

**National Institute of Technology,  
Uttarakhand**



# **AGENDA**

**12<sup>TH</sup> MEETING OF THE SENATE  
(21<sup>ST</sup> JULY 2018)**

**Twelfth Meeting of the Senate  
National Institute of Technology, Uttarakhand**

Date: 21 July 2018  
Time: 03:00 PM  
Venue: Ganga Resort GMVN, Rishikesh, Uttarakhand

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**Registrar  
Secretary, Senate**

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

The minutes of the Eleventh meeting of the Senate held on 20<sup>th</sup> May 2018 are enclosed as **Annexure S12.01.**

The Senate is requested to confirm the Minutes.

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

**MINUTES OF THE 11<sup>th</sup> MEETING OF THE SENATE HELD ON 20<sup>th</sup> May, 2018.**

The Eleventh meeting of the Senate was held at the Committee Room of the Institute at 04:00 PM on 20<sup>th</sup> May, 2018. Following members were present:

1. Prof. Shyam Lal Soni, Director	-	Chairman
2. Prof. Ravindra Nagar, MNIT, Jaipur	-	Member
3. Prof. Mannar Ram Maurya, IIT, Roorkee	-	Member
4. Col. Sukhpal Singh, Registrar	-	Secretary
5. Dr. Anupam Yadav, Asso. Dean (Academic)	-	Special Invitee
6. Dr. Abhimanyu Kumar, Asso. Dean (R&C)	-	Special Invitee
7. Dr. Kranti Jain, Asso. Dean (P & D)	-	Special Invitee
8. Dr. Pawan Kumar Rakesh, Asso. Dean (FW)	-	Special Invitee
9. Dr. Kuldeep Sharma, Asso. Dean (SW)	-	Special Invitee
10. Mr. Shashi Narayan, I/c Asso. Dean (Estate)	-	Special Invitee
11. Dr. Aditya Kumar Anupam, HoD (CE)	-	Special Invitee
12. Dr. Nitin Kumar, HoD (CS)	-	Special Invitee
13. Dr. Pankaj Kumar Pal, HoD (EC)	-	Special Invitee
14. Dr. Saumendra Sarangi, HoD (EE)	-	Special Invitee
15. Dr. Anshul Sharma, HoD (ME)	-	Special Invitee
16. Dr. I.M. Nagpure, HoD (S&H)	-	Special Invitee
17. Mr. Jagdeep Singh, Assistant Registrar (Acad.)	-	Special Invitee
18. Ms. Deepshikha Painuly, Ph.D. Representative	-	Special Invitee

Prof. Rashmi Gaur, IIT, Roorkee could not attend the meeting due to some prior commitments.

At the outset, Secretary, Senate welcomed the Chairman Senate and requested him to chair the 11<sup>th</sup> meeting of the Senate. The Chairman extended a warm welcome to the Senate members and Special Invitees.

The Senate discussed the agenda and resolved as under:

**S.11.01. Confirmation of the Minutes of the Tenth meeting of the Senate.**

Resolution: Confirmed.

**S. 11.02 Actions Taken Report**

Resolution: Noted.





**S. 11.03 Ratification of notes approved by the Chairman Senate.**

Some urgent issues as listed below were discussed with the Chairman, Senate and its approvals were taken in related matters. The details of approvals taken are as under and enclosed as **Annexure S11.02.**

Sr. No.	Name of the Noting
1.	Appeal for one last chance to continue B.Tech. programme of Mr. Shubham Tiwari
2.	Appeal for one last chance to continue B.Tech. programme of Mr. Chandan Kumar
3.	Appeal for one last chance to continue B.Tech. programme of Mr. Pankaj Singh Rana
4.	Regarding late submission of Institute fee by Mr. Kumar Raj
5.	Regarding award of minor degree
6.	Relaxation in lower limit for credits registered for B.Tech. final year

The Senate is requested to ratify the same.

Resolution: Ratified

**S. 11.04 To increase the number of seats for the Ph.D. programme.**

In compliance to the item no. 09.11 of the 9th meeting of the Senate regarding the increase in the annual intake of Ph.D. scholars, 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.

The recommendation of the committee is attached as Annexure S11.03.

Senate is requested to approve the recommendations and the annual intake for the Ph.D. programme may be increased from 10 to 15 seats.

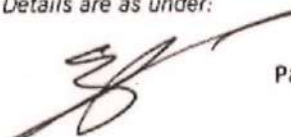
Resolution: Senate resolved that each faculty member can supervise maximum four candidates registered under him for PhD programme at any one time, out of which maximum two candidates can be offered MHRD scholarship. Accordingly the annual intake shall be decided by the SPGB.

Other issues related to PhD curriculum and its conduct shall be framed and approved by the SPGB. Accordingly PhD Ordinances be updated appropriately which shall be brought to the Senate for approval and implementation.

**S. 11.05 To cancel admission of the students who are continuously absent from the Institute.**

As per rule no. 3.17.2 of the Ordinances, Rules and Regulations of the Institute "a student who does not enroll without withdrawing a semester can be removed from the roll of the Institute." Further as per rule no. 3.17.1 an UG student can withdraw for maximum of two semesters during the course of completion of programme and a PG student can withdraw for maximum of one semester.

