

# Tenth Meeting of the Senate National Institute of Technology, Uttarakhand

Date: 09<sup>th</sup> January, 2018

Time: 04:00 PM

Venue: Committee Room, NIT Uttarakhand

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Registrar  
Secretary, Senate

## Tenth Meeting of Senate of NIT, Uttarakhand

### Agenda Items

#### **S. 10.01      Confirmation of the Minutes of the Ninth meeting of the Senate**

The minutes of the Ninth meeting of the Senate held on 13<sup>th</sup> May, 2017 are enclosed as **Annexure S10.01**.

The Senate is requested to confirm the Minutes.

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

**MINUTES OF THE 9<sup>th</sup> MEETING OF THE SENATE HELD ON 13<sup>th</sup> May, 2017.**

The Ninth meeting of the Senate was held at the Committee Room of the Institute at 06:00 PM on 13<sup>th</sup> 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 13<sup>th</sup> 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.*





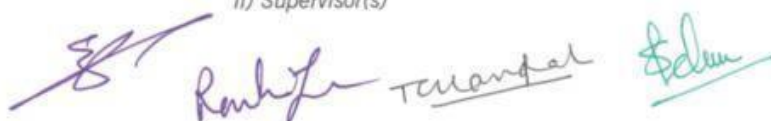
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Following rules are proposed for M. Tech. Dissertation:

- 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)



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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.

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- 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\*

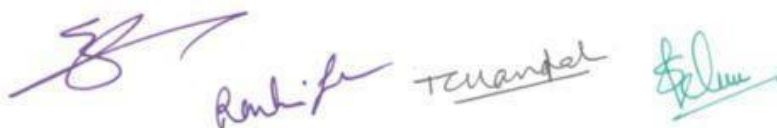
\* The presence of an External Examiner is mandatory. The External Examiner will be from Academia/Industry/Research Organization with expertise in related domain. An External Examiner may evaluate maximum three Dissertations. However, in case of difficulty in finding an External Examiner in the required 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

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#### **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).

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M.Tech.  
Dissertation

<Name of the Candidate>

<Month  
Year>

<TITLE>

M. Tech Dissertation

by

<CANDIDATE NAME>



<NAME OF THE DEPARTMENT>

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

<Month, Year>

Harsh J. Tawanda

Page 7 of 19

<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>

Page 8 of 19

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## 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 18<sup>th</sup> February, 2015 and 2<sup>nd</sup> 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 18<sup>th</sup> 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.*

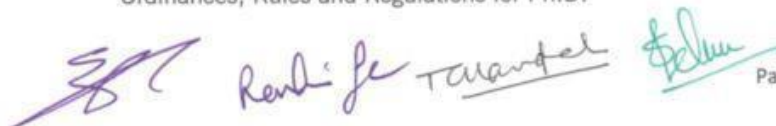
*The rules for admission of project staff or JRF/SRF for Ph.D. programme shall be as follow:*

- (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.

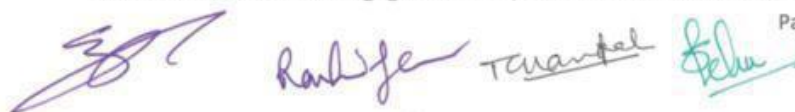
Therefore the proposed modified rule is as under:

**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



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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 26<sup>th</sup> 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



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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 1<sup>st</sup> Semester and "Product Realization" Two Credit Course in 2<sup>nd</sup> Semester from Autumn Semester 2017 only after the finalization of syllabus and course structure.*



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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)
<b>1</b>	<b>UG Core</b>	<b>UC</b>	<b>106</b>
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
<b>2</b>	<b>UG Elective</b>	<b>UE</b>	<b>54</b>
2.1	Departmental Electives	DE	25 (minimum)
2.2	Humanities, Social Sciences, Management	HM	6 (minimum)
2.3	Open Courses	OC	23 (balance)
<b>3</b>	<b>Non Credit Requirement</b>	<b>UN</b>	<b>0 (6 Courses)</b>
<b>4</b>	<b>TOTAL REQUIREMENT</b>		<b>160(Minimum)</b>

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 2<sup>nd</sup> meeting of the Board of Studies (BoS) of Department of Sciences and Humanities, NIT Uttarakhand.**

*Minutes of the 2<sup>nd</sup> meeting of the Board of Studies (BoS), of Department of Sciences and Humanities, NIT Uttarakhand held of 8<sup>th</sup> 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.

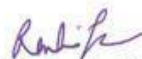
The meeting ended with vote of thanks to the Chair.



(Prof. T.C. Kandpal)  
Member



(Col. Sukhpal Singh)  
Secretary



(Prof. Rashmi Gaur)  
Member



(Dr. Satish Kumar)  
Chairman

**S. 10.02 Actions Taken Report**

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

<b>Agenda Item No.</b>	<b>Agenda Item</b>	<b>Action Taken</b>
S. 09.03	Framing of rules for M. Tech. Dissertation	Implemented
S. 09.04	Framing the general guidelines for Dissertation for M. Tech students	Implemented
S. 09.05	Revision of the leave rules and scholarship rules for M. Tech. Students	Implemented
S. 09.07	Revision of rates of Ph.D. Scholarship	Implemented
S. 09.08	Provision to offer Ph. D. Programme for Project Staff of the Institute	Implemented
S. 09.09	Revision of the number of seats in each discipline	Noted
S. 09.10	Revision of Attendance Rule	Implemented
S. 09.11	Increase of annual intake of Ph.D. scholars	Process initiated
S. 09.12	Nomination of two faculty members to the Board of Governors	Implemented
S. 09.14 (A)	Additional rule for the Make-up Examination	Implemented
S. 09.14 (B)	New Format of Final Grade Card and Degree Certificate	Noted for implementation
S. 09.14 (C)	Format of Degree Certificate indicating Minor Area	Noted for implementation
S. 09.14 (D)	New Course on Innovation and Design	Implemented
S. 09.14 (E)	Modification in rules for calculation of DGPA	Noted for implementation
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	Noted

**S. 10.03      Ratification of notes approved by the Chairman Senate**

Some urgent issues were discussed with the Chairman, Senate and his approvals were taken in related matters. The list of approvals taken are as under and details are enclosed as **Annexure S10.02**.

<b>Sr. No.</b>	<b>Name of the Noting</b>
1.	To withheld the implementation of DGPA
2.	Minor Degree Subjects of various Departments
3.	Approval for Ph.D. courses HML601 and HML602 to run in Summer Term 2017
4.	B.Tech Second Year Branch change
5.	M.Tech First Year Specialization change
6.	Increase in Earned Credits for B.Tech. 2013 batch students due to DGPA
7.	Ph.D. registration of students
8.	Revised Time Table w.e.f. 30.08.2017
9.	Approval of Mr. Rohit Kumar for extention of time to complete the Ph.D. course work
10.	Academic Calendar for Spring Semester 2018
11.	Resignation of Project Assistant from Project to join UGC JRF Fellowship
12.	Revised Time Table with effect from Spring Semester 2018
13.	Nomination of Members for Board of Undergraduate Studies (BUGS) and Board of Postgraduate Studies (BPGS)

The Senate is requested to ratify the same.



## Note

Date: 25.07.2017

1194

Sub: To withheld the implementation of DGPA

As approved in the sixth meeting of the Senate (item S. 06.03) held on 21st February, 2016, DGPA is required to be implemented from the Academic Year 2016-17. Details attached as Annexure-I. In this regard, all the process has been completed successfully and registration of courses has been done accordingly from Autumn Semester 2016.

As per the resolution of 13th BoG meeting (Item BoG 13.11) held on 27th June, 2017, BoG desired that Senate to review the item S. 09.14 (B) and S. 09.14(E) of the ninth meeting of the Senate. Both the items are related to DGPA.

As the Grade Cards and Provisional Degree Certificates are required to be issued to the students who have completed all the requirements for being eligible of award of B.Tech. Degree and no Senate meeting is likely to be scheduled in the coming week/month, it is proposed to withheld the implementation of DGPA from Academic Year 2016-17 and issue the Grade Card, Provisional Degree Certificate and other certificates to the students in the same formats as issued in the previous Academic Year.

As desired by the BoG, the matter regarding implementation of DGPA shall be reviewed in the ensuing Senate meeting.

The Chairman Senate is requested to consider the matter and approve the same.

*Dr. Navjot Singh*  
25/07/17

Dr. Navjot Singh  
Associate Dean (Acad.)

Registrar:

In view of the resolution of BoG in the 13<sup>th</sup> meeting on this issue, it is proposed to withhold the implementation of DGPA for academic Year 2016-17. Permission may be granted to issue Grade Cards, Provisional Degree Certificates and other certificates in the same format as it was being issued in the previous Academic Years.

*[Signature]*  
25/07

DIRECTOR &  
Chairman Senate

Approved by e-mail  
Date 26/7/17

Note

Date: 25.07.2017

Subject: To withhold the implementation of DGPA

As approved in the sixth meeting of the Senate (Item S. 06.03) held on 21st February, 2016, DGPA is required to be implemented from the Academic Year 2016-17. Details attached as Annexure-I. In this regard, all the process has been completed successfully and registration of courses has been done accordingly from Autumn Semester 2016.

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As the Grade Cards and Provisional Degree Certificates are required to be issued to the students who have completed all the requirements for being eligible of award of B.Tech. Degree and no Senate meeting is likely to be scheduled in the coming week/month, it is proposed to withhold the implementation of DGPA from Academic Year 2016-17 and Issue the Grade Card, Provisional Degree Certificate and other certificates to the students in the same formats as issued in the previous Academic Year.

As desired by the BoG, the matter regarding implementation of DGPA shall be reviewed in the ensuing Senate meeting.

The Chairman Senate is requested to consider the matter and approve the same.

  
25/07/17

Dr. Navjet Singh  
Associate Dean (Acad.)

Registrar:

In view of the resolution of BoG in the 13<sup>th</sup> meeting on this issue, it is proposed to withhold the implementation of DGPA for academic Year 2016-17. Permission may be granted to issue Grade Cards, Provisional Degree Certificates and other certificates in the same format as it was being issued in the previous Academic Years.



DIRECTOR &  
Chairman Senate

**S. 06.03**

**Agenda:**

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

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

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

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

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

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

**S. 06.04 Constitution of Academic Performance Monitoring and Advisory Committee (APMAC).**

**Agenda:**

Ordinances, Rules and Regulations (UG and PG Programme) vide clause 4.5 provides to identify students for Performance Monitoring and Load Restriction. The load restriction is regularly implemented, however, no monitoring/advisory committee has been formulated. It has been observed that the student with SGPA 4.00 or below and CGPA below 6.00 need proper guidance for further improvement in their performance. It is proposed that Academic Performance Monitoring and Advisory Committee be constituted, which shall include Institute Counselor, as a member to help such students overcome their deficiencies.

It is proposed to include additional clause 4.5.3 as under:

**"4.5.3 Academic Performance Monitoring Advisory Committee (APMAC).**

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

**APMAC shall consist of:**

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

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

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



19. Withdrawal of Associate Deanship (Examination) and creation of Associate Deanship (Estate).
20. Approval regarding appointment of Dean (Estate).

Resolution: Ratified.

**BoG 13.10** Item for information.

**Agenda:** 1-Legal Cases  
16 writ petitions were filed in Hon'ble High Court of Uttarakhand and Delhi against the Institute. Status of all legal cases are enclosed as Annexure BoG 13.07.

2- Intimation regarding appointments made at the Institute  
Details are enclosed as Annexure BoG 13.08.

Resolution: Noted.

**BoG 13.11** To note and approve the minutes of Senate.

Resolution: Noted and Approved except point no 09.14 (B) and 09.14 (E). The Board desires that Senate to review the same.

**BoG 13.12** To note and approve the minutes of Finance Committee.

Resolution: Noted and Approved.

**BoG 13.13 (a)** Regarding judgment issued by the Hon'ble High Court of Uttarakhand in favour of Mr. Manoj Kumar.

**Agenda:** Mr. Manoj Kumar filed a Writ Petition No.2048 of 2016 at Hon'ble High Court of Uttarakhand for "issue a writ, order or direction in the nature of mandamus commanding the respondent no.2 (NIT Uttarakhand) to give appointment to the petitioner of the selection process". Against which Institute has filed counter affidavit.

Judgment in the said Writ petition was issued by the Hon'ble High Court on dated 28/03/2017 with a version that "since one post is lying vacant, the concerned respondent is directed to offer appointment to the petitioner against that vacant post within a period one month from today with all consequential benefits". Copy of Judgement is enclosed as Annexure I.

Institute had advertised the Advertisement No.1/2014 on dated 24/08/2014 for the post of Non-Teaching staff including Junior Assistant the total 1020 forms were received for the post of Junior Assistant. On the basis of scrutiny total 389 candidates were shortlisted in normal category and 48 were shortlisted under specified category i.e. those who were granted age relaxation. On the basis of Written Test held on 15/10/2014, total 11 candidates (10 General category and 01 OBC category) were successful to appear in the Personal Interview.

Mr. Manoj Kumar having application No.JA/554 shortlisted under specified category (as OBC candidate) and only candidate who was in the Personal Interview panel against the two posts embarked for the OBC category in the mentioned advertisement. Mr. Manoj Kumar was not recommended for appointment by the Selection Committee.

**Subject: Regarding Approval for courses of Minor Area in Various Departments.**

The lists of courses, having more than total 40 credits, have been received by respective HoDs for Minor Area in their departments. A set of predefined course of total 40 credits in a focus area is required for Minor Area. It is proposed that the following list of the courses may be permitted for Minor Area in respective departments effective from Autumn Semester-2016.

