastructure/ faculty and scope for future.

*In this regard, details of vacant seats of last three years are attached as **Annexure S09.05**. As number of admissions in the each year since 2013 through JoSAA are more than 73% in each discipline. It is proposed that the total numbers of sanctioned seats may be kept same.*

The Senate is requested to consider and approve the proposal.

Resolution: Approved.

S. 09.10 Revision of Attendance Rule.

As per Institute Ordinances rule 3.18.8(1), relaxation in attendance will be permissible on loss of classes on account of participation in inter NIT, state or country level sports event(s), subject to the limit of 5% of the total classes engaged in the specific course. The relevant record about student's participation for this purpose, as authenticated by the Sports section will be considered for the purpose of the above mentioned relaxation in attendance.

The rule only permits students for sports activities. In case, if Institute promotes the students for its representation in various activities other than sports, it is proposed that they may also be given relaxation in attendance subject to the limit of 5% of the total classes engaged in the specific course. The same may be authenticated by the concerned Department/Section.

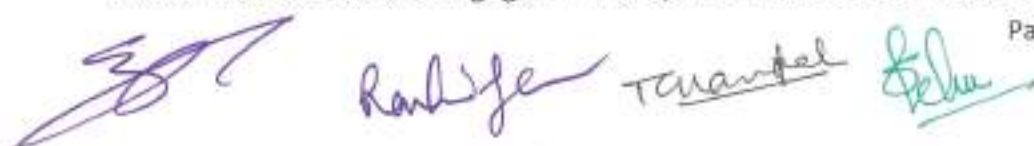
Therefore the proposed modified rule is as under:

Rule 3.18.8(1) loss of classes on account of participation in inter NIT, state or country level sports events and Institute/Ministry promoted events, subject to the limit of 5% of the total classes engaged in the specific course. The relevant record about student's participation for this purpose, as authenticated by the concerned Department/Section will be considered for the purpose of the above mentioned relaxation in attendance.

The Senate is requested to consider the proposal and approve the Revision in Attendance Relaxation Rule.

Resolution: The Senate approved the Rule 3.18.8(1) as under:

Rule 3.18.8(1) loss of classes on account of participation in inter NIT, state or country level sports events and Institute/Ministry promoted events, subject to the limit up to 5% of the total classes engaged in the specific course, over and above the requirement



of minimum attendance. The relevant record about student's participation for this purpose, as authenticated by the concerned Department/Section will be considered for the purpose of the above mentioned relaxation in attendance.

S. 09.11 Increase of annual intake of Ph.D. scholars.

As approved in the fifth meeting of the BoG (item 05.09), Institute has started Ph.D. Programme from Spring Semester 2014 with annual intake of 10 seats.

At present there are 22 Faculties having Ph.D. Degree. Keeping in view the research growth of the Institute, it is proposed to increase the annual intake of Ph.D. Scholars from 10 seats to 25 seats.

The Senate is requested to consider and approve the proposal.

Resolution: The Senate resolved that a committee may be formed by the Chairman Senate to holistically look in to this issue and frame the criteria for the same, keeping in view the budget implications, lab infrastructure and hostel accommodation.

S. 09.12 Nomination of two faculty members to the Board of Governors.

As approved in the first Senate meeting held 26th May, 2013, two representatives from amongst the faculty are to be nominated on the Board of Governors by the Senate.

Following faculty members are proposed to be nominated on the Board of Governors as representative, from amongst the faculty of the Institute, for the period of one year:

- 1. Dr. Navjot Singh, Assistant Professor, Deptt. of CSE.*
- 2. Dr. Anshul, Assistant Professor, Deptt. of MEC.*

The Senate is requested to consider and approve the proposal.

Resolution: The Senate deliberated upon the criteria of nomination of two faculty members to the Board of Governors as approved in the first meeting of the Senate vide Agenda item S.01.05. In addition to previously approved criteria, Senate considered the pending disciplinary actions/Departmental Enquiry as an additional criteria and nominated following faculty members to the Board of Governors for a period of one year:

1. Dr. Renu Bhadola Dangwal, Assistant Professor, Department of Sciences & Humanities.
2. Dr. Indrajit M Nagpure, Assistant Professor, Department of Sciences & Humanities.



S. 09.13 Ratification of notes approved by the Chairman Senate.

Some urgent issues as listed below were discussed with the Chairman, Senate and his approvals were obtained. The details of approvals are as under and enclosed as **Annexure S09.05.**

S. No.	Name of the Noting
1.	Format of Semester wise report card for Ph.D. Scholars.
2.	Format of Semester wise Report Card of M.Tech. Students.
3.	Regarding Institute Identity Number of the students.
4.	Approval for updated semester wise report card.

The Senate is requested to ratify the same.

Resolution: Ratified.

S. 09.14 Any other item with the permission of Chairman, Senate.

Following items were discussed as Table Agenda with the permission of the Chair.

S. 09.14 (A) Additional rule for the Make-up Examination.

As per Institute Ordinances, Rules and Regulations 2.11.1.4, "students who remain absent for Sessional Examinations/End Semester Examination shall be permitted to appear for make-up examination." The facility of Make-up Examination is provided to the students to take care for absenteeism due to emergencies like hospitalization, job interviews etc.

It has been observed that most of the students are misusing this facility by intentionally skipping the Sessional Examination/End Semester Examination. Some statistics are as under:

Semester	Total no. of students enrolled	No. of students appeared for Make-up Exam.
Autumn Semester-2015	840	257
Spring Semester-2016	832	317
Autumn Semester-2016	1034	332

It is proposed to restrict the facility of Make-up Examinations to two semesters for UG and one semester for PG programme, i.e. twice for B.Tech. and once for M.Tech./Ph.D. in the duration of the programme. This rule shall be applicable from Academic Year 2017-18 onwards.