There are 05 students (UG-02 and PG-03) who have not enrolled for more than two/one semesters. Communications have been done with them and their parents. In spite of mentioning of deadline in the communication letters neither the students nor their parents have reported in the Institute (Letters attached as **Annexure S11.04.** Details are as under:



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Name	Roll No.	Course	Last Enrolled in
Prashant Kumar	BT13CIV013	UG	Spring Semester 2016
Aayush Kothiyal	BT16MEC001	UG	Spring Semester 2017
Aman Meshram	MT16ECE005	PG	Spring Semester 2017
Hitesh Kumar	MT17CIV003	PG	Autumn Semester 2017
Renuka Singh	MT17CSE001	PG	Autumn Semester 2017

It is proposed that name of above mentioned 05 students shall be removed from the Institute roll.

The Senate is requested to consider the matter for directions.

Resolution: Approved.

#### S. 11.06 To consider case of two students who have not completed credit requirement.

As per the Ordinances, Rules and Regulations, student should earn at least 15(30) and 35(70) credits after 2<sup>nd</sup> and 4<sup>th</sup> semester respectively to continue his/her B.Tech. Programme at this Institute.

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

Sr. No.	Name of the Student	Roll No.	Completed Credits	Required Credits
1.	Chandan Kumar*	BT16CSE042	36	70
2.	Pankaj Singh Rana**	BT15EEE008	06	15

Parents of the above two students were informed. These students have submitted an appeal for one last chance.

\*Mr. Chandan Kumar (BT16CSE042) has been permitted by the Chairman, Senate to enroll for Autumn Semester 2017 with the condition that he will have to earn minimum 15 credits in the Autumn Semester 2017 otherwise his name shall be removed from the Institute Roll.

An affidavit has been submitted by the student and his parent that conditions of last chance are acceptable to them. Mr. Chandan Kumar (BT16CSE042) has not completed the credit requirement of 15 credits in the Autumn Semester 2017.

It is proposed that name of Mr. Chandan Kumar (BT16CSE042) shall be removed from the Institute roll.

\*\* Pankaj Singh Rana (BT15EEE008) has permitted by the Chairman, Senate to enroll for Autumn Semester 2017 with the condition that he will have to earn minimum 30 credits in the Autumn Semester 2017 otherwise his name shall be removed from the Institute Roll. But Mr. Pankaj Singh Rana (BT15EEE008) has not enrolled for Autumn Semester 2017 and also for Spring Semester 2018.

As per rule no. 3.17.2 of the Ordinances, Rules and Regulations of the Institute "a student who does not enroll without withdrawing a semester can be removed from the roll of the Institute."

It is proposed that name of Pankaj Singh Rana (BT15EEE008) shall be removed from the Institute roll.

Permission to enroll for Autumn Semester 2017 and affidavit submitted by the students are attached in **Annexure 11.05**.

The Senate is requested to consider the matter for directions.

Resolution: Approved.



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**S. 11.07 To approve the change in nomenclature.**

*To enhance the clarity in the Academic activities of the Institute, the following nomenclature may be considered for the possible implementation.*

<b>Old Nomenclature</b>	<b>Proposed Nomenclature</b>
Autumn Semester	Odd Semester
Spring Semester	Even Semester
Sessional - I	Mid Term - I
Sessional - II	Mid Term - II
Board of Under-Graduate Studies (BUGS)	Senate Under Graduate Board (SUGB)
Board of Post-Graduate Studies (BPGS)	Senate Post Graduate Board (SPGB)

*Senate is requested to approve the proposal.*

Resolution: The Senate approved the proposed change in nomenclature and in addition to the same, the Senate directed to constitute two new Department level bodies namely Department Under Graduate Committee (DUGC) and Department Post Graduate Committee (DPGC) in each Department. The roles and responsibilities of DUGC and DPGC be defined by SUGB and SPGB, respectively.

**S. 11.08 To approve the minutes of Curriculum Development Workshop of various Departments.**

*All the Departments have organized Curriculum Development Workshop (CDW) for the revision of courses. The minutes of CDWs are attached as **Annexure S11.06**.*

*The Senate is requested to approve the same.*

Resolution: The Senate resolved to place the minutes of CDW for vetting to SUGB and SPGB through corresponding DUGC and DPGC.

**S. 11.09 To approve the Academic Calendar.**

*Academic Calendar 2018-19 is prepared after discussion with all Associate Deans and HoDs.*

*The Senate is requested to approve the Academic Calendar 2018-19 enclosed as **Annexure S11.07**.*

Resolution: The senate approved the implementation of the proposed Academic Calendar with following resolutions and modifications:

- The Institute shall observe the Mid Term Break from 3<sup>rd</sup> November, 2018 to 11<sup>th</sup> November 2018.
- Wednesday Time Table shall be followed on 1<sup>st</sup> December, 2018.
- The Make-up facility is hereby discontinued w.e.f. Academic Year 2018-19, accordingly clause 2.11 of the Under Graduate and Post Graduate Ordinances of the Institute related to Course Evaluation be modified.
- In case a student is absent in any Mid Term Examination (MTE) on legitimate grounds such as serious medical problem, death of first blood

relative etc., Special MTE shall be conducted normally within 10-15 days from the last date of corresponding MTE. Such requests, for Special MTE, by students shall be approved by the respective HoDs on the recommendations of the concerned Course Coordinator.