**Department of Computer Science and Engineering**

Sl. No.	Course Code	Course Name	Credit
1.	CSL 201	Data Structure and Program Design*	8
2.	CSC202	Computer Organization*	8
3.	CSC204	Introduction to Object Oriented Methodology**	8
4.	CSC302	Operating System*	8
5.	CSC303	Computer Networks***	8
6.	CSC305	Database Management Systems***	8
7.	CSC301	Theory of Computation	8
8.	CSC308	Analysis of Algorithms	8

**Department of Electronics Engineering**

Sl. No.	Course Code	Course Name	Credit
1.	ECL 201	Electronic Circuits	8
2.	ECL 202	Digital Circuits	8
3.	ECL 203	Signals and Systems	8
4.	ECL 204	Analog Communication	8
5.	ECL 205	Electromagnetic Waves	8
6.	ECL 206	Electronics Materials and Devices	8
7.	ECL 301	Linear Integrated Circuits	8
8.	ECL 302	Digital Communication	8
9.	ECL 303	Microwave & Antennas	8
10.	ECL 304	Digital Signal Processing	8
11.	ECL 305	Microcontroller and Interfacing	8

**Department of Electrical Engineering**

Sl. No.	Course Code	Course Name	Credit
1.	EEL 203	Electrical Machines	8
2.	EEL 301	Power System	8
3.	EEL 303	Power Electronics	8
4.	EEL 302	Control System	8
5.	EEL 309	Electric Drives	8
6.	EEL 401	Switch Gear & Protection	8
7.	EEL 202	Basic Electrical Circuits	8
8.	EEL 205	Measurement and Instrumentation	8

**Department of Civil Engineering**

Sl. No.	Course Code	Course Name	Credit
1.	CEL 202	Fluid Mechanics	8
2.	CEL 201	Strength of Material	8
3.	CEL 204	Building Material and Construction Technology	8
4.	CEL 301	Structural Analysis-I	8
5.	CEL 302	Geotechnical Engineering-I	8
6.	CEL 418	Estimation and Costing	8
7.	CEL 402	Transportation Engineering	8
8.	CEL 307	Design of RCC Structure	8

*AS*  
13/14



Department of Mechanical Engineering

Sl. No.	Course Code	Course Name	Credit
1.	MEL 201	Mechanical Behaviour of Materials	8
2.	MEL 202	Engineering Thermodynamics	8
3.	MEL 203	Fluid Mechanics	8
4.	MEL 204	Solid Mechanics	8
5.	MEL 205	Kinematics of Machines	8
6.	MEL 207	Casting Welding and Forming	8
7.	MEL 301	Applied Thermodynamics	8
8.	MEL 302	Fluid Machines	8

Approval may be granted for the same.

Director:-

Mr. 13/4

Associate Dean (Acad.)

Note

**Sub:** Approval regarding offering of Two Six level courses "Communication Skills (HML601) & Research Methodology (HML602)" in Summer Term-2017.

Two six level Courses entitled "Communication Skills (HML601) & Research Methodology (HML602)" which were approved in the 2<sup>nd</sup> meeting of the BoS which held on 8<sup>th</sup> May, 2017. These two courses were placed in the senate for further approval and ratification. As per the resolution of Senate which was held on 13<sup>th</sup> May 2017, the revision of the said courses was made by Internal members and External BoS member of the Department. The previous and revised syllabus of the courses "Communication Skills & Research Methodology" are attached herewith for your kind consideration.

Therefore, it is kindly requested to approve the above said revised courses and permission may also be granted to offer these courses in Summer Term-2017.

*[Signature]* 22/05/17  
Dr. I. M. Nagpure  
Chairman BoS, (Sciences & Humanities)

To,  
Associate Dean (Academics)

*Approval may be granted to offer new revised courses as attached in Annexure - In Summer term - 2017.*

*[Signature]*  
23/5/17 (A.K. Anubhai)

Registrar: - *[Signature]*

AR (Acad) (for comments)

1. As discussed in the 4<sup>th</sup> meeting of the Senate, New course proposed by any department may be circulated to All other departments for comments.
2. comments/consent of all the BoS members required to be attached with the Note sheet.

*[Signature]*  
24/05/17

Registrar: - kindly circulate to all departments and encourage / request them to render useful comments and their consent. The consent of BoS members is also required. Once obtained; then process again for Chairman Senate's approval.

HoD (SH)

*[Signature]* 24/05

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Page



- 1) The course syllabai are revised as per the suggestions, comments recieved from External-BOS member of the Department. The consent recieved from External-BOS members are also attached herewith.
- 2) The syllabai of the courses were <sup>also</sup> circulated to all HODs of the Institute. The comment recieved from HOD(CSE) has been also incorporated in the syllabus. Submitted for further process.

29/05/2017  
(CIM Nagpure)

Registrar & Secy Senate

As per Senate minutes 509.14(G), the revised course structure of HML601 and HML602 were due for approval by the Hon'ble Chairman Senate.

The same are placed for your approval after due revision.

29/05  
Secy Senate.

Chairman Senate

Approved by e-mail  
Date 31/05/2017 (4:56 PM)

To,  
Academic Section (For Record)

**Sub: Approval for change of B.Tech. Branch for 2016 Batch in 2<sup>nd</sup> year**

Applications from B.Tech. 2<sup>nd</sup> year students have been received for change of branch (applications attached). Branch may be changed subject to the condition that

a) A student is eligible to apply for change of discipline at the end of first year only, provided he/she satisfies the following criteria:

i) CGPA = 7.50

ii) Earned credits at the end of first academic session:  $\geq 40$

b) Change of discipline will be permitted strictly in order of merit as determined by their CGPA at the end of first year subject to the limitation that the actual number of students in the third semester in the discipline to which the transfer is to be made, should not exceed the sanctioned strength.

c) For a student with CGPA 9.5 or more, even if a vacancy does not exist, he/she will be permitted to change provided the strength in the discipline to which the change is being sought does not exceeds by 5% of the approved strength.

It is proposed that the following change of branch may be permitted:

Sr. No.	Name of the Student	Allocated Branch by JoSAA-2016	CGPA at the end of first year	Changed Branch
1.	Barkha Maheshwari	Electronics Engineering	9.88	Computer Science and Engineering
2.	Ayushi Agarwal	Electronics Engineering	9.76	Computer Science and Engineering
3.	Shreya Kumari	Electrical Engineering	9.64	Computer Science and Engineering
4.	Chetan Sharma	Civil Engineering	9.45	Electrical Engineering
5.	Arvind Negi	Electrical Engineering	9.36	Computer Science and Engineering
6.	Rahul Goswami	Mechanical Engineering	9.07	Computer Science and Engineering
7.	Snigdha Agarwal	Electronics Engineering	9.05	Computer Science and Engineering
8.	Ayush Rastogi	Electronics Engineering	8.93	Computer Science and Engineering
9.	Ayush Jaiswal	Electronics Engineering	8.90	Computer Science and Engineering
10.	Amit Kishor Raturi	Electrical Engineering	8.86	Computer Science and Engineering
11.	Govind Bajpai	Mechanical Engineering	8.83	Electronics Engineering
12.	Kunal Rai	Mechanical Engineering	8.50	Computer Science and Engineering
13.	Ajay Malik	Electrical Engineering	8.43	Computer Science and Engineering
14.	Manju Lata Upadhyay	Electronics Engineering	8.43	Computer Science and Engineering
15.	Sohan Kathait	Mechanical Engineering	8.24	Computer Science and Engineering
16.	Raja Omar	Mechanical Engineering	8.19	Electronics Engineering
17.	Aditya Kumar	Electronics Engineering	7.86	Computer Science and Engineering

Keeping in view the loss of their attendance, their attendance in new branch may be counted from 10.08.2017. Approval may be granted for the same.

*Dr. Navjot Singh*  
10/08/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar: — Recommended for approval  
DIRECTOR  
10/8/17



# National Institute of Technology, Uttarakhand

## Note

Date: 04.08.2017

### Sub: Approval for change of M.Tech. Specialization 2017

Applications from M.Tech. students have been received for change of specialization (applications attached). Specialization may be changed subject to the condition that the maximum strength in a specialization shall not exceed ten. It is proposed that the following change of specialization may be permitted:

Sr. No.	Name of the Student	Allocated Specialization by CCMT-2017	Candidate Category	Allocated category by CCMT-2017	Changed Specialization	Allocated Category
1.	Sourav Yadav	Transportation Engineering	OB	OB	Structural Engineering	OC
2.	Vikas Sundriyal	Transportation Engineering	OC	OC	Structural Engineering	OC
3.	Gaurav Verma	Manufacturing Technology	OB	OB	Machine Design	OC
4.	Komal Mishra	Communication Systems	OC	OC	Microelectronics and VLSI Design	OC
5.	Abhay Mishra	Computing Systems	OC	OC	Artificial Intelligence	OC

The above change of specialization is based on seat matrix approved on dated .18.01.2017 (copy attached).

Approval may be granted for the same.

*Dr. Navjot Singh*  
04/08/2017

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar :- Recommended for approval *[Signature]* 14/8

DIRECTOR *[Signature]*  
22/8/17




# Annexure I


Date: 17/01/2017

Total no. of seats in each Department is distributed in different categories as per reservation norms in the below table and shall be routed between various categories to maintain overall reservation over a long time.

Sl. No.	Department Name	Programme Name	Group	Qualifying Degree names	GATE Paper Codes (as per GATE-2017)	OC	OCP WD	OB	OBP WD	SC	SCP WD	ST	STP WD	Total Seats
1	Mechanical Engineering	M. Tech. in Mechanical Engineering	Manufacturing Technology	B.E./B.Tech. or equivalent	ME & PI	3	1	2	0	1	0	1	0	15
			Machine Design			4	0	2	0	1	0	0	0	
2	Civil Engineering	M. Tech. in Civil Engineering	Structural Engineering	B.E./B.Tech. or equivalent	CE	4	0	2	0	2	0	0	0	15
			Transportation Engineering			3	0	2	0	1	0	1	0	
3	Computer Science & Engineering	M. Tech. in Computer Science & Engineering	Artificial Intelligence	B.E./B.Tech. or equivalent	CS	4	0	2	0	1	0	1	0	15
			Computing Systems			4	0	2	0	1	0	0	0	
4	Electrical Engineering	M. Tech. in Electrical Engineering	Power System & Control	B.E./B.Tech. or equivalent	EE	4	0	2	0	1	0	1	0	15
			Power Electronics & Drives			3	0	1	1	1	0	1	0	
5	Electronics & Communication Engineering	M. Tech. in Electronics & Communication Engineering	Microelectronics & VLSI Design	B.E./B.Tech. or equivalent	EC	4	0	2	0	1	0	1	0	15
			Communication Systems			4	0	2	0	1	0	0	0	
Total Seats						38		20		11		6		75
Actual % Reservation						50.7		26.7		14.7		8		

Approval may be granted for the same.

Registrar: - 

  
Associate Dean (Academic)  
(A. K. Anupam)

Note

Date: 11.08.2017

Sub: Approval for Increase in Earned Credits for B.Tech. 2013 batch students due to DGPA

The permission to withhold the implementation of DGPA was received from the competent authority. Permission was also granted to issue the Grade Cards, Provisional Degree Certificates and other certificates to the students in the same formats as issued in the previous Academic Year.

As per the rule 4.2.1 of the previous Academic Course Book (July-2015), minimum credits required to be eligible for award of B.Tech. Degree is 320 and to accounts for credits of individual subjects credits can exceed by maximum 5 (i.e. 325). Any additional courses is opted shall be audited.

As implementation of DGPA has been announced during Autumn Semester 2016 so, to improve their DGPA, some of the 2013 batch students have earned more than 325 credits at the end of their 8<sup>th</sup> semester.

Since implementation of DGPA has been postponed and some students of 2013 batch have earned more than 325 credits, which cannot be audited, it is proposed to issue the Grade Cards, Provisional Degree Certificates and other certificates with more than 325 earned credits i.e. actual credits earned by the students.

• Submitted for the approval.

*Dr. Navjot Singh*  
11/08/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar: — Recommended for approval

*[Signature]*  
14/08

DIRECTOR

*[Signature]*  
22/8/17



3.18.5 The attendance grade shall be awarded as per following table and these grades shall appear on grade card.

S. No.	Attendance	Grade	Remark
1	≥ 95%	H	High Attendance
2	≥ 85% but < 95%	N	Normal Attendance
3	≥ 75% but < 85%	M	Minimum Attendance
4	≥ 65% but < 75%	L	If L grade is not awarded earlier in any two semesters / terms
5	≥ 65% but < 75%	W	If L grade is awarded in any two semesters earlier
6	< 65%	W	

3.18.6 A student who is awarded "W" grade is not permitted to appear for End-semester examination and is awarded "UU" grade for the course. The student who is awarded "UU" grade will have to repeat the course.

3.18.7 Total no. of classes for calculating attendance should not include extra classes engaged. However, extra classes engaged can be added to classes attended at the discretion of the class coordinator subject to maximum of 10% (rounded off to the whole number) of the total scheduled classes engaged. Classes after scheduled date of display of attendance and internal marks shall not be counted for any purpose.

3.18.8 Some relaxation in attendance will be permissible for the award of 'L' & 'W' grades in and as specified the below mentioned two cases:

1) 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.

2) Loss of classes on account of attending the interviews/screening tests/group discussions for placement organized by Institute, subject to the limit of 10% of the total classes engaged in the specific course. The relevant record about student's participation for this purpose, as authenticated by the Training & Placement section will be considered for the purpose of the above mentioned relaxation in attendance.