The Senate is requested to consider and approve the proposal.

Resolution: The Senate deliberated upon the issue of Make-up examination at length and resolved as under:

- (i) In case of absenteeism, to avail the facility of Make-up examination, a student is required to submit an application with valid justification within three days of the end of the End Semester examinations. However, in case of absenteeism due to



medical reasons, a medical certificate issued by the Institute's Medical Officer shall only be entertained.

S. 09.14 (B) New Format of Final Grade Card and Degree Certificate.

To give the opportunity to the students for improving GPA for award of Degree and hence encourage additional learning, implementation of Degree Grade Point Average (DGPA) from Academic Year 2016-17 has been approved by the Senate in its Sixth meeting (item S.06.03).

It was also resolved that "Grade card will indicate CGPA as well as DGPA; However, Degree Certificate will indicate only DGPA."

In compliance to the implementation of DGPA from Academic Year 2016-17, new format of Final Grade Card and Degree Certificate have been prepared and attached as Annexure S09.07 and Annexure S09.08 respectively.

The Senate is requested to approve the new formats of Final Grade Card and Degree Certificate.

Resolution: Approved.

S. 09.14 (C) Format of Degree Certificate indicating Minor Area.

As per Institute Ordinances, Rules and Regulations;

Rule 4.10.1, "A set of pre-defined courses of total 20 credits in a focus area comprises a Minor Area. A student can use Open Category (OC) credits to complete the specific requirements" and

Rule 4.10.3, "Registration for Minor Area is not mandatory. If a student succeeds in completing the requirements during his/her stay in the Institute, then the Minor Area will be mentioned in the Degree Certificate"

In compliance to the Institute Ordinances, Rules and Regulations 4.10, A format of Degree Certificate indicating Minor Area has been prepared and attached as Annexure S09.09.

The Senate is requested to approve the format of Degree Certificate indicating the Minor Area.

Resolution: Approved.

S. 09.14 (D) New Course on Innovation and Design.

As approved in the Sixth Senate meeting and extension given in the Eighth Senate meeting, it was proposed to implement two Courses as "Introduction to Engineering" Compulsory Zero Credit Course in 1st Semester and "Product Realization" Two Credit Course in 2nd Semester from Autumn Semester 2017 only after the finalization of syllabus and course structure.



Department of Mechanical Engineering has prepared the syllabus and structure of a Course titled "Product Realization (MEP102)", which is also recommended in their Board of Studies (BoS). (BoS recommendations attached as Annexure S09.10).

Department of Electronics Engineering has prepared the syllabus and structure of a Course titled "Introduction to Engineering (ECB101)", which is also recommended in their Board of Studies (BoS). (BoS recommendations attached as Annexure S09.11).

The corresponding change in the Institute Ordinances, Rules and Regulations; Rule 4.1.1 for credits distribution of for the B. Tech. is as follow:

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

The Senate is requested to approve the addition of two new Courses as "Introduction to Engineering" & "Product Realization" and also approve the new total credits distribution of the total credit requirement for the B. Tech.

Resolution: Approved.

S. 09.14 (E) Modification in rules for calculation of DGPA.

As per Institute Ordinances, Rules and Regulations 2.10.3 (b) in Point iii, Best (Higher grades) Departmental Elective, totaling to 25 to 27 credits shall be considered for calculation of DGPA.

It has been observed that some students are taking all Department Electives of 3 credits each or 4 credits each, to complete the requirement of 25 Credits. If a student takes all 3 credits Departmental Elective Course, he/she will earn 27 Credits, and if student takes all 4 credits Departmental Elective Course, he/she will earn 28 Credits to complete the Departmental Electives.

It is proposed to modify Institute Ordinances, Rules and Regulations 2.10.3 (b) in Point iii, as "Best (Higher grades) Departmental Elective, totaling to 25 to 28 credits."

The Senate is requested to approve the proposed modification.

Resolution: Approved.

S. 09.14 (F) To consider the case of Mr. Rohit Kumar Patel who has completed same zero credit Course twice.

As per the letter received from HoD (Civil Engg.), Mr. Rohit Kumar Patel, Roll No. BT13CIV017 has completed the zero credit course, Literature Review and Paper Writing (CED 301) twice, firstly during Autumn Semester 2015 and secondly during Spring Semester 2016.

It is proposed to consider his grades of one semester only i.e. Autumn Semester 2015 for calculation of Degree requirement.

The Senate is requested to consider the proposal.

Resolution: Withdrawn.

S. 09.14 (G) To approve the minutes of the 2nd meeting of the Board of Studies (BoS) of Department of Sciences and Humanities, NIT Uttarakhand.

Minutes of the 2nd meeting of the Board of Studies (BoS), of Department of Sciences and Humanities, NIT Uttarakhand held of 8th May 2017 are attached as Annexure S09.12.

The Senate is requested to approve the same.

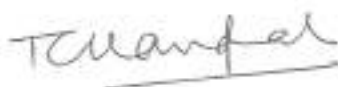
Resolution: The Senate resolved that the course structure of all the proposed courses must be revised again. The revised course structure of HML601 Communication Skills and HML602 Research Methodology may be approved by the Chairman senate while the remaining proposed courses, after due revision shall be placed before the Senate.

Prof T.C.Kandpal made a request to the Chair to relieve him from the responsibilities of being as a member of the Senate of the Institution due to personal reasons.

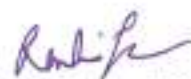
The meeting ended with vote of thanks to the Chair.



(Col. Sukhpal Singh)
Secretary



(Prof. T.C. Kandpal)
Member



(Prof. Rashmi Gaur)
Member



(Dr. Satish Kumar)
Chairman