- v. Consequently, the provision of EE Grade shall be discontinued w.e.f. Academic Year 2018-19. All other rules/regulations associated with EE Grade shall also be discontinued and Ordinances be modified accordingly.
- vi. In case a student is absent in End Term Examination (ETE) on legitimate grounds such as serious medical problem, death of first blood relative etc., the student may apply for GG Grade and Special ETE shall be conducted normally within 10 days from the last date of corresponding End Term Examination. Such requests, for Special ETE, by students shall be approved by the Dean Academic/Associate Dean Academic on the recommendation of the concerned HoD. FF/DD/CC/PP/SS Grades may be awarded in case of Special ETE. AA to BC Grades shall not be awarded to those who appear for Special ETE.
- vii. Any student who gets an FF Grade in a course, but is having minimum 75% attendance in that course, may appear for a Supplementary Examination of that particular course which will be normally held in the third week of July. The facility of Supplementary Examination is limited to maximum two courses in an academic year on approval of Dean Academics/Associate Dean Academics. The Supplementary Examination shall be conducted only for the theory portion. The marks of the Practical's and Assignments previously earned in the respective course of such student shall be carried forward as it is and appropriated into the marks obtained in the Supplementary Examination. Request of the Student for Supplementary Examination should be submitted within three days of the last date of Special ETE. Such requests shall be approved by the Dean Academics/Associate Dean Academic on recommendations of respective HoD. FF/DD/CC/PP/SS Grades may be awarded in case of Supplementary Examination. AA to BC Grades shall not be awarded to those who appear for Supplementary Examination.

**S. 11.10 To approve the exemption of GATE/NET for Part-time Ph.D. programme.**

*The Institute being in the remote location, very few applications are received for the Part-time Ph.D. programme with GATE/NET. GATE/NET is required to provide scholarship to Ph.D. scholars. Since scholarships are not given to part time Ph.D. scholars, therefore for the admission of part-time Ph.D. scholars, GATE/NET may be exempted.*

*The Senate is requested to approve the same.*

Resolution: The Senate resolved that the exemption of GATE/NET for part time Ph.D. programme shall only be given to the applicants who are serving employee in Central/State Govt., PSU, and Autonomous Bodies with minimum two years of continuous service. The selection procedure shall be same as for full time Ph.D. programme. Other rules i.r.o. registration, enrollment, course work, attendance, pre-registration seminar, thesis submission etc. shall be applicable as per Ph.D. Ordinances of the Institute.





**S. 11.11 To consider research publication criterion for PhD Thesis submission.**

*The rule 4.2.3 of Ordinance, Rules and Regulations of PhD program says*

*'A candidate should have at least one paper accepted/published on his/her Ph.D. work in an international/National refereed Journal approved by the Institute before the submission of the thesis'.*

*In order to simplify this rule and to promote the quality research in the Institute, it is proposed that the following shall be replaced with the rule 4.2.3 of Ordinance, Rules and Regulations of PhD program:*

*'A candidate should have at least One paper accepted/published on his/her Ph.D. work in SCI/SCIE indexed journals before the submission of the thesis. In case of candidate from Humanities stream at least one paper accepted/published from Ph.D. work in UGC approved journals.'*

Resolution: The Senate resolved as under:

"A candidate should have at least:

- i. One paper accepted/published in SCI/SCIE indexed journals and at least one paper accepted/published in an International/National Conference, from his/her PhD Thesis before the submission of the PhD Thesis for Engineering and Sciences stream.
- ii. One paper accepted/published in Scopus Indexed UGC approved journals and at least one paper accepted/published in an International/National Conference, from his/her PhD Thesis before the submission of the PhD Thesis for Humanities stream."

This shall come into force from immediate effect.

**S. 11.12 Remuneration for PhD Thesis evaluation.**

*The following remuneration is proposed for the PhD thesis evaluation*

Indian Examiner	Rs. 5000/-
Foreign Examiner	USD 200/-

*The Senate is requested to approve the same.*

Resolution: The Senate resolved as under:

Indian Examiner	₹ 5000/- For Thesis Evaluation and ₹ 5000/- For Viva Voce Examination
Foreign Examiner	USD 400/-

**S. 11.13 To consider the various formats for submission of PhD thesis.**

*As approved in the 5<sup>th</sup> meeting of the Board of Governors, Institute has started its first Ph.D. Programme from Spring Semester 2014. The various forms in respect of submission of Ph.D. Thesis have been prepared and attached as **Annexure S11.08**.*

*The Senate is requested to approve the same.*

Resolution: Approved.



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## S. 11.14 Issuance of Duplicate Certificate.