## 4. DEGREE REQUIREMENTS, REGULATIONS AND PROCEDURES

### 4.1 Overall requirements

#### 4.1.1 Undergraduate Program

The total credit requirement for the B.Tech. (4-year program) is 320 credits. Total credits are distributed over three categories:

Undergraduate Core (UC)

Undergraduate Elective (UE)

Undergraduate Non Credit (UN)

Undergraduate Core (UC) has following categories:

(i) Basic Sciences (BS) which includes Mathematics, Physics and Chemistry courses.

(ii) Engineering Arts and Sciences (ES) which includes fundamental engineering courses.

(iii) Departmental Core (DC) which includes courses of relevant discipline.

(iv) Core Humanities & Management Courses (HM).

Undergraduate Electives (UE) courses belong to basically three categories:

(i) Departmental Electives (DE): Electives related to the parent discipline.

(ii) Humanities, Social Sciences, and Management (HM)

(iii) Open Courses (OC): Electives to provide an opportunity to the student to develop broad inter-disciplinary knowledge base or to specialize significantly in an area outside the parent discipline.

Undergraduate Non-Credit (UN) Requirement is as under

i) NCC / NSO / Sports

ii) Industrial Training (Minimum 4 weeks)/Colloquium

iii) Literature Review Paper Writing

iv) Project

v) Community Project

S.No.	Category	Symbol	B.Tech. (4-year)
1	UG Core	UC	208
1.1	Departmental Core	DC	118
1.2	Basic Sciences	BS	38
1.3	Engineering Arts and Sciences	ES	40
1.4	Humanities and Social Sciences	HM	12
2	UG Elective	UE	112
2.1	Departmental Electives	DE	50 (minimum)
2.2	Humanities, Social Sciences, Management	HM	12 (minimum)
2.3	Open Courses	OC	50 (balance)
3	Non Credit Requirement	UN	8 (5 Courses)
4	TOTAL REQUIREMENT		320 (Minimum)

### 4.2 Degree requirements breakup

The degree requirements for the various programs listed earlier are detailed below.

#### 4.2.1 Earned credits

(a) Completion of 320 earned credits for 4-year B.Tech. Programs

(b) Completion of 104 earned credits for 2-year M.Tech. Programs

These credits are needed to be earned under different categories as specified in table given above for individual programs. The credit requirement stated here is the minimum requirement. To account for credits of individual subjects credits can exceed by maximum 5 (i.e. 325, 109 respectively). Any additional courses if opted shall be audited.

#### 4.2.2 Cumulative Grade Point Average (CGPA) requirement

A student must obtain a minimum Cumulative Grade Point Average (CGPA) of 4.5 to be eligible for award of the B.Tech. degree.

All exceptions to the above conditions will be dealt with as per the following regulation:

If a student completes required credits for B.Tech. with CGPA less than 4.5, then the student will be permitted to do additional elective courses under any category to improve the CGPA within the maximum time limit for completion of B.Tech. degree i.e. 6 years. In case a CGPA of 4.5 or more is achieved within the stipulated period, a B.Tech. degree will be awarded and in case the same is not achieved no degree will be awarded.

#### 4.2.3 Practical Training (UG Only)

A student of the B.Tech. / B. Arch. must complete 4 weeks of practical training to the satisfaction of the concerned department. This training will be normally arranged in the summer vacation following the 6th semester. Practical training should be carried out preferably in an industry or an R&D institution in India. Practical training in academic institutions is discouraged. Details are given in Section 4.9(d).

#### 4.2.4 NCC/NSS/NSO/Sports (UG Only)

All students are required to enroll for either one of NCC, NSS or NSO in their first year. This requirement should be completed in one year. If, however, a student is not able to complete this requirement in the first year, he/she must complete it by the end of the 2nd year (4th semester). See also 4.9(a). Alternatively a student can enroll for Sports / Yoga in the first two semesters.

#### 4.2.5 Additional Requirement

All students are required to enroll for zero credit courses and earn SS grade for award of the degree. These zero credit courses are Literature Review Paper Writing, Project and Community Project. Details are given in Section 4.9(h), 4.9(c), and 4.9(i) respectively.

#### 4.2.6 Audit courses

Audit facility is open to all students who have completed 160 earned credits. A student will be permitted to do any number of audit courses over and above the graduation requirements. The audit rules for courses within the mandatory requirement are:

(a) B.Tech. (4-year) program: A maximum of 16 credits from the elective courses in any category out of 320 credits required for B.Tech. degree may be completed on audit basis. However, students who opt for auditing any number of credits out of 320 shall not be eligible for any awards based on CGPA / SGPA. Students who opt for audit courses over and above 320 credits shall be eligible for all awards.

(b) M.Tech. (2-year) program: No courses out of 104 credits required for M.Tech. degree may be completed on audit basis. However, a student can opt for any additional number of audit courses.

### 4.3 Lower and upper limits for credits registered

B.Tech.

A student must register for a minimum of 30 credits and a maximum of 52 credits in a semester.

Under exceptional circumstances, a student can register for a maximum of 56 credits. However, this will be permitted at the most twice during the program in semesters other than 1<sup>st</sup> to 4<sup>th</sup>, and those in which the student is registered for Major Project Part I or 2.

These conditions will not be applicable for those students whose load is restricted by the criteria defined in section 4.5.

M.Tech.

A student must register for a minimum of 24 credits and a maximum of 40 credits in a semester till a student earns 68 credits.

### 4.4 Absence during the semester

a. A student must inform the Dean (Acad) through FA and HoD immediately of any instance of continuous absence from classes.

b. In case the period of absence on medical grounds is more than 20 working days during the semester, a student may apply for withdrawal from the semester, i.e. withdrawal from all courses registered that semester. Such application must be made as early as possible and latest one week before the start of the End Semester Examination. No applications for semester withdrawal will be considered after that. Dean (Acad), depending on the merit of the case, will approve such applications. Partial withdrawal from courses registered in a semester on medical ground is not allowed.

c. If a student is continuously absent from the institute for more than four weeks without notifying the Dean (Acad), his/her name can be removed from institute rolls.

**National Institute of Technology, Uttarakhand**

**Note**

Date: 09.08.2017

**Sub: PhD registration confirmation of new entrants for the Autumn Semester 2017**

The following students were given provisional admission in the Ph.D. program and have successfully defended their pre-registration seminar in front of the Research Progress Committee (reports attached).

Sr. No.	Name of the Candidate	Department
1.	Mr. Prabhakar Zainith	Mechanical Engineering
2.	Mr. Danish Amin	Sciences & Humanities
3.	Mr. Pankaj Singh Rana	

These students are now eligible for the registration in the Autumn Semester 2017. Autumn Semester has commenced from 08.08.2017. To avoid the loss of their lectures, their attendance may be counted from 08.08.2017.

Permission may be granted to conduct their registration and enrollment for the Autumn Semester 2017 and their attendance may be counted from 08.08.2017.

Approval may be granted for the same.

*Dr. Navjot Singh*  
09/08/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar :- Recommended for approval

*[Signature]* 14/08

DIRECTOR

*[Signature]*  
14/8/17



National Institute of Technology, Uttarakhand

Note

Date: 18.08.2017

Sub: PhD registration confirmation of Mr. Mayank Pokhriyal for the Autumn Semester 2017

Mr. Mayank Pokhriyal was given provisional admission in the Ph.D. program in the Department of Mechanical Engineering and has successfully defended his pre-registration seminar in front of the Research Progress Committee (reports attached).

He is now eligible for the registration in the Autumn Semester 2017. Autumn Semester has commenced from 08.08.2017. To avoid the loss of his lectures, his attendance may be counted from 08.08.2017.

Permission may be granted to conduct his registration and enrollment for the Autumn Semester 2017 and his attendance may be counted from 08.08.2017.

Approval may be granted for the same.

*Dr. Navjot Singh*  
18/8/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar:- Recommended for approval  
*[Signature]* 18/8/17

DIRECTOR

*[Signature]*  
22/8/17



# National Institute of Technology, Uttarakhand

1501

## Note

Date: 30.08.2017

### Sub: Post Facto Approval for Revised Time Table

The students are facing problem with the duration of the lunch time as the queue during the lunch is very long. By the time they start their lunch, the bell rings for the lab/tutorial. In order to increase the lunch time for the students, the time table has to be revised. The proposed revised time table is as following:

Sr. No.	Period	Timing	Duration
1.	Lecture 1	08:00 AM to 08:50 AM	50 Min
2.	Lecture 2	08:50 AM to 09:40 AM	
3.	Lecture 3	09:40 AM to 10:30 AM	
4.	<b>Short Break 1</b>	<b>10:30 AM to 10:45 AM</b>	<b>15 Min</b>
5.	Lecture 4	10:45 AM to 11:35 AM	50 Min
6.	Lecture 5	11:35 AM to 12:25 PM	
7.	<b>Lunch Break</b>	<b>12:25 PM to 02:30 PM</b>	<b>125 Min</b>
8.	Lab1/Tutorial1	02:30 PM to 04:00 PM	90 Min
9.	<b>Short Break 2</b>	<b>04:00 PM to 04:10 PM</b>	<b>10 Min</b>
10.	Lab2/Tutorial2	04:10 PM to 05:40 PM	90 Min

The above time table is with effect from 30.08.2017.

Submitted for your approval.

*Dr. Navjot Singh*  
30/8/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar:- Recommended for approval

*[Signature]*  
01/09

DIRECTOR

Approved by e-mail  
Date 09/09/2017.  
at 4:34PM

**National Institute of Technology, Uttarakhand**

**Note**

Date: 30.08.2017

**Sub: Post Facto Approval for Revised Time Table**

The students are facing problem with the duration of the lunch time as the queue during the lunch is very long. By the time they start their lunch, the bell rings for the lab/tutorial. In order to increase the lunch time for the students, the time table has to be revised. The proposed revised time table is as following:

Sr. No.	Period	Timing	Duration
1.	Lecture 1	08:00 AM to 08:50 AM	50 Min
2.	Lecture 2	08:50 AM to 09:40 AM	
3.	Lecture 3	09:40 AM to 10:30 AM	
4.	Short Break 1	10:30 AM to 10:45 AM	15 Min
5.	Lecture 4	10:45 AM to 11:35 AM	50 Min
6.	Lecture 5	11:35 AM to 12:25 PM	
7.	Lunch Break	12:25 PM to 02:30 PM	125 Min
8.	Lab1/Tutorial1	02:30 PM to 04:00 PM	90 Min
9.	Short Break 2	04:00 PM to 04:10 PM	10 Min
10.	Lab2/Tutorial2	04:10 PM to 05:40 PM	90 Min

The above time table is with effect from 30.08.2017.

Submitted for your approval.

*Dr. Navjot Singh*  
30/8/17

Dr. Navjot Singh  
Associate Dean (Academic)

Registrar :- Recommended for approval

*[Signature]*  
01/09

DIRECTOR

*[Signature]*  
9/9/17



National Institute of Technology, Uttarakhand

Note

Date: 08.09.2017

I

Sub: Approval to Mr. Rohit Kumar for Extension of time to complete the Ph.D. Course Work

Mr. Rohit Kumar (DS16SCJ001) is the Ph.D. scholar in the Discipline of Chemistry, Department of Sciences and Humanities. As per rule 3.1 of the Ordinances Rules and Regulations for Ph.D. (July 2013), it is mandatory for a Ph.D. scholar to complete the course work within the first two semesters of joining the program (copy attached).

Mr. Rohit Kumar has completed two semesters of Ph.D. During these two semesters, he has completed the requirement of the course work except the two 6 level audit courses Communication Skills (HML601) and Research Methodology (HML602). These courses were floated by the Department of Sciences and Humanities in the Summer Term 2017. During that time he was on Research Visit to Bhabha Atomic Research Centre, Mumbai and could not attend these courses.

The courses HML601 and HML602 are not running in the current semester (Autumn Semester 2017) but are likely to run in the next semester (Spring Semester 2018). An application (attached alongwith) is received from the student requesting for the extension of time to complete the course work requirements of the Ph.D. program by the end of Spring Semester 2018.

Keeping in view the future of the student, Chariman Senate is requested to approve the same.

*Dr. Navjot Singh*  
08/09/17

Dr. Navjot Singh

Associate Dean (Academic)

II

Registrar:- for comments

*15/09*

III

AR (Acad)

Keeping in view the future of the student, approval may be granted.

*19/11/17*

(WAGDEEP SINGH)

IV

Registrar:-

The extension of time to complete the course work requirements for the Ph.D program may be granted.

*15/11*

DIRECTOR

*16/11/17*



## **2.17 ATTENDANCE REQUIREMENTS FOR ASSISTANTSHIP**

A Ph.D. scholar irrespective of the source of research assistantship while pursuing course work, must attend at least 75 % of classes in each course in which he/she is registered. In case his/her attendance falls below 75 % in any course during a month, he/she will not be paid Assistantship for that month. Further, if his/her attendance again falls short of 75 % in any course in any subsequent month in that semester, his/her scholarship and Assistantship will be terminated. A research scholar after having completed the course work must attend to his/her research work on all the working days and mark attendance except when he/she is on duly sanctioned leave.

All scholars who are offered assistantship are required to register for a special course (XXD603) with Satisfactory/Unsatisfactory grade. They are expected to put in 8 hours per week towards the work assigned by the Institute. Continuation of assistantship in a subsequent semester would be conditional to obtaining a satisfactory grade in this course.

## **3. DEGREE REQUIREMENTS, REGULATIONS AND PROCEDURES**

### **3.1 COURSE REQUIREMENTS**

The award of Ph.D. degree is in recognition of high achievements, independent research and application of scientific knowledge to the solution of technical and scientific problems. Creative and productive enquiry is the basic concept underlying the research work. In order to overcome any deficiency in the breadth of fundamental training or proper foundation for advanced work, special preliminary or pre-doctoral courses are given by each department/centre. These courses are given either by faculty members or by guest-speakers and specialists in the profession.

Candidates registered for Ph.D. programs shall be required to audit two four-credit courses **XXL601 (Communication Skills) and XXL602 (Research Methodology)** offered by any department (departments shall offer the course every year in rotation) in addition to the minimum course work specified by the RPC.

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. The departments may require a larger number of credits in general

or in specific cases. The additional course requirement will be determined by the RPC on the recommendations of the supervisor after due consideration of the background of the scholar in relation to the proposed topic of research. These courses can be prescribed from existing M.Tech. courses, special pre-Ph.D. courses including laboratory, seminar, foreign language, etc. Normally, no independent study course will be allowed for Ph.D. scholars. However, self-study courses can be permitted if the recommended courses are not offered in the first calendar year.

The minimum CGPA requirement for the course work is 7.50. If the CGPA at the end of any semester is above 7.00 but less than 7.50, he/she will be asked to take more courses in order to make up the required CGPA. If the SGPA at the end of the first semester and CGPA at the end of any subsequent semester is below 7.00, he/she will have to discontinue the doctoral program. The course work must be completed within the first two semesters of joining the program.

In addition to the requirement of prescribed minimum CGPA, he/she shall be required to secure valid credits to the extent of 75 % of the credits registered in a semester for continuation of registration.

### **3.2 SEMINARS 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 during the Ph.D. seminar weeks indicated in the academic calendar.

**3.2.2** The time-table for the 6 monthly seminars shall be displayed by HoD at least 15 days prior to it. Also, a brief write-up outlining the work previously done, the current status and the future plans should be submitted to the RPC members at least 3 days prior to the date of seminar.

**3.2.3** The report of the RPC after each 6 monthly progress seminar shall be duly forwarded to the Office of Dean (Academic) by the concerned department in an appropriate format available on intranet. KK grade will be awarded if the progress is 'satisfactory' in that semester. If the progress is 'unsatisfactory', UU grade will be awarded.

**3.2.4** If the report of 2 consecutive review seminars is unsatisfactory, RPC may recommend discontinuation of registration. If 3 consecutive seminar reports are unsatisfactory or if 4



**National Institute of Technology, Uttarakhand**

**Note**

Date: 10.11.2017

**Sub: Approval of Academic Calendar for the Spring Semester - 2018**

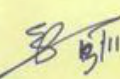
With reference to the meeting with the Hon'ble Director, Registrar, Associate Deans and HoDs (minutes of the meeting attached), it was decided to continue with the same academic policies for the upcoming Spring Semester-2018.


The draft of the Academic Calendar for the Spring Semester-2018 has been prepared and attached along with.

Chairman Senate is requested to approve the same.

  
10/11/17

Dr. Navjot Singh  
Associate Dean (Acad.)

Secretary Senate:-  13/11

Director:-   
14/11/17

# Academic Calendar

राष्ट्रीय प्रौद्योगिकी संस्थान,  
उत्तराखण्ड  
National Institute of Technology,  
Uttarakhand



Temporary Campus: Government ITI, Srinagar (Garhwal), Distt. Pauri Garhwal, Uttarakhand-246174. Phone: 01346-257401, 257400 (O), 01346-251095 (Tale Fax) E-Mail: nitt@nitk.org Website: www.nittk.org

## Spring Semester – 2018

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Activity of Week
Jan. 2018	1 Make Up Exam Slot I Last Date of Showing Answer Sheet For Teacher	2 Grade Card Issue	3 Last Date of Showing Marks To Exam Review Board & Publication of Grades	4	5 Last Date for Submission for Make Up Exam Display of Grades for Winter Term	6	7	Last Date of Showing Make Up Exam Answer Sheet & Publication of Grades Winter Vacation Begins Examination & Classes Begin
	8 18 Finalization for Make Up	9	10 Grade Card Issue after Make Up	11	12	13	14	18 Finalization of Make Up Last Date of Submission & Add & Drop
	15 Institute Gathering	16 Institute Gathering	17 Institute Gathering	18 Institute Gathering	19 Institute Gathering	20 Institute Gathering	21 Institute Gathering	Institute Gathering
	22	23	24	25	26 Republic Day	27	28	
	29	30	31	1	2	3	4	
Feb. 2018	5 6 Seasonal Exam I Slot A & B & C	6 7 Seasonal Exam I Slot D & E & F	7 8 Seasonal Exam I Slot G & H & I	8 9 Seasonal Exam I Slot J	9 10	10 11	11	Seasonal Exam-I
	12 Friday Time Table	13	14	15	16 Institute Festival	17 Institute Festival	18 Institute Festival	Institute Festival Mid Sem Feedback
	19 Last Date of Showing of Seasonal I Marks	20 Last Date of Course Withdrawal Commencement from Credit Course in Audit	21	22	23	24 Mid-Term Break Starts	25	Last Date of Showing of Seasonal I Marks Mid-Term Break Starts
	26	27	28	1	2	3	4	Mid-Term Break Ends
March 2018	5	6	7	8	9	10	11	Advertiser Week
	12	13	14	15	16	17	18	
	19	20	21 Seasonal Exam-II Slot A & B & C	22 Seasonal Exam-II Slot D & E & F	23 Seasonal Exam-II Slot G & H & I Cultural Night	24	25	Seasonal Exam-II
	26 Nomination for Election	27	28 Withdrawal of Nomination	29 Mahavir Jayanti	30 Good Friday	31 Voting for Election	1	Election
April 2018	2 Last Date of Display of Institutional Marks	3	4	5 Committee meeting for finalization of nomination to be effected in Autumn Semester 2018	6	7 Institute Day	8	Institute Day Last Date of Showing of Seasonal I Marks
	9 Display of list of Students with date to be offered in Autumn Semester 2017	10 Friday Time Table	11	12	13	14	15	
	16 Thursday Time Table	17 Registration for Autumn Semester 2018	18 Registration for Autumn Semester 2018	19	20	21 Farewell	22	Registration for Autumn Semester 2018 Farewell
	23	24	25	26	27	28	29	End Semester Feedback
	30 Buddha Purnima	1	2	3	4 Student Initiated Teaching	5 Student Initiated Teaching	6 Student Initiated Teaching	Display of Attendance & Internal Marks Display of Grades For P & V type Courses
May 2018	7 End Sem Exam Slot A	8 End Sem Exam Slot B	9 End Sem Exam Slot C	10 End Sem Exam Slot D	11 End Sem Exam Slot E	12	13	End Sem Exam
	14 End Sem Exam Slot F	15 End Sem Exam Slot G	16 End Sem Exam Slot H	17 End Sem Exam Slot I	18	19	20	End Sem Exam
	21 Last Date of Showing Answer Sheets	22 Committee Meeting for Finalization & Display of Grades	23 Summer Vacation Begins (For Students)	24 Last date for Grievance	25 Make - Up Exam Slot A & B	26	27	Make - Up Exam
	28 Make - Up Exam Slot C & D	29 Make - Up Exam Slot E & F	30 Make - Up Exam Slot G & H	31 Make - Up Exam Slot I	1 Last Date of Showing Make Up Exam Answer Sheet	2	3	Committee Meeting for Finalization & Display of Grades Make-Up Exam Last Date of Showing Make Up Exam Answer Sheet
June 2018	4 18 Finalization Finalization of Grades for Make Up	5 Summer Term Registration	6 Last date for Grievance for Make-Up	7 Classes Begin for Summer Term	8	9	10	Summer Term Registration
	11 18 Finalization for Make Up Summer Vacation Begins (for Faculty)	12	13	14 Grade card Verification for Final Year	15	16 Eid-ul-Fitr	17	
	18	19	20	21	22 Seasonal Exam I Slot A / B / C	23	24	Seasonal Exam I
	25	26	27	28	29	30	1	
July 2018	2	3	4	5	6 Seasonal Exam II Slot A / B / C	7	8	Seasonal Exam-II
	9	10	11	12 Grade card issue	13	14	15	
	16	17	18	19	20	21	22	
	23 End Term Exam Slot A	24 End Term Exam Slot B	25 End Term Exam Slot C	26	27 Last Date of Showing Answer Sheets Summer Vacation Ends (for Faculty)	28	29	End Term Exam Last Date of Showing Answer Sheets

14/11/2012



Date: 16.11.2017


**Subject:** Regarding approval of resignation of Project Asst. from Project to join in UGC-NET

An open advertisement was published on 05.08.2017 regarding recruitment of Project Assistant (PA) in Chemistry in the sanctioned DST (SERB) project (Sanctioned order No. SB/FT/CS-103/2014 dt. 24.07.2015, Rs. 23,70,000/-) of the undersigned after due approval of the Competent Authority. I received only one application under ST category against the said advertisement. The candidate was shortlisted for written test which was conducted on 18.08.2017. Thereafter, interview was conducted on the same day by a committee members duly approved by the Competent Authority. The candidature of the candidate was recommended by the selection committee and he joined at this institute on 01.09.2017. Recently, the candidate has qualified NET-JRF. Now, he would like to resign from the Project for joining in UGC-NET which will secure his fellowship for five years from UGC. The copy of his application is also attached herewith for the reference, please. The student is not registered for Ph.D. program yet under Project because of Part-time degree as per rule of the Institute. According to the Ph.D. Ordinance of the Institute, a candidate has to qualify written test followed by interview to register for Ph.D. Program. Mr. Zafar Iqbal had qualified both after which he was appointed in the Project as PA. Therefore, he may be allowed to resign from Project to join in the UGC-NET fellowship for Full-time Ph.D. program for the welfare of the Institute.

Submitted for your kind approval, please.

Thanking you,

Yours Sincerely,

  
16.11.17


Dr. Saroj Ranjan De  
Principal Investigator of the Research Project  
& Assistant Professor in Chemistry  
Department of Sciences & Humanities

**Enclosures:** Copy of application of PA & other relevant documents

HOD (SKH)

Recommended for resignation of Project Asst. from Project to join in UGC-NET Fellowship at the Institute for full-time Ph.D. program as student qualified CSIR/UGC-NET Exam. 16/11/17 (M. Nagbure) HOD (SKH)  
Associate Dean (R&C)

Recommended to join in the UGC-NET fellowship for full time Ph.D. program on resignation from PA. forwarded to AD (Acad) for further consideration.

  
16/11/17 (M. Nagbure)

AD (Acad)

forwarded for remark.

20/11/17  
for AD (Acad)

AR (Acad)

With reference to the present rules for Project staff  
(1) A project staff who satisfies the eligibility criteria as per Institute norms may be considered for admission to the Ph.D. Programme as part time scholar.

(2) 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 02 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 KPC.

Presently there is no rule in ~~case~~ respect of resignation from the project.

enb  
22/11/17  
(DR. N. SINGH)

Asst. Dean (Acad):

Presently there is no such provision. Only a project may join Ph.D. Programme as a part time scholar. To encourage the project staff, provision may be made to convert them as full-time Ph.D. scholars. Part time permission may be given as a special case before provision are made.

Director:-

Approved  
only as a  
Special case  
all  
19/11/2017

11/12/17  
(Dr. N. Singh)

AD (Acad)

for 27/12/17

To  
PI of the Research Project



**National Institute of Technology, Uttarakhand**

**Note**

Date: 27.12.2017

**Sub: Approval for Revised Time Table**

The Time Table for the lectures and laboratories/tutorials was revised vide approval of Chairman, Senate dated 09.09.17 (copy attached). However, it is felt by faculties that 50 min. lecture is not enough for properly explaining the concepts to the students. Hence, the revised time table is proposed as follows:

Sr. No.	Period	Timing	Duration
1.	Lecture 1	08:00 AM to 08:55 AM	55 Min
2.	Lecture 2	09:00 AM to 09:55 AM	
3.	Lecture 3	10:00 AM to 10:55 AM	
4.	Lecture 4	11:00 AM to 11:55 AM	
5.	Lecture 5	12:00 Noon to 12:55 PM	
*6.	Lunch Break	12:55 PM to 02:20 PM	85 Min
7.	Lab1/Tutorial1	02:20 PM to 03:50 PM	90 Min
8.	Lab2/Tutorial2	04:00 PM to 05:30 PM	90 Min

\* - only for students

The above time table will be effective from Spring Semester 2018.

Submitted for your approval.

*Dr. Min Kumar*  
27/12/17  
for Associate Dean (Academic)

Secretary, Senate Recommended for approval

DIRECTOR

*25/12/17*

## Note

Date: 07.11.2017

## Sub: Regarding approval of members for BUGS and BPGS

Two faculty members for Board of Under – Graduate Studies (BUGS) and Board of Post – Graduate Studies (BPGS) from each Department has been received from the respective HoDs. It is proposed that the following list of members of BUGS and BPGS for Academic Year 2017-18 may be permitted.

Department Name	BUGS Member	BPGS Member
Civil Engineering	Mr. Shashi Narayan	Mr. Devesh Punera
Computer Science and Engineering	Dr. Nitin Kumar	Dr. Judhistir Mahapatro
Electrical Engineering	Mr. Suryanarayana Gangolu	Mr. Tripurari Nath Gupta
Electronics Engineering	Mr. Tushar Goel	Mr. Hemant Kumar Singhal
Mechanical Engineering	Dr. Yogesh Kumar Prajapati	Dr. Anshul Sharma
Science and Humanities	Dr. Nitin Sharma	Dr. Saroj Ranjan De

As per the Academic Ordinance, Dean (Academic) is the Chairman of above mentioned Boards. Since the Institute does not have Dean (Academic), so Associate Dean (Academic) may be approved as the Chairman of the two boards.