Presently the Undergraduate and Post graduate ordinances of the Institute are silent about the rules and procedure in respect of issue of duplicate certificates to the students. Four batches have been passed out from the Institute. The demand for issue of duplicate certificates (Degree Certificate/Grade Card/Provisional Degree Certificate/ Leaving/Migration Certificate/Character Certificate) may be raised by the passed out students in near future. The rules and procedure are prepared to issue duplicate certificate(s) is as under:

### Rules:

1. The certificates such as Degree Certificate, Grade Card, Provisional Degree Certificate, Leaving/Migration Certificate and Character Certificate are issued only once to the students. These certificates in duplicate may be issued **only** for genuine cases, if the original certificate(s) is/are really lost or stolen or damaged.
2. The duplicate Degree Certificate will be signed by the Registrar and the Director & Chairman, Senate NIT Uttarakhand. The duplicate Degree Certificate will be prepared same as original one except for the signature of the Chairman, Board of Governors. In place of the signature of the Chairman, Board of Governors, **Sd/-** will be written on the Degree Certificate.
3. The duplicate Grade Card will be issued by the Assistant Registrar (Academic). The duplicate Grade Card will be prepared same as original one except the inscription of **'DUPLICATE'** on top of the duplicate Grade Card.
4. The duplicate Provisional Degree Certificate, Leaving/Migration Certificate and Character Certificate will be issued by the Associate Dean (Academic). The duplicate Provisional Degree Certificate, Leaving/Migration Certificate and Character Certificate will be prepared same as original one except the inscription of **'DUPLICATE'** on top of the duplicate Certificate.

### Procedure:

1. Register an FIR (First Information Report) for loss/theft of the certificate(s) to the nearest Police Station.
2. In case of Degree Certificate/Grade Card/Provisional Degree Certificate, advertise the loss in a National Daily furnishing the details of the Degree Certificate/Grade Card/Provisional Degree Certificate and the full address of the candidate with a request for return of the document if received within a reasonable period. After waiting for 15 days apply with the newspaper cutting.
3. An application (Available on Institute website) duly signed by the candidate for duplicate certificate(s) should be submitted to Dean/Associate Dean (Academic), NIT, Uttarakhand along with following documents:
  - i. Copy of FIR (First Information Report).
  - ii. The full sheet of the copy of the advertisement published in a newspaper regarding the loss should be enclosed for verifying the date of issue, name and page number of the newspaper.
  - iii. A non – traceable certificate issued by the Police official duly signed by the Inspector or Sub - Inspector with round seal (from the area in which the candidate lost the certificate) by mentioning Crime and Occurrence Sheet Number and Date. (Format of affidavit given in the application form).
  - iv. The Demand Draft of the requisite fees for making duplicate certificate (s). The Demand Draft should be in favor of The Director, NIT Uttarakhand drawn on any bank at Srinagar (Garhwal).
  - v. An Affidavit on a non-judicial stamp paper duly signed on the prescribed stamp by the Notary Public (original). (Format of affidavit given in the application form).
  - vi. Photocopies of the lost or stolen documents. (If available).

vii. Photocopy of an ID Proof (PAN Card/Aadhaar Card/Driving License/Voter ID card).

4. Above formalities are not required in case one is applying for issue of duplicate certificate(s) on account of mutilation of certificate(s). Then candidate is required to attach mutilated certificate(s) with his application and Demand Draft of the requisite fees for making duplicate certificate(s).

5. Fees/Charges for making duplicate certificate is as under:

Sl. No.	Certificate	Fees/Charges
1.	Duplicate Degree Certificate	Rs. 1000
2.	Duplicate Grade Card	Rs. 1000
3.	Duplicate Provisional Degree Certificate	Rs. 500
4.	Duplicate Leaving/Migration Certificate	Rs. 500
5.	Duplicate Character Certificate	Rs. 500

**Processing Time:**

Minimum 5-6 weeks after receipt of application along with all mentioned documents and Demand Draft of the requisite fees. In case of mismatch/ incomplete documents, the issue of duplicate certificate(s) will be further delayed. Duplicate certificate(s) will be issued only after due verification and the institute is convinced that the request is genuine. Formats of various forms related to issuance of duplicate certificates are enclosed as **Annexure 11.09**.

Resolution: Approved.

**S. 11.15 Conversion of status of Ph.D. Programme from Full Time to Part Time i.r.o. Mr. Lalit Ranakoti (DT16MEJ001).**

Mr. Lalit Ranakoti (DT16MEJ001) research scholar, Department of Mechanical Engineering vide his letter dated 27.03.18 has requested for the conversion of his Ph.D. from full time status to part time on personal grounds. Rule 4.11 PhD Ordinance, Rules and Regulations provides the provision of conversion of Full time to Part time Ph.D. Programme.

The Senate is requested to approve the same.

Resolution: Approved.

**S. 11.16 Review of Provision of Summer Term/ Winter Term.**

Rule 4.12 of the Under Graduate and Post Graduate Ordinances of the Institute describe the provision of Summer Term / Winter Term. As per the resolution of 14<sup>th</sup> Finance Committee meeting (Item FC 14.08) (Annexure 11.10), duly confirmed in 17<sup>th</sup> meeting of Board of Governors, Finance Committee desires that the Senate should review the provision of Summer Term/ Winter Term.

The Senate is requested to review the provision of Summer Term/ Winter Term and issue fresh guidelines.

Resolution: The Senate resolved that Summer/Winter Term may be offered in special cases only for B. Tech. 4<sup>th</sup> Year students with approval of the Chairman Senate. Other rules and regulations of Summer/Winter Term shall remain same.





**S. 11.17 Nomination of two faculty members to the Board of Governors.**

*As approved in the first Senate meeting held on 26<sup>th</sup> May, 2013, two representatives from amongst the faculty are to be nominated on the Board of Governors by the Senate. The tenure of previously nominated two faculty members to the Board of Governors, Dr. Renu Bhadola Dangwal, Assistant Professor, Department of Sciences & Humanities and Dr. Indrajit M Nagpure, Assistant Professor, Department of Sciences & Humanities is going to end in June 2018.*

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

Resolution: The Senate resolved that the tenure of the presently nominated two Faculty members, to the Board of Governors, be extended by three more months.

**S. 11.18 Any other item with the permission of Chairman, Senate.**

The Chairman allowed tabling of following three agenda items.

**S. 11.18 (A) To consider the Request of Mr. Navdeep Thalor (BT14CIV006) for extension in the date of Make-up Examination on medical grounds**

*Mr. Navdeep Thalor (BT14CIV006) is a B. Tech 4<sup>th</sup> year student in the department of Civil Engineering. He has completed 288 Credits at the end of Seventh Semester with CGPA 8.38. He is currently registered for 32 Credits in Eight Semester (Spring Semester 2018). He is admitted in AIIMS Rishikesh on 7<sup>th</sup> May 2018 for treatment. Due to this, he could not appear in End Term Examination. He is eligible for Make-Up Examination. As per advice of the Doctors, AIIMS Rishikesh, he is not well enough to appear in Make-Up Examination Spring Semester 2018 as well.*

*Keeping in view the future of the student, date of Make-Up Examination Spring Semester 2018 for Mr. Naveep Thalor may be extend up to 10<sup>th</sup> June 2018. The application of the student is attached in Annexure S11.08.*

*The senate may consider his request and approve the same.*

Resolution: The Senate considered this as a special case and resolved to conduct Make-up examination of Mr. Navdeep Thalor (BT14CIV006) before 25<sup>th</sup> July 2018.

**S. 11.18 (B) To consider the revised scholarship continuation rule for M. Tech. Students.**

*Section 9.2 (iii), (iv) and (v) of course book provides the rule for the continuation of scholarship of M. Tech Students which are*

*"(iii) GATE scholarship shall be continued for the current semester subjects to the condition that M.Tech. student has scored first class in previous semester. In NIT, Uttarakhand SGPA of 6.75 is equivalent to first class in a semester.*

*(iv) If a M.Tech. student secures first class in current semester then only he/she will be eligible for full GATE scholarship for the next semester, else he/she will be granted scholarship at 50% rate from the next month after declaration of result subject to the condition (B) V.*

*(v) If a M.Tech. student does not score first class in two consecutive semesters then his/her scholarship shall be stopped for the semester which follows the two consecutive semesters of failure to score first class from the next month of declaration of result."*



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In order to simplify these rules and to remove the anomaly in the "first class" definition after implementation of revised percentage rule (S.10.15) the following rule is proposed to replace Para (iii), (iv), (v) and (viii) of section 9.2 of the course book:

**"(iii) GATE scholarship shall continue for the current semester subject to the condition that the CGPA of an M. Tech. student is 6.75 or above. In case an M. Tech student fails to maintain the CGPA 6.75 or above his/her scholarship shall be reduced by 50% from the next month of the declaration of the results. Further if the student fails to maintain the CGPA 6.75 or above in two consecutive semesters then his/her scholarship shall be stopped from the next month of the declaration of the results."**

*The senate is requested to approve the above changes in the Course Book.*

Resolution: The senate approved replacement of Para (iii), (iv), (v) and (viii) of section 9.2 of the Course Book December 2016 as under:

**"(iii) GATE scholarship shall continue for the current semester subject to the condition that the CGPA of an M. Tech. student is 6.50 or above. In case an M. Tech student fails to maintain the CGPA 6.50 or above his/her scholarship shall be reduced by 50% from the next month of the declaration of the results. Further if the student fails to maintain the CGPA 6.50 or above in two consecutive semesters then his/her scholarship shall be stopped from the next month of the declaration of the results."**

This shall come into effect from the day of declaration of the final results of Spring Semester 2018.

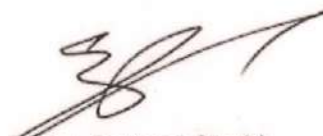
**S. 11.18 (C) To consider the Format of transcripts for B. Tech and M. Tech. Students**

*The format of the Institute Transcript is prepared for both UG & PG students and it is attached in Annexure S11.09.*

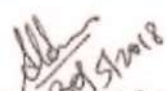
*The Senate is requested to consider and approve the same.*

Resolution: Withdrawn. The Senate resolved to present the formats of Institute Transcripts to SUGB and SPGB for vetting and recommendation. Senate authorizes the Chairman to approve the duly vetted transcripts.

The meeting ended with vote of thanks to the Chair.