Submitted for the approval of the Hon'ble Director.

*Dr. Navjot Singh*  
07/11/2017

Dr. Navjot Singh  
Associate Dean (Acad.)

*Registrar :- The proposed names of faculty members for BUGS & BPGS may be approved*  
*[Signature]* 16/11

*DIRECTOR*  
*[Signature]*

*[Signature]*  
18/11/17

6. The courses which the students have completed under the NIT Kurukshetra Scheme shall be given equivalence as below.

NIT Kurukshetra Scheme		NIT Uttarakhand Scheme	
S. No.	Course Code	Course Title	Course Title
1.	BE7211	Organizational Behaviour	HD4105 Personal Management and Industrial Relation
2.	COT201 & COT211	Programming Methodology and File Structures & Programming Methodology (Pr)	CSL201 Data Structures and Program Design
3.	COT201 & COT211	Data Structures & Data Structures (Pr)	CSL201 Data Structures and Program Design
4.	COT202 & COT212	Object Oriented Programming & Object Oriented Programming (Pr)	CSL204 Introduction to Object Oriented Methodology
5.	COT204	Programming Language Concepts	CSL283 Concepts in Programming Language
6.	COT205	Computer Organization and Architecture	CSL202 Computer Organization
7.	COT206 & COT214	Software Engineering & Software Engineering (Pr)	CSL207 Software Engineering
8.	COT207	Discrete Structures	BCL204 Discrete Mathematics
9.	COT208 & COT224	Microprocessors I & Microprocessors I (Pr)	BCL305 Microcontroller and Interfacing
10.	COT209	Digital Electronics	BCL202 Digital Circuits
11.	COT210 & COT218	Unix and Linux Programming & Unix and Linux Programming (Pr)	BCL302 Operating Systems
12.	COT215	Digital System Design (Pr)	BCL202 Digital Circuits
13.	ECT201	Semiconductor Devices and Applications	BCL201 Electronic Circuits
14.	ECT203	Network Analysis and Synthesis	EEI204 Network Theory
15.	ECT205	Fields and Waves	BCL205 Electromagnetic Waves
16.	ECT207	Signals and Systems	BCL203 Signals and Systems
17.	ECT208	Digital Circuits and Systems	BCL202 Digital Circuits
18.	ECT211	Electronic Devices and Circuits (Pr)	BCL201 Electronic Circuits
19.	ECT202	Analog Electronics	BCL301 Linear Integrated Circuits
20.	ECT204 & ECT212	Analog Communication & Communication I (Pr)	BCL204 Analog Communication
21.	ECT206	Instrumentation and Measurement	EEI205 Measurement and Instrumentation
22.	ECT208	Control Systems	EEI202 Control System
23.	ECT210	Electronic Circuit Simulation (Pr)	BCL206 Electronic Materials and Devices
24.	MAT201	Mathematics III	SCL281 Applied Mathematics III
25.	HE7201	Circuit Theory	EEI202 Basic Electrical Circuits
26.	HE7202 & HE7215	Analog Electronics & Analog Electronics Lab I	BCL301 Linear Integrated Circuits
27.	HE7205 & HE7213	Measurement and Instrumentation I & Measurement and Instrumentation I	EEI205 Measurement and Instrumentation
28.	HE7206 & HE7214	Power Electronics- I & Power Electronics Lab- I	EEI203 Power Electronics
29.	HE7207 & HE7211 & HE7204 & HE7214	Electrical Machines I & Electrical Machines Lab-I & Electrical Machines II & Electrical Machines Lab-II	EEI201 Electrical Machines
30.	HE7209	Transmission and Distribution	EEI201 Electrical Machines
31.	HE7212	Network Analysis and Synthesis	EEI204 Network Theory
32.	HE7201	Signals and Systems	BCL203 Signals and Systems
33.	HE7208	Digital Electronics	BCL202 Digital Circuits
34.	HE7210	Fields and Waves	BCL205 Electromagnetic Waves
35.	HE7218	Electronics Lab II	BCL202 Digital Circuits
36.	MAT202	Mathematics III	SCL281 Applied Mathematics III

7. Based on the equivalence, the courses will be considered against DC, DE and EM categories.

8. If credits of DC courses thus earned are below 124, then the shortfall shall be compensated by DE courses.

## 5. Various Academic Bodies

### 5.1 Board of Under-Graduate Studies (BUGS)

#### 5.1.1 Constitution

Chairman: Dean (Academics)

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 BUGS. Other Deans and Associate Dean (Academic) will be the members of BUGS.

#### 5.1.2 Responsibilities

All below mentioned responsibilities for Under-Graduate Programs only:

1. To approve the degree requirements proposed by BoS.
2. To approve the syllabus / contents of the courses as proposed by BoS.
3. To review the cases of students identified for monitoring and load restrictions.
4. To review the cases for termination of students and recommend termination of students.
5. To consider the applications of students for special academic provisions under exceptional circumstances.
6. To recommend to senate list of students for award of Degree.
7. To recommend to Senate changes/additions to rules and regulations.
8. To review the academic result.

### 5.2 Board of Post-Graduate Studies (BPGS)

#### 5.2.1 Constitution

Chairman: Dean (Academics)

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 BPGS.

Departments shall nominate two different teachers on BUGS and BPGS.

#### 5.2.2 Responsibilities

All below mentioned responsibilities for Post-Graduate and Ph.D Programs only.

1. To approve the degree requirements proposed by BoS.
2. To approve the syllabus / contents of the courses as proposed by BoS.
3. To review the cases of students identified for monitoring and load restrictions.
4. To review the cases for termination of students and recommend termination of students.
5. To consider the applications of students for special academic provisions under exceptional circumstances.
6. To recommend to Senate list of students for award of Degree.
7. To recommend to Senate changes / additions to rules and regulations.
8. To review the academic result.
9. To approve the recognition of supervisors.

### 5.3 Board of Studies (BoS)

Each Department shall have one Board of Studies. The BoS shall look after all the programs offered by the Department.

#### 5.3.1 Constitution

Chairman – Head of the Department

Member – All teachers in the Department

Member – One teacher (preferably Professor) from other department, (to be nominated by BoS, with approval of Chairman, Senate)

Member – Two Professors from other Institutes, preferably from IIT/NIT, (to be nominated by BoS, with approval of Chairman Senate)

Member – One expert from Industry, (to be nominated by BoS, to be nominated with approval of Chairman Senate)

#### 5.3.2 Responsibilities

1. To frame the program qualification.
2. To frame the program requirement.
3. To prepare the course content.

### 5.4 Class Committee

A class committee shall be framed for group of courses, which are offered by large number of students simultaneously, or group of courses recommended by BoS. A group should not have more than 6 courses.

#### 5.4.1 Constitution

Chairman – Faculty of other Department who does not teach any course prescribed for the program. (to be nominated by BoS)

Member – All course coordinators of courses covered in the group.

Member – Four students with CGPA of more than 8.0.

#### 5.4.2 Responsibilities

1. To review conduct of the course and results of first sessional after firstsessional examination.
2. To review conduct of the course and results of second sessional aftersecond sessional examination.
3. To finalize grades awarded for the courses.

**S. 10.04      To confer the B. Tech. Degree upon graduating B. Tech. students for Convocation**

Fourth batch of students admitted in the Academic Year 2013-14 in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering have completed all the requirements, as mentioned in rule no. 4.1.1 and 4.2.1 of the Ordinances Rules and Regulation of the Institute (Course Book 2016), for the award of B.Tech. Degree. The Grade Cards and Tabulation Reports of all the concerned students have been verified by the respective committees to ascertain the eligibility of each student. Accordingly Grade Cards, TC/Migration Certificates and Provisional Degree Certificates have been issued to the eligible students. Degrees can therefore be conferred to the successful students.

A list of successful students for conferment of Degree is enclosed as **Annexure S10.03**.

Statistical details of the successful students are enclosed as **Annexure S10.04**.

The Senate is requested to confer the award of the B.Tech. Degree upon the eligible graduating students as per **Annexure S10.03**.



**List of Eligible Students for Conferment of B.Tech Degree in 2017**

S.No.	Roll No.	Name (English)	Total Credits	CGPA
<b>Civil Engineering (Total students-51)</b>				
1.	BT13CIV001	Aditya Tripathi	320	5.56
2.	BT13CIV003	Satyam Rathaur	334	8.63
3.	BT13CIV004	Sachin Kumar Prince	324	6.01
4.	BT13CIV005	Ayush Rana	330	7.70
5.	BT13CIV006	Deewan singh	324	6.23
6.	BT13CIV007	Rohit Raj	324	5.06
7.	BT13CIV009	Dharmendra Kumar	320	7.41
8.	BT13CIV010	Jamuna Prasad Bahuguna	328	8.16
9.	BT13CIV011	Sandeep Nautiyal	320	7.44
10.	BT13CIV012	Shubham Rana	320	7.86
11.	BT13CIV014	Saurabh Kumar	322	8.88
12.	BT13CIV015	Jitender Singh	324	6.33
13.	BT13CIV016	Akash Kumar Meena	322	6.07
14.	BT13CIV017	Rohit Kumar Patel	322	7.37
15.	BT13CIV018	Pooja Rawat	322	9.30
16.	BT13CIV019	Kshitij Raj	324	7.01
17.	BT13CIV021	Manoj Kumar Singh	322	5.73
18.	BT13CIV023	Shubham Kumar Singh	328	8.45
19.	BT13CIV024	Ashish Meena	320	5.63
20.	BT13CIV026	Bharat kumar	322	6.91
21.	BT13CIV027	Sameer Malik	322	7.84
22.	BT13CIV028	Ramesh	322	4.99
23.	BT13CIV029	Suryakant Butola	320	7.13
24.	BT13CIV030	Subham Malik	322	7.98
25.	BT13CIV032	Saurav Aswal	320	8.14
26.	BT13CIV033	Shubham Kumar	323	8.62
27.	BT13CIV034	Hemant Kumar Gautam	332	6.81
28.	BT13CIV035	Sagar Tomar	326	7.44
29.	BT13CIV036	Jitendra Kumar Bharti	328	7.73
30.	BT13CIV037	Arun Gangwar	320	9.06
31.	BT13CIV038	Mohammad Faizan	330	6.81
32.	BT13CIV039	Ramvilas Singh Patel	334	8.62
33.	BT13CIV040	Shailendra Prasad Nautiyal	320	4.97
34.	BT13CIV041	Shobhit Kumar Maurya	328	8.52
35.	BT13CIV042	Krishna Nand Yadav	320	6.83
36.	BT13CIV043	Rohit Kumar	324	7.42
37.	BT13CIV044	Akshita Kumari	326	7.13
38.	BT13CIV045	Shivashish Gautam	334	6.89
39.	BT13CIV046	Arvind Kumar Meena	324	7.36
40.	BT13CIV047	Bivesh Kumar	326	7.43
41.	BT13CIV050	Umesh Dangi	336	8.20
42.	BT13CIV051	Rohan Kumar Rathi	322	7.94

S.No.	Roll No.	Name (English)	Total Credits	CGPA
43.	BT13CIV052	Shivansh Agarwal	320	7.34
44.	BT13CIV053	Satyendra Singh	328	7.97
45.	BT13CIV054	Nitin Upreti	324	7.97
46.	BT13CIV055	Sakshi Singh	320	7.45
47.	BT13CIV056	Guljeet Singh	330	6.52
48.	BT13CIV057	Vishal	326	7.23
49.	BT13CIV058	Himanshu Singh Gangwar	320	7.89
50.	BT13CIV059	Shivpal Singh Bhati	322	9.37
51.	BT13CIV060	Dauli Butola	324	8.38
<b>Computer Science and Engineering (Total students-49)</b>				
52.	BT13CSE001	Piyush Pangtey	322	6.37
53.	BT13CSE002	Tarun	324	7.05
54.	BT13CSE003	Vivek Kumar	320	5.10
55.	BT13CSE004	Baljeet Singh	320	5.54
56.	BT13CSE008	Akshay Bhatt	320	9.62
57.	BT13CSE010	Kritika Saini	338	9.17
58.	BT13CSE013	Neelesh Lohani	320	7.42
59.	BT13CSE014	Rajeev Kumar	338	5.76
60.	BT13CSE016	Abhishek Kumar	320	7.58
61.	BT13CSE018	Ashish Kumar Mishra	320	8.44
62.	BT13CSE019	Parul Gangwar	334	7.06
63.	BT13CSE020	Pooja Arya	320	7.79
64.	BT13CSE021	Meenakshi Arya	328	8.60
65.	BT13CSE023	Manish Kumar Mali	320	6.14
66.	BT13CSE024	Swarnima Yagya Saini	320	8.03
67.	BT13CSE025	Mohit Rai	320	7.30
68.	BT13CSE026	Ayush Bahuguna	320	7.75
69.	BT13CSE027	Harish Rathor	322	6.85
70.	BT13CSE028	Prashant Agarwal	320	9.85
71.	BT13CSE029	Sahil	324	5.83
72.	BT13CSE030	Avijit Shikhar Rana	324	8.67
73.	BT13CSE031	Ashok Kumar	324	5.26
74.	BT13CSE032	Anand Tiwari	320	6.91
75.	BT13CSE033	Awantika Saroj	322	6.48
76.	BT13CSE034	Nitesh Choudhary	320	7.59
77.	BT13CSE036	Vijay Kumar Prajapat	322	8.25
78.	BT13CSE037	Rahul Kumar	324	7.12
79.	BT13CSE038	Pravendra Kumar Singh	338	8.72
80.	BT13CSE039	Sunku Subash	324	6.98
81.	BT13CSE040	Rajat Kathal	326	6.80
82.	BT13CSE041	Kushal Jain	320	8.82
83.	BT13CSE042	Rahul Pal	328	7.84
84.	BT13CSE043	Anurag Kumar	328	7.12
85.	BT13CSE045	Akash Tyagi	320	6.06
86.	BT13CSE046	Manish Solanki	340	7.10
87.	BT13CSE047	Deepak Kumar	332	6.30
88.	BT13CSE048	Amit	320	6.16
89.	BT13CSE050	Abhinav Jha	330	9.22
90.	BT13CSE051	Mohit Narayan Rajput	320	8.44

S.No.	Roll No.	Name (English)	Total Credits	CGPA
91.	BT13CSE052	Rajat Singh Panwar	320	7.59
92.	BT13CSE053	Jyotsna Singh	320	6.82
93.	BT13CSE054	Pankaj Kumar	322	8.30
94.	BT13CSE055	Kapil Gehlot	338	7.37
95.	BT13CSE056	Manish Kumar	320	7.89
96.	BT13CSE057	Neha Chauhan	324	8.18
97.	BT13CSE058	Gaurav Srivastava	320	8.71
98.	BT12CSE016	Nitesh Sharma	320	4.66
99.	BT12CSE020	Mithun Kumar Manjhi	320	4.64
100.	BT12CSE021	Pawan Kumar Agrawal	320	5.09
<b>Electrical and Electronics Engineering (Total students-39)</b>				
101.	BT13EEEE002	Sanni Kumar	320	7.40
102.	BT13EEEE004	Bavisetty Sai Viswas	320	6.78
103.	BT13EEEE006	Rishabh Chauhan	328	9.09
104.	BT13EEEE007	Ashim Hussain	320	8.56
105.	BT13EEEE008	Divesh Dang	322	9.80
106.	BT13EEEE011	Prashant Kumar Sharma	322	5.99
107.	BT13EEEE012	Varun Kush	322	9.85
108.	BT13EEEE013	Bharat Garhwal	320	7.36
109.	BT13EEEE014	Robin Singh	320	7.32
110.	BT13EEEE015	Adarsh Raj	324	8.01
111.	BT13EEEE016	Raj kumar Meena	324	5.82
112.	BT13EEEE017	Anil Meena	320	6.34
113.	BT13EEEE018	Keshra Ram Tard	328	6.87
114.	BT13EEEE019	Anand Ranjan	326	7.45
115.	BT13EEEE020	Anil Kumar	322	4.95
116.	BT13EEEE021	Vinod Kumar	324	8.69
117.	BT13EEEE022	Ajay Verma	320	6.99
118.	BT13EEEE023	Malay Pangtey	320	5.44
119.	BT13EEEE024	Bhawesh Joshi	320	8.33
120.	BT13EEEE025	Sandeep Upreti	320	8.29
121.	BT13EEEE027	Abhyudaya Anand Mishra	330	7.66
122.	BT13EEEE030	Kumar Bhawan	324	6.78
123.	BT13EEEE031	Suryendra Pratap Singh	320	5.99
124.	BT13EEEE032	Rohit Mishra	320	7.93
125.	BT13EEEE033	Prameshwar Kumar	328	6.05
126.	BT13EEEE034	Sudhir Singh	320	5.97
127.	BT13EEEE035	Atul Kumar Pandey	320	9.10
128.	BT13EEEE036	Adarsh Patel	320	7.44
129.	BT13EEEE037	Mohammed Saajidul Hauq	320	8.21
130.	BT13EEEE038	Ritesh Kumar	322	6.35
131.	BT13EEEE040	Pravin Kumar	320	7.11
132.	BT13EEEE042	Balireddy Venkata Tejesh	320	6.55
133.	BT13EEEE043	Kunal Saurav	320	9.51
134.	BT13EEEE045	Sabbithi Jaswanth	322	5.35



S.No.	Roll No.	Name (English)	Total Credits	CGPA
135.	BT13EEEE046	Atul Kumar	322	6.44
136.	BT13EEEE047	Deepak Chandra Arya	328	7.00
137.	BT13EEEE048	Siddhant Saxena	324	8.39
138.	BT13EEEE049	Akash Panwar	320	7.69
139.	BT12EEEE024	Gulfam	320	4.83
<b>Electronics and Communication Engineering (Total students-34)</b>				
140.	BT13ECE002	Alok Singh	320	6.44
141.	BT13ECE003	Amita Giri	330	9.08
142.	BT13ECE004	Shubham Uniyal	320	8.68
143.	BT13ECE005	Aashish Kumar	320	6.28
144.	BT13ECE006	Abhishank Kumar Gautam	320	6.83
145.	BT13ECE007	Naveen Choudhary	334	6.98
146.	BT13ECE008	Neha Meena	320	7.20
147.	BT13ECE009	Suchitra Sharma	326	7.44
148.	BT13ECE011	Mohd. Shujaat Ali	320	8.45
149.	BT13ECE013	Rajul Gangwar	322	8.10
150.	BT13ECE014	Ankita Singhal	324	7.80
151.	BT13ECE015	Priyanka Sharma	330	7.87
152.	BT13ECE016	Swarnim Singh	332	8.58
153.	BT13ECE019	Praphulla Pandey	320	9.62
154.	BT13ECE021	Pandirla Babu	326	6.71
155.	BT13ECE022	Praful Kumar	326	6.34
156.	BT13ECE023	Avi Kumar Vikram	320	5.98
157.	BT13ECE024	Utkarsh Arya	329	8.16
158.	BT13ECE025	Rohit Chauhan	320	6.89
159.	BT13ECE026	Shireen Siddiqui	336	6.52
160.	BT13ECE028	Saurabh Singh	320	5.04
161.	BT13ECE029	Kalpana Verma	326	5.09
162.	BT13ECE030	Rishabh Singhal	328	9.91
163.	BT13ECE031	Tenzin Worden	320	8.47
164.	BT13ECE032	Akshita Thapliyal	320	8.47
165.	BT13ECE034	Huzaifa Usmaan	326	7.10
166.	BT13ECE035	Saroj Kumar	336	7.75
167.	BT13ECE038	Kodam Saketh Samrat	320	7.72
168.	BT13ECE039	Monika Verma	320	5.56
169.	BT13ECE040	Dilip Baloda	320	6.49
170.	BT13ECE041	Ankita Poddar	324	8.81
171.	BT13ECE042	Arpit Agarwal	328	6.38
172.	BT12ECE018	Satvinder Singh	320	5.36
173.	BT11ECE023	Syed Ruman Ali	320	5.86
<b>Mechanical Engineering (Total students-56)</b>				
174.	BT13MEC001	Rohit Kumar	326	8.23
175.	BT13MEC002	Shobhit Kumar	338	7.91

S.No.	Roll No.	Name (English)	Total Credits	CGPA
176.	BT13MEC004	Ankit Sagar	326	7.45
177.	BT13MEC005	Vipul Yadav	326	8.87
178.	BT13MEC006	Aman Kumar	326	7.48
179.	BT13MEC007	Kshitij Gupta	320	7.61
180.	BT13MEC008	Santosh Tiwari	320	7.98
181.	BT13MEC009	Yogendra Singh	322	8.73
182.	BT13MEC010	Shekhar Paliwal	332	8.98
183.	BT13MEC011	Abhishek Singh	326	9.30
184.	BT13MEC012	Shashi Ranjan Kumar	324	5.43
185.	BT13MEC013	Avanish Chandra Ukhiyal	324	7.19
186.	BT13MEC014	Rohit Singh	320	7.92
187.	BT13MEC015	Rohit Kumar	322	7.35
188.	BT13MEC016	Manoratan Singh	328	9.55
189.	BT13MEC017	Shivam Rastogi	322	7.65
190.	BT13MEC018	Shubham Sahu	330	8.33
191.	BT13MEC019	Parambeer Singh Negi	324	8.29
192.	BT13MEC020	Rohit Yadav	320	7.08
193.	BT13MEC021	Vinay Kumar	328	6.65
194.	BT13MEC022	Harish Painuly	324	6.88
195.	BT13MEC023	Himanshu Pathak	334	7.17
196.	BT13MEC025	Surendra Singh Aithani	320	7.35
197.	BT13MEC026	Ishwar Boyal	330	6.10
198.	BT13MEC027	Dheeraj Kumar Saini	326	8.01
199.	BT13MEC028	Ashutosh Shukla	334	9.38
200.	BT13MEC029	Raju Singh	320	5.29
201.	BT13MEC030	Ajay Chauhan	320	6.68
202.	BT13MEC031	Pawan Singh Gariya	340	7.25
203.	BT13MEC032	Arjun Singh	322	7.35
204.	BT13MEC034	Jayesh Nawani	328	7.59
205.	BT13MEC035	Lalit Pargai	330	6.77
206.	BT13MEC037	Tarun Gwasikoti	322	5.29
207.	BT13MEC039	Nitin Butola	326	8.63
208.	BT13MEC040	Vivek Kumar	338	7.37
209.	BT13MEC043	Dheeraj Kumar Dixit	336	8.77
210.	BT13MEC044	Amarjeet Kumar	326	8.22
211.	BT13MEC045	Himanshu Pal	326	7.77
212.	BT13MEC046	Tushar Arora	330	8.62
213.	BT13MEC047	Shubham Vishwakarma	326	7.02
214.	BT13MEC048	Pasala Harsha Vardhan	320	6.39
215.	BT13MEC049	Brijesh Kumar	332	8.91
216.	BT13MEC050	Satish Kumar	320	7.16
217.	BT13MEC051	Aayush Rai	320	5.89

S.No.	Roll No.	Name (English)	Total Credits	CGPA
218.	BT13MEC052	Amrit Nandan	326	8.12
219.	BT13MEC053	Tarun Pratap Singh	332	8.72
220.	BT13MEC054	Sagar Sharma	322	9.05
221.	BT13MEC055	Sujeet Kumar	326	9.67
222.	BT13MEC056	Aavirbhav Shukla	326	9.78
223.	BT13MEC057	Amit Kumar	320	8.97
224.	BT13MEC058	Akshay Swami	322	7.13
225.	BT13MEC059	Mahendra Singh Bisht	330	7.82
226.	BT13MEC060	Shifa Nizami	336	9.01
227.	BT13MEC061	Abhishek Shukla	342	7.65
228.	BT12MEC006	Siddhartha Deshwal	320	5.83
229.	BT12MEC021	Kunal Arya	326	5.19



**Statistical Details of the Eligible Students for Conferment of B.Tech Degree in 2017**

Branch	2013 Batch Students on Roll	2012 Batch Students on Roll	2011 Batch Students on Roll	2013 Batch Students eligible for award of degree	2012 Batch Students eligible for award of degree	2011 Batch Students eligible for award of degree	Students Eligible for Award of Degree in 2017						
							Total	Boys	Girls	Gen	SC	ST	OBC
<b>CIV</b>	56	NA	NA	51	NA	NA	51	47	04	16	07	07	21
<b>CSE</b>	49	03	NIL	46	03	NIL	49	41	08	21	12	02	14
<b>EEE</b>	40	02	NIL	38	01	NIL	39	39	00	14	9	03	13
<b>ECE</b>	34	02	01	32	01	01	34	21	13	12	7	01	14
<b>MEC</b>	55	02	NIL	54	02	NIL	56	55	01	28	6	03	19
<b>Total</b>	<b>234</b>	<b>09</b>	<b>01</b>	<b>221</b>	<b>07</b>	<b>01</b>	<b>229</b>	<b>203</b>	<b>26</b>	<b>91</b>	<b>41</b>	<b>16</b>	<b>81</b>

Branch	Students Eligible for Awarded of Degree in 2017	No. of Students with CGPA 9.0 and above	No. of Students with CGPA 8 and above but below 9	No. of Students with CGPA 6.75 and above but below 8.0	No. of Students with CGPA below 6.75
<b>CIV</b>	51	03	10	27	11
<b>CSE</b>	49	04	11	20	14
<b>EEE</b>	39	05	07	14	13
<b>ECE</b>	34	03	08	10	13
<b>MEC</b>	56	07	15	24	10
<b>Total</b>	<b>229</b>	<b>22</b>	<b>51</b>	<b>95</b>	<b>61</b>

**S. 10.05      Academic Excellence Awards for B.Tech. 2013 Batch**

In compliance to resolution of third meeting of Board of Governors (item 03.12) and resolution of fifth meeting of the Senate (item S.05.04), a duly constituted Committee recommended eleven Academic Excellence Awards to be awarded to the selected graduating students of B.Tech. 2013 Batch as per **Annexure S10.05**.

The Senate is requested to approve the same.