  
(Col. Sukhpal Singh)  
Secretary

Approved/Not Approved

  
(Prof. Shyam Lal Soni)  
Chairman



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

The Action Taken Report on the minutes of the Eleventh Meeting of the Senate is as under:

Agenda Item No.	Agenda Item	Action Taken
S.11.04	To increase the seat for the Ph.D. programme	Noted for implementation
S.11.05	To cancel admission of the students who are continuously absent from the Institute	Implemented
S.11.06	To consider case of two students who have not completed credit requirement	Implemented
S.11.07	To approve the change in nomenclature	Implemented
S.11.08	To approve the minutes of Curriculum Development Workshop of various Departments	Noted for Implementation
S.11.09	To approve the Academic Calendar	Implemented
S.11.10	To approve the exemption of GATE/NET for Part-time Ph.D. programme	Noted for Implementation
S.11.11	To consider research publication criterion for PhD Thesis submission	Implemented
S.11.12	Renuemeration for PhD Thesis evaluation	Implemented
S.11.13	To consider the various formats for submission of PhD thesis	Implemented
S.11.14	Issuance of Duplicate Certificate	Implemented
S.11.15	Conversion of status of PhD programme from Full Time to Part Time i.r.o. Mr. Lalit Rana Koti	Implemented
S.11.16	Review of Provision of Summer Term/Winter Term	Noted for Implementation
S.11.17	Nomination of two faculty members to the Board of Governors	Implemented
S.11.18(A)	To Consider the Request of Mr. Navdeep Thalor (BT14CIV006) for the extension in the date of Make-up Examination on medical grounds	Implemented
S.11.18(B)	To Consider the revised scholarship continuation rule for M.Tech. Students	Implemented
S.11.18(C)	To Consider the Format of Transcripts for B.Tech and M. Tech Students	Withdrawn



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

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

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

The Senate is requested to ratify the same.

NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL  
Department of Civil Engineering  
NOTE

22/06/2018

**Sub: Regarding recommendation of award of B. Tech Degree in Civil Engineering for 2014 Batch Students.**

After verification of Tabulation Register and Grade Cards of the 2014 Batch Students. It is seen that the below mentioned students have completed the credits requirement for the purpose of award of B.Tech Degree in Civil Engineering. As they have completed the credits requirement so, it is recommended that they may be awarded the B.Tech Degree. The list of eligible students is mentioned below:

S. No.	Roll. No.	Name of student	Completed Credits	CGPA
1.	BT14CIV001	Ashutosh Gupta	320	8.22
2.	BT14CIV002	Suresh Chand	320	7.61
3.	BT14CIV003	Sanjeev	324	8.24
4.	BT14CIV004	Abhishek Negi	320	7.73
5.	BT14CIV005	Mini Singh	320	8.92
6.	BT14CIV007	Pramod Kumar Sharma	322	7.23
7.	BT14CIV008	Navneet Nautiyal	322	7.99
8.	BT14CIV009	Amit Neemrot	320	6.35
9.	BT14CIV010	Aditya Pathak	320	8.17
10.	BT14CIV011	Twinkle Jatav	320	8.17
11.	BT14CIV012	Shubham Agarwal	320	7.04
12.	BT14CIV013	Neelmani Parth	324	6.50
13.	BT14CIV014	Rahul Kumar Meena	320	5.96
14.	BT14CIV015	Suhail Akhtar	326	8.92
15.	BT14CIV016	Abhisekh Gupta	320	6.82
16.	BT14CIV017	Shailendra Sagar	326	6.88
17.	BT14CIV018	Siddhant Singh Chauhan	320	5.07
18.	BT14CIV019	Vikrant Singh Chauhan	324	5.28
19.	BT14CIV020	Parveen Singh	320	6.57
20.	BT14CIV021	Roohmoney	320	7.46
21.	BT14CIV022	Kuldeep Jangir	324	8.17
22.	BT14CIV023	Suraj Sharma	322	7.45
23.	BT14CIV024	Abhishek Kumar	324	7.21
24.	BT14CIV025	Mahesh Kumar Yadav	322	7.62



Date: - 15.06.2018

**Subject: Regarding recommendation of award of B.Tech. (Computer Science & Engineering) Degree for 2014 batch students.**

After the verification of Tabulation Register and Grade Cards of batch 2014 after Spring Semester 2018, it is seen that the students as per Annexure-I has completed the credits requirement for the purpose of award of B.Tech. Degree as they have completed the credits requirement.

So, it is recommended that the students as per Annexure-I may be awarded the B.Tech. Degree.

Submitted for your kind information and approval, please.

N/1

*P. Kumar*  
15/06/18  
Parveen Kumar  
Member

*Surendra Singh*  
15/06/18  
Surendra Singh  
Member

For, *Nitin Kumar*  
15/06/18  
Nitin Kumar  
Chairman, HoD

N/2

Associate Dean (Academic)

Forwarded

*Surendra Singh*  
15.06.18

N/3

~~AR (Acad.)~~

Approval from competent Authority is required.

*Surendra Singh*  
15-06-18  
(JAGDEEP SINGH)

N/4

A.D. (Acad):-

Recommended for the approval.