**Academic Excellence Awards for B.Tech. 2013 Batch**

S. No.	Award	Criterion	Awardee	CGPA
1.	Institute Gold Medal Amongst all Branches	Highest CGPA from amongst all B.Tech. Graduating students.	Rishabh Singhal (BT13ECE030)	9.91
2.	Institute Silver Medal Civil Engineering	Highest CGPA from amongst all B.Tech. (Civil Engineering) Graduating students.	Shivpal Singh Bhati (BT13CIV059)	9.37
3.	Certificate Civil Engineering	Second Highest CGPA from amongst all B.Tech. (Civil Engineering) Graduating students.	Pooja Rawat (BT13CIV018)	9.30
4.	Institute Silver Medal Computer Science and Engineering	Highest CGPA from amongst all B.Tech. (Computer Science and Engineering) Graduating students.	Prashant Agarwal (BT13CSE028)	9.85
5.	Certificate Computer Science and Engineering	Second Highest CGPA from amongst all B.Tech. (Computer Science and Engineering) Graduating students.	Akshay Bhatt (BT13CSE008)	9.62
6.	Institute Silver Medal Electrical and Electronics Engineering	Highest CGPA from amongst all B.Tech. (Electrical and Electronics Engineering) Graduating students.	Varun Kush (BT13EEE012)	9.85
7.	Certificate Electrical and Electronics Engineering	Second Highest CGPA from amongst all B.Tech. (Electrical and Electronics Engineering) Graduating students.	Divesh Dang (BT13EEE008)	9.80
8.	Institute Silver Medal Electronics and Communication Engineering	Highest CGPA from amongst all B.Tech. (Electronics and Communication Engineering) Graduating students.	Not given, As awardee is selected for Institute Gold Medal	-
9.	Certificate Electronics and Communication Engineering	Second Highest CGPA from amongst all B.Tech. (Electronics and Communication Engineering) Graduating students.	Praphulla Pandey (BT13ECE019)	9.62
10.	Institute Silver Medal Mechanical Engineering	Highest CGPA from amongst all B.Tech. (Mechanical Engineering) Graduating students.	Aavirbhav Shukla (BT13MEC056)	9.78
11.	Certificate Mechanical Engineering	Second Highest CGPA from amongst all B.Tech. (Mechanical Engineering) Graduating students.	Sujeet Kumar (BT13MEC055)	9.67

#### **S. 10.06      Nomination of Students Representatives in the Senate as a Special Invitee**

The UG/PG and PhD students are bound by the Academic rules of the Institution. The rules framed by the Senate have its implications on the students directly. It is felt that at the stage where such rules are being framed or being deliberated upon, the point of view of the students is very crucial and therefore their voice should be heard. It is proposed to have one student each from UG, PG and PhD stream, with highest CGPA in final year B.Tech., final year M.Tech. and senior most Ph.D. respectively, may be invited as a Special Invitee in the Senate meetings.

The criterion for nomination of student representative shall be based on Highest CGPA. In case, the student with highest CGPA is not available, the student with second highest CGPA and so on may be considered.

The Senate is requested to approve the same.

#### **S. 10.07      Color Specification of the Thesis/Dissertation/Report**

At present the Academic Ordinance is silent on the color specification of the Thesis/Dissertation/Report. The following color specifications are proposed:

Ph.D. Thesis	Black
M.Tech. Dissertation	Blue
B.Tech. Major Project Part – II	Maroon

The Senate is requested to approve the same.

#### **S. 10.08      M.Tech. Dissertation as the outcome of Project Phase II for the M.Tech. students only**

M. Tech. Dissertation guidelines were framed in the 9<sup>th</sup> Senate meeting. However, the ordinances lack clarity whether the Project Phase – II report may be called as Dissertation. Therefore, it is proposed that outcome report of Project Phase II be considered as M.Tech. Dissertation.

The Senate is requested to consider and approve the proposal.



#### **S. 10.09      The Limit of confidence for the Plagiarism Report of M.Tech. Dissertation and Ph.D. Thesis**

It was recommended in the 9<sup>th</sup> Senate meeting (item S.09.04) that the plagiarism check of the dissertation is mandatory and a certificate of plagiarism check should be given by the concerned supervisor.

However, the Academic Ordinance is silent on the limit of confidence for the Plagiarism check. It is proposed that a limit of confidence of 20% (including self-plagiarism) may be set for acceptance of the M.Tech. Dissertation and Ph.D. Thesis.

The Senate is requested to consider and approve the proposal.

#### **S. 10.10      Project Phase II Evaluation for M.Tech. students**

Presently the Academic Ordinance is silent on the evaluation of Project Phase II for the M.Tech. students. The following is proposed for the same:

1. The spiral-bound copies of M.Tech Dissertation (as per the prescribed guidelines) one for each examiner of the committee for evaluation of Project Phase-II shall be submitted to the course coordinator of project phase – II at least one week before the probable date of viva voce (which shall probably be in the 1<sup>st</sup> week of May).
2. Also, a copy of Plagiarism report should also be submitted along with the Dissertation.
3. There shall be only one viva voce for the evaluation of Project Phase-II.
4. In a Departmental meeting, all the faculty members will decide on nominating the common external members (if possible) from other Institution based on their area of expertise. An external member may evaluate atmost 3 dissertations.
5. The name of the external members shall be submitted by Chairman BoS to the course coordinator in the month of March.
6. The course coordinator shall make all necessary arrangements (like noting approval for experts, display of notices regarding schedule of viva voce, submission of result, etc.) for conducting the viva voce of the M.Tech. students.
7. After successfully defending the viva voce, the M.Tech. student shall submit hard bound copies of M.Tech. Dissertation, after making suggested modifications, along with softcopy (preferably PDF on CD/DVD), one each for Academic Section, Institute's Library, Department and Supervisor(s).
8. In case panel/committee is not satisfied with the performance in the 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.

The Senate is requested to consider and approve the proposal.

**S. 10.11 To waive-off the provision of appointment of M.Tech. Supervisor(s) by BoS for the M.Tech. 2016 batch**

It was recommended in the 9<sup>th</sup> meeting of the Senate (item S.09.03) that the 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.

The problems were faced while appointing M. Tech. Supervisors for 2016 Batch, as the registrations of the M. Tech. third semester was held on 18.04.2017 and 19.04.2017. The first examination of the M.Tech. second semester was held on 03.05.2017, however, the above mentioned rules were framed in the 9<sup>th</sup> Senate meeting held on 13.05.2017. Therefore, the M. tech. Supervisor(s) could not be appointed by the BoS for M.Tech. 2016 batch.

It is proposed, that mandate of BoS appointing the M. Tech. Supervisors be waived off for M. Tech. 2016 Batch and further HoDs be empowered to appoint M.Tech. Supervisor(s), instead of BoS, from 2016 Batch onwards.

The Senate is requested to consider and approve the proposal.

**S. 10.12 Provision to offer full time Ph.D. Programme to the Project Staff of the Institute**

As per the resolution in the 9<sup>th</sup> Senate meeting, the Project Staff/JRF/SRF who satisfies the eligibility criteria as per Institute norms are considered for admission to the Ph.D. Programme as part time scholar. However, the part time scholar status discourages the project staff.

Therefore, to encourage more projects in the Institute and successful outcome(s), it is proposed to offer full time PhD status to the Project Staff/JRF/SRF. The full time Ph.D. status will tremendously encourage the potential candidates for the post(s) of the project staff.

The Senate is requested to consider and approve the proposal.

**S. 10.13 Reconsideration of DGPA in the Grading System**

As approved in the sixth meeting of the Senate (item S. 06.03), DGPA was required to be implemented from the Academic Year 2016-17. However, as per the resolution of 13<sup>th</sup> BoG meeting (Item BoG 13.11) (**Annexure S10.06**), BoG desires that the Senate should review the impletementation of DGPA System as per item S. 09.14 (B) and S. 09.14(E) of the 9<sup>th</sup> Senate meeting. Both the items are related to implementation of DGPA.

The Senate is requested to review/reconsider and issue fresh guidelines.

19. Withdrawal of Associate Deanship (Examination) and creation of Associate Deanship (Estate).
20. Approval regarding appointment of Dean (Estate).

Resolution: Ratified.

**BoG 13.10** Item for information.

**Agenda:** 1-Legal Cases

16 writ petitions were filed in Hon'ble High Court of Uttarakhand and Delhi against the Institute. Status of all legal cases are enclosed as Annexure BoG 13.07.

2- Intimation regarding appointments made at the Institute  
Details are enclosed as Annexure BoG 13.08.

Resolution: Noted.

**BoG 13.11** To note and approve the minutes of Senate.

Resolution: Noted and Approved except point no 09.14 (B) and 09.14 (E). The Board desires that Senate to review the same.

**BoG 13.12** To note and approve the minutes of Finance Committee.

Resolution: Noted and Approved.

**BoG 13.13 (a)** Regarding judgment issued by the Hon'ble High Court of Uttarakhand in favour of Mr. Manoj Kumar.

**Agenda:** Mr. Manoj Kumar filed a Writ Petition No.2048 of 2016 at Hon'ble High Court of Uttarakhand for "issue a writ, order or direction in the nature of mandamus commanding the respondent no.2 (NIT Uttarakhand) to give appointment to the petitioner of the selection process". Against which Institute has filed counter affidavit.

Judgment in the said Writ petition was issued by the Hon'ble High Court on dated 28/03/2017 with a version that "since one post is lying vacant, the concerned respondent is directed to offer appointment to the petitioner against that vacant post within a period one month from today with all consequential benefits". Copy of Judgement is enclosed as Annexure I.

Institute had advertised the Advertisement No.1/2014 on dated 24/08/2014 for the post of Non-Teaching staff including Junior Assistant the total 1020 forms were received for the post of Junior Assistant. On the basis of scrutiny total 389 candidates were shortlisted in normal category and 48 were shortlisted under specified category i.e. those who were granted age relaxation. On the basis of Written Test held on 15/10/2014, total 11 candidates (10 General category and 01 OBC category) were successful to appear in the Personal Interview.

Mr. Manoj Kumar having application No.JA/554 shortlisted under specified category (as OBC candidate) and only candidate who was in the Personal Interview panel against the two posts embarked for the OBC category in the mentioned advertisement. Mr. Manoj Kumar was not recommended for appointment by the Selection Committee.

#### **S. 10.14      Framing the General Guidelines for Ph.D. Thesis**

Presently, Institute Ordinances, Rules and Regulations for Ph.D. are silent regarding the general guidelines for Ph.D.Thesis. The proposed general guidelines for Ph.D. Thesis are attached as **Annexure S10.07**.

The Senate is requested to consider and approve the proposal.



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

- Inner Title page
- Certificate
- Acknowledgement
- Abstract
- Table of Contents
- List of Publications
- 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 THESIS****General guidelines**

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

**Outer Title Page (As attached)**

- Title of Thesis.
- Ph.D. Thesis.
- Name of student.
- Institute logo.
- Place of submission.
- Month and year of submission (Example: May, 2018).

**Inner Title page (As attached)**

- Title of Thesis.
- The following statement must also appear: A Thesis submitted in partial fulfillment of the DOCTOR OF PHILOSOPHY 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 Thesis preferably in APA/MLA/ACS style. Few examples are given underneath.

## Binding

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

Front Cover Color: Black

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 Thesis. (16 + Bold & Single Space)
- Ph.D. Thesis (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).

Ph.D.  
Thesis

<Name of the Candidate>

<Month  
Year>

<TITLE>

Ph.D. Thesis

by

<CANDIDATE NAME>



<NAME OF THE DEPARTMENT>

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

<Month, Year>

<TITLE>

A Thesis

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

*of*

DOCTOR OF PHILOSOPHY

*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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## NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

### CANDIDATE'S DECLARATION

I hereby certify that the work which is being presented in the Thesis entitled <TITLE> in partial fulfillment of the requirements for the award of the Degree of Doctor of Philosophy and submitted in the Department of <Name of the Department> 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 of the Supervisor(s)>, <Designation of the Supervisor(s)>, <Name of the Department> National Institute of Technology, Uttarakhand.

The matter presented in this Thesis 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. 10.15 New conversion formula from CGPA to Percentage**

The existing conversion formula from CGPA to percentage is complex and 6.75 CGPA stands equivalent to 60.01%. The existing conversion formula is as under:

$$\text{CGPA} = \frac{-0.81 + \sqrt{(0.81)^2 - 4 \times (0.60)(27.20 - \text{Percentage})}}{2 \times 0.60}$$

In other NITs, 6.5 CGPA stands equivalent to 60%. Therefore, it can be seen that students of NIT Uttarakhand stand to loose due to existing conversion formula. Due to the difference of 0.25 CGPA, some students are declared ineligible for placements.

In view of the above, it is proposed to adopt a new and simple conversion formula from CGPA to percentage as under:

$$\text{Percentage} = 10 \times \text{CGPA}$$

The Senate is requested to consider and approve the proposal.

### **S. 10.16 Revised Leave rules for Ph.D. Scholars**

With reference to resolution of the 5<sup>th</sup> Senate meeting (item S.05.11), the Senate approved the leave entitlement to the full time PhD research scholars. Rule (b) of the clause says that the leave shall be credited on the pro rata basis of 2.5 days per completed Calendar month or part of it, credited on the 27<sup>th</sup> of each month. However, with reference to the MHRD letter F.NO.17-2/2014-TS.I dated 18.02.2015, the leaves shall be treated as casual.

It is proposed that the existing Rule (b)

*“Leave shall be credited on the pro rata basis of 2.5 days per completed Calendar Month or part of it, credited on the 27th of each month.”*

and Rule (c)

*“The leave shall be allowed to accumulate till completion of the Fellowship period.”*

May be replaced by

*“Total 30 days leave per Academic Year shall be admissible to the Ph.D. 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.”*

The Senate is requested to consider and approve the proposal.

### S. 10.17 Crediting of Zero Credit Courses namely Project, Practical Training, Sports-I and Sports-II for of B.Tech. programme

Presently there are six Zero Credit Courses in B. Tech. curriculum namely, Sports-I, Sports-II, Project, Literature Review Paper Writing, Practical Training and, Community Project, which are mandatory to obtain a B.Tech. degree.

As per Ordinances rules and regulations (Course Book 2016), Project, Literature Review Paper Writing, and Community Project are D-type courses whose credits may lie in the range of 0-10 , Practical Training is a T-type course whose credits may lie in the range of 0-6 but there is no range for Sports-I and Sports-II.

Lots of efforts and time is invested by the students to complete these courses, however, Zero Credit is awarded.

It is proposed that:

- (a) The credits of Project (D-Type Course) and Practical Training (T-Type Course) may be credited as 1 credit instead of 0. Only Project (XXD201) and Practical Training (XXT201) of parent department shall be considered for 1 credit.
- (b) The credits of Sports-I (B-Type) and Sports-II (B-Type) may be credited as 1 credit instead of 0. To give one credit each to Sports-I (B-Type) and Sports-II (B-Type), these courses shall have to be converted from B-Type to P(Practical)-Type courses with structure 0-0-2 (L-T-P).

Credits of these courses namely Project (XXD201), Practical Training (XXT201), Sports-I (SPP101) and Sports-II (SPP102) shall be counted under open courses for degree requirement of B.Tech. programme i.e. the courses under “**Non Credit Requirement**” shall be reduces from six courses to two courses. Accordingly the degree requirement for the B.Tech. programme, as per the clause 4.1.1 of the Ordinances, Rules and Regulations (Course Book 2016) of the Institute, shall be as under:

<b>S.No.</b>	<b>Category</b>	<b>Symbol</b>	<b>B.Tech. (4-year)</b>
<b>1</b>	<b>UG Core</b>	<b>UC</b>	<b>106</b>
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
<b>2</b>	<b>UG Elective</b>	<b>UE</b>	<b>54</b>
2.1	Departmental Electives	DE	25 (minimum)
2.2	Humanities, Social Sciences, Management	HM	6 (minimum)
2.3	Open Courses	OC	23 (balance)
<b>3</b>	<b>Non Credit Requirement</b>	<b>UN</b>	<b>0 (2 Courses)</b>
<b>4</b>	<b>TOTAL REQUIREMENT</b>		<b>160 (Minimum)</b>



These modifications shall be applicable for the students admitted from Academic Year 2018-19 onwards.

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

#### **S. 10.18      Remove the provision of Course Coteacher**

As per the clause 2.8 of the Ordinances, Rules and Regulations (Course Book 2016) of the Institute:

*“In addition to the Course Coordinator, a Course Coteacher shall be assigned. This co-teacher shall assist the Course Coordinator in conducting the course by way of teaching the course / evaluating the assignments, and take over as course coordinator under situation of administrative emergency. Normally a course coordinator's share of total quantum of work to teach a course will be 66.7%.”*

Therefore, each course is being taught by two faculties. However this provision creates an issue amongst the students as they find it difficult to understand the course.

It is proposed to remove the provision of *Course Coteacher* and only one faculty i.e. *Course Coordinator* shall teach the whole course.

The Senate is requested to consider and approve the proposal.

#### **S. 10.19      Proposed format of Grade Card, Degree Certificate and Provisional Degree Certificate for Ph.D. programme**

As approved in the 5th meeting of the Board of Governors, (Item No. BoG 05.09), Institute started Ph.D. Programme from Spring Semester 2014. However, the formats of Grade Card, Degree Certificate and Provisional Degree Certificate have not been formalized.

The proposed format of Grade Card, Degree Certificate and Provisional Degree Certificate to be issued to the Ph.D. scholars are enclosed as **Annexure S10.08**, **Annexure S10.09** and **Annexure S10.10** respectively.

The Senate is requested to approve the same.

**Programme: Doctor of Philosophy in Technology (Mechanical Engineering)****Name: Manoj Kumar Gupta****Roll No. : DT14MEJ001**

Course Code	Course Title	EX	Cr	Gr	AG
MEL422	Composite Materials	SS15	8	AB	H
SCL407	Synthesis and Characterization of Material	SS15	6	AB	H
HML409	Effective Communication in English	SS15	6	PP	H

Course Code	Course Title	EX	Cr	Gr	AG
HML601	Communication Skills	ST17	6	PP	M
HML602	Research Methodology	ST17	6	PP	H

Semester	I	II	III	ST	Cumulative
Credits Earned	14	-	-	-	14
Audit Credits Earned	-	-	-	12	12
SGPA	9.00	-	-	-	9.00 (CGPA)
Non Credit Courses Awarded	-	-	-	-	-

**Date:****Result: Eligible for Award of Degree****Assistant Registrar (Academic)**

## राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड

अभिषद की अनुशंसा पर

यांत्रिकी अभियांत्रिकी

में

विद्या वाचस्पति

की उपाधि

रोहन

को प्रदान करता है।

इन्होंने उपाधि प्राप्त करने हेतु आवश्यक अर्हताएं वर्ष 2018 में पूर्ण कर ली हैं।

आज दिनांक 14 अक्टूबर 2018 को संस्थान की मुद्रांकित यह उपाधि दी गई है।

शोध प्रबन्ध: फैब्रिकेशन एण्ड कैरेक्टराइजेशन ऑफ एल्यूमीनियम सरफेस कम्पोजिट।

## **NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND**

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

in

**Mechanical Engineering**

on

**Rohan**

who has fulfilled the requirements for the award of degree in Year 2018.

Given under the seal of the Institute on the 14<sup>th</sup> day of October 2018.

Thesis: Fabrication and Characterization of Aluminium Surface Composite.

REGISTRAR

DIRECTOR

CHAIRMAN  
BOARD OF GOVERNORS

**Provisional Degree Certificate**

This is to certify that \_\_\_\_\_ Roll No. \_\_\_\_\_ has successfully completed the requirement of **Doctor of Philosophy** in **Mechanical Engineering** (Thesis: Fabrication and Characterization of Aluminium Surface Composite). The medium of instructions during the course of studies was English.

During his stay in this Institute his conduct and behavior was **good**.

Date:

**Associate Dean (Academic)**



**S. 10.20      Proposed format of Grade Card, Degree Certificate and Provisional Degree Certificate for M.Tech. programme**

As approved in the 7<sup>th</sup> meeting of the Senate, Institute has started M. Tech. programme in five Departments with two Specializations in each from Academic Year 2016-17. However, the formats of Grade Card, Degree Certificate and Provisional Degree Certificate have not been formalized.

The proposed format of Grade Card, Degree Certificate and Provisional Degree Certificate to be issued to the M.Tech. students are enclosed as **Annexure S10.11, Annexure S10.12** and **Annexure S10.13** respectively.

The Senate is requested to approve the same.

**Programme: Master of Technology in Civil Engineering (Specialization: Structural Engineering)****Name: Baldev Singh****Roll No. : MT15CIV001**

Course Code	Course Title	EX	Cr	Gr	AG
CEL421	Numerical Methods in Civil Engineering	AS16	3	CC	H
CEL415	Non-Destructive Testing of Material	AS16	4	CC	H
CEL416	Design of Prestressed Concrete and Industrial Structure	AS16	4	BB	H
CEL424	Advanced Civil Engineering Materials	AS16	4	BC	H
CEL423	Modelling , Analysis and Simulation	AS16	3	AB	H
CEL425	Theory of Elasticity	AS16	3	BC	H
HMP101	Preparatory English	AS16	0.5	PP	N
CEL420	Structure Dynamics	SS17	4	BB	H

Course Code	Course Title	EX	Cr	Gr	AG
CEL427	Advanced Mathematics for Civil Engineers	SS17	3	AB	H
CEL409	Advanced Concrete Design	SS17	4	BB	H
CEL406	Finite Element Method	SS17	4	AB	N
CEL422	Optimization Technique in Civil Engineering	SS17	3	BB	H
CED501	Project Phase-I	AS17	5	BB	N
CED503	Seminar	AS17	2	CC	M
CED502	Project Phase-II	SS18	10	BB	H

Semester	I	II	III	IV	Cumulative
Credits Earned	21	18	07	10	56
Audit Credits Earned	1	0	0	0	1
SGPA	7.14	8.39	8.00	7.00	<b>7.73</b> (CGPA)
Non Credit Courses Awarded	0	0	0	0	0

**Date:****Result: Eligible for Award of Degree****Assistant Registrar (Academic)**

## राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड

अभिषद की अनुशंसा पर  
जानपद अभियांत्रिकी  
(परिवहन अभियांत्रिकी)  
में  
प्रौद्योगिकी निष्णात  
की उपाधि  
**बलदेव सिंह**  
को प्रदान करता है।

इन्होंने उपाधि प्राप्त करने हेतु आवश्यक अर्हताएं वर्ष 2018 में  
10 अंकीय मापक्रम में संचित कोटि अंक औसत 7.73 के साथ पूर्ण कर ली हैं।  
आज दिनांक 14 अक्टूबर 2018 को संस्थान की मुद्रांकित यह उपाधि दी गई है।

### **NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND**

upon the recommendation of the Senate hereby confers the degree of

**Master of Technology**

in

**Civil Engineering**

**(Transportation Engineering)**

on

**Baldev Singh**

who has fulfilled the requirements for the award of degree in Year 2018 with

Cumulative Grade Point Average 7.73, on a 10 point scale.

Given under the seal of the Institute on the 14<sup>th</sup> day of October 2018.

REGISTRAR

DIRECTOR

CHAIRMAN  
BOARD OF GOVERNOR

**Provisional Degree Certificate**

This is to certify that \_\_\_\_\_ Roll No. \_\_\_\_\_ has successfully completed the requirement of **Master of Technology in Computer Science and Engineering Programme** with a Cumulative Grade Point Average of \_\_\_\_ on a 10 point scale in the year \_\_\_\_\_. The medium of instructions during the course of studies was English.

During his stay in this Institute his conduct and behavior was **good**.

Date:

**Associate Dean (Academic)**



### S. 10.21 Reduction of seats in each branch (each course) by 50%

While presenting the status report on students agitation in the 14<sup>th</sup> meeting of the Board of Governors (Item BoG 14.17) (**Annexure S10.14**), the Board of Governors resolved as follows:

*“the Board of Governors is of the opinion to reduce intake of the students by 50% in each branch (each course) from the next Academic Session i.e. 2018-19 and it may further be reduced to zero if the situation does not improve.”*

Keeping in view the above, it is proposed to reduce the present annual intake by 50% in each branch (each course) from Academic Year 2018-19 and onwards as follows:

S. No.	Program/Course	Existing Intake	Proposed Intake
1.	<b>B. Tech.</b>		
	(i) Civil Engineering	60	30
	(ii) Computer Science and Engineering	60	30
	(iii) Electrical and Electronics Engineering	60	30
	(iv) Electronics and Communication Engineering	60	30
	(v) Mechanical Engineering	60	30
	<b>Total</b>	<b>300</b>	<b>150</b>
2.	<b>M. Tech.</b>		
	(i) Civil Engineering	15	08
	(ii) Computer Science and Engineering	15	08
	(iii) Electrical and Electronics Engineering	15	08
	(iv) Electronics and Communication Engineering	15	08
	(v) Mechanical Engineering	15	08
	<b>Total</b>	<b>75</b>	<b>40</b>
3.	<b>Ph.D.</b>		
	<b>Total</b>	10	5

The Senate is requested to approve the reduction of seats.

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

**BoG 14.16** Ratification of notes approved by the Chairman.

**Resolution:** Ratified.

**BoG 14.17** Items for Information.

**Resolution:** Noted. The Board is of the view that some of the major reasons for an unfortunate student's agitation are

- a) Gross lack of infrastructure in the temporary campus.
- b) Non allotment of suitable land for permanent campus by the State Government.
- c) Non allotment of additional land at the temporary campus for construction of additional student's hostels by the State Government.

NIT Uttarakhand while in temporary campus severely lacks infrastructure to accommodate such a large number of students i.e. 1400. The present infrastructure within the campus as well as the hired accommodation for the students can accommodate only 600-700 students.

The land for permanent campus is not yet allotted, therefore, there is likelihood of the Institute to continue to operate from its temporary campus next for 4-5 years. The repeated requests to the State Government, for allotment of additional land, has been denied, therefore, construction of new additional hostel buildings, in and around the temporary campus, is not possible.

The Board urges the Ministry of HRD to communicate with the State Government to resolve these issues as early as possible.

In view of the above, the Board of Governors is of the opinion to reduce intake of the student by 50% in each branch (each course) from the next Academic Session i.e. 2018-19 and it may further be reduced to zero if the situation does not improve.

**BoG 14.18** To note and approve the minutes of Finance Committee.

**Resolution:** The minutes of 11<sup>th</sup> Finance Committee held on 06/12/2017 shall be confirmed in next BoG committee.

**BoG 14.19** (A) Submission of the Report of the Inquiry Officer in the disciplinary proceedings against Dr. Ajay Kumar Chaubey and Dr. Saroj Ranjan De.

**Agenda** Secretary, MHRD was appointed as an Inquiry Officer for the Departmental Enquiry instituted against Dr. Ajay Kumar Chaubey and Dr. Saroj Ranjan De.

The enquiry started on 21/02/2016 and continued till 24/11/2017 with Eight hearings. A report containing details of the proceedings in the case as well as recommendations of the Inquiry Officer is enclosed as Annexure-I & II for the Board of Governors to take a view in this matter.

**S. 10.22      To Offer Part Time M. Tech. Programme from Autumn Semester 2018**

As approved in 8<sup>th</sup> Meeting of the Senate (item S 08.16), Part Time M. Tech. programme for working employees of Govt./Semi-Govt./PSU/Autonomous Bodies under Centre/State was to be started from Academic Year 2017-18, However, the program could not be offered in Autumn Semester 2017.

It is proposed to now offer Part Time M. Tech. programme from Academic Year 2018-19 onwards.

The Senate is requested to approve the same.

**S. 10.23      Any other item with the permission of Chairman, Senate**

Registrar  
Secretary, Senate