*Surendra Singh*  
15-06-18

N/5

DIRECTOR / Chairman Senate Approved. To be Ratified in Senate

*Surendra Singh*  
18/06/2018

## Annexure-I

S.No.	Roll No.	Name	Credits Earned	Audit Credits Used	Total Credits	CGPA
1.	BT14CSE001	Mohd Haroon Ansari	318	14	332	7.74
2.	BT14CSE002	Snehal Soni	314	16	330	6.75
3.	BT14CSE003	Rahul Kanyal	304	16	320	8.77
4.	BT14CSE004	Harshita Gupta	310	12	322	9.28
5.	BT14CSE005	Vishal Bhardwaj	320	0	320	8.25
6.	BT14CSE006	Suveek Kumar	320	0	320	5.55
7.	BT14CSE007	Snehil Kumar Sharma	322	0	322	8.47
8.	BT14CSE008	Shikhar Sharma	322	0	322	9.7
9.	BT14CSE010	Harman Preet Singh	320	0	320	9.77
10.	BT14CSE011	Jay Raj Singh	320	0	320	6.68
11.	BT14CSE012	Hemant Maurya	310	20	330	7.2
12.	BT14CSE013	Sandeep Sharma	304	16	320	7.39
13.	BT14CSE014	Prashant Singh	324	0	324	7.73
14.	BT14CSE015	Ashok Mahawar	322	2	322	6.54
15.	BT14CSE017	Chhavi Maheshwari	324	0	324	8.89
16.	BT14CSE018	Pawan Gaur	320	0	320	9.6
17.	BT14CSE020	Shubham Chaudhary	314	8	322	6.17
18.	BT14CSE022	Sourabh Singh Chauhan	324	0	324	8.78
19.	BT14CSE023	Ripesh Yadav	324	0	324	8.62
20.	BT14CSE026	Vikram Kumar Singh	322	0	322	7.98
21.	BT14CSE027	Shubham Kumar	324	0	324	6.7
22.	BT14CSE028	Wuriti Sai Prakash	320	0	320	6.1
23.	BT14CSE029	Vivek Kumar Yadav	316	8	324	6.69
24.	BT14CSE030	Nishant Kaushik	324	0	324	8.59
25.	BT14CSE031	Ayushi Aggarwal	308	12	320	8.16
26.	BT14CSE032	Dilip Kumar	322	0	322	7.78
27.	BT14CSE033	Devendra Singh	322	0	322	8.69
28.	BT14CSE034	Nikul	312	8	320	7.33
29.	BT14CSE035	Vidhi	320	0	320	8.97
30.	BT14CSE036	Aditya Nautiyal	314	8	322	5.67
31.	BT14CSE037	Rachna Mishra	322	6	322	8.03
32.	BT14CSE038	Neeti Dhanak	320	0	320	9.11
33.	BT14CSE040	Devendra Kumar Dhakad	320	2	320	6.31
34.	BT14CSE041	Alahari Avinash	308	14	322	7.93
35.	BT14CSE043	Madhusudan Dharmwan	308	12	320	7.27
36.	BT14CSE045	Mukesh Choudhary	322	0	322	7.43
37.	BT14CSE046	Nitin Rawat	308	14	322	6.80
38.	BT14CSE047	Mahendra Pratap Singh	320	2	320	5.53
39.	BT14CSE048	Vikash Kumar Saini	320	0	320	7.21
40.	BT14CSE050	Ved Prakash Lodhi	320	0	320	7.60
41.	BT14CSE051	Adarsh Rawat	308	12	320	9.30
42.	BT14CSE052	Ratnesh Duhan	320	0	320	7.01
43.	BT14CSE053	Himanshu Panchpal	320	0	320	5.59
44.	BT14CSE056	Shubham Singh	316	6	322	8.49

For 15/06/18  
 For 15/06/18  
 15/06/18

222

45.	BT14CSE058	Niraj	320	0	320	5.22
46.	BT14CSE060	Shambhavi Sinha	322	0	322	8.5
47.	BT14CSE061	Piyushi Manupriya	314	6	320	9.41
48.	BT14CSE062	Piyush Kumar	320	22	320	8.93
49.	BT14CSE063	Ashish Goyal	310	14	324	8.37

*Signature*  
15/06/18  
(Surenbra Singh)  
Member

For, *Signature*  
15/06/18  
(Surenbra Singh)  
Chairman, HOD

*Signature*  
15/06/18  
(Pooja Kumar)  
Member



N/1

**Sub: Regarding the Recommendation for the Award of B. Tech. Degree (ECE 2014 Batch) in Electronics & Communication Engineering.**

After the verification of Tabulation Register and Grade Cards of all the ECE 2014 batch students, it is found that the below mentioned students have completed all the credits requirement for the purpose of award of B. Tech. Degree. Hence it is recommended that they may be awarded the B. Tech. Degree in Electronics & Communication Engineering. The list of eligible students is as follows:

Sr. No.	Roll No.	Name	Credits Earned	Audit Credits Used	Total Credits	CGPA	Degree Status
1.	BT14ECE002	Shiv Govind Shukla	310	16	326	7.91	Eligible
2.	BT14ECE003	Nitesh Joshi	320	-	320	5.16	Eligible
3.	BT14ECE004	Manav Guglani	322	08	330	8.98	Eligible
4.	BT14ECE005	Himanshu Bisht	306	14	320	7.04	Eligible
5.	BT14ECE006	Saloni Yadav	322	16	338	9.63	Eligible
6.	BT14ECE008	Moni	306	16	322	6.29	Eligible
7.	BT14ECE009	Kamal Bhatt	324	-	324	8.95	Eligible
8.	BT14ECE010	Roshan Chand	308	16	324	6.84	Eligible
9.	BT14ECE012	Surendra Jeet Singh	320	08	328	6.54	Eligible
10.	BT14ECE013	Awadhesh Kumar	306	16	322	7.38	Eligible
11.	BT14ECE014	Ankit Jangid	314	08	322	8.81	Eligible
12.	BT14ECE015	Akshay Raj	312	14	326	8.54	Eligible
13.	BT14ECE016	Sabbavarapu Sai Kishore	312	08	320	6.00	Eligible
14.	BT14ECE017	Anshu Sonkar	322	-	322	8.74	Eligible
15.	BT14ECE019	Siddharth Nareda	310	18	328	6.17	Eligible
16.	BT14ECE021	Aman Gupta	314	16	330	8.11	Eligible
17.	BT14ECE022	Anchal Kumari Singh Panwar	304	16	320	9.43	Eligible
18.	BT14ECE023	Ajay Singh	304	16	320	6.99	Eligible
19.	BT14ECE024	Sanchit Kumar Singh	320	-	320	5.64	Eligible
20.	BT14ECE025	Parasmani Arya	307	14	321	6.36	Eligible
21.	BT14ECE026	Pankaj Goswami	322	08	330	7.39	Eligible
22.	BT14ECE027	Vineet Shikarwal	318	08	326	6.37	Eligible
23.	BT14ECE028	Kundan Kumar	310	16	326	5.26	Eligible
24.	BT14ECE029	Atul Gaur	322	02	324	5.34	Eligible
25.	BT14ECE030	Saumya Verma	306	16	322	6.08	Eligible
26.	BT14ECE032	Girish Kumar	320	08	328	8.12	Eligible
27.	BT14ECE033	Rishabh	310	14	324	8.41	Eligible
28.	BT14ECE034	Rishav	320	-	320	6.59	Eligible
29.	BT14ECE035	Divisha Agarwal	310	14	324	8.87	Eligible
30.	BT14ECE036	Yogendra Saini	310	14	324	6.02	Eligible
31.	BT14ECE037	Kaushal Kumar	320	-	320	5.94	Eligible
32.	BT14ECE039	Nicky Gupta	324	-	324	5.12	Eligible
33.	BT14ECE040	Shivam Shukla	304	16	320	9.04	Eligible
34.	BT14ECE041	Kanduru Sai Krishna	306	16	322	6.12	Eligible
35.	BT14ECE044	Rishabh Devrani	309	14	323	8.52	Eligible



36.	BT14ECE045	Abhijeet Chandra Kamal	308	16	324	8.16	Eligible
37.	BT14ECE046	Vishal Verma	318	06	324	7.25	Eligible
38.	BT14ECE047	Talari Vinod Kumar	308	16	324	7.79	Eligible
39.	BT14ECE048	Pragati Dhiman	322	-	322	6.81	Eligible
40.	BT14ECE049	Anuswar Tamta	305	16	321	6.50	Eligible
41.	BT14ECE050	Deepak Kumar	320	02	322	6.79	Eligible
42.	BT14ECE051	Md. Alishan	320	-	320	7.56	Eligible
43.	BT14ECE052	Keshav Kumar	308	14	322	6.79	Eligible
44.	BT14ECE053	Neetesh Kumar Meena	308	16	324	7.50	Eligible
45.	BT14ECE054	Devesh Singh	312	22	334	8.03	Eligible
46.	BT14ECE055	Hotta Himanshu Sekhar	316	06	322	8.95	Eligible
47.	BT14ECE056	K. Chaitanya Bharath	309	14	323	7.93	Eligible

Worthy Director may kindly approve the same.

*Tejas Laheri*  
 Tejas Laheri  
 Member, Degree Committee  
 (Batch 2014)

*Santosh Kumar Bhagat*  
 Santosh Kumar Bhagat  
 Member, Degree Committee  
 (Batch 2014)

*Dr. Pankaj Kumar Pal*  
 Dr. Pankaj Kumar Pal  
 Chairman, Degree Committee  
 (Batch 2014)

N/2 To, Asso. Dean (Acad.):-

N/3 AR (Acad.) *for n.c.*  
*for* *19/6/18*  
 Approval of competent authority is required.  
*19/6/18*  
 (JAGDEEP SAINI)

N/4 Asso. Dean (Acad.):-

Recommended for approval  
*for* *19/6/18*

N/5 Director: *Approved. To be ratified in Senate*  
*19/6/2018*



**Subject: Regarding list of students eligible for the Award of Degree in Electrical and Electronics Engineering**

After verifying the tabulation report and grade cards of the final year students (2014-18 batch), it is concluded that the following students are eligible for the award of B.Tech degree in Electrical and Electronics Engineering. These students have earned all the necessary credits (including audit credit) and also completed all non-credit courses required for awarding B.Tech degree.

Sl. No.	Roll No	Name	Credit Earned	Audit credit taken into consideration to fulfill the B.Tech degree requirement	Total Credits	CGPA
1.	BT14EE003	Somesh Joshi	308	14	322	8.62
2.	BT14EE004	Sangya Kumar Meena	306	14	320	5.97
3.	BT14EE005	Sarika Agarwal	308	14	322	8.23
4.	BT14EE006	Abhishek Sushal	308	14	322	7.84
5.	BT14EE007	Rahul Singh Yadav	304	16	320	8.56
6.	BT14EE008	Bimlesh Meena	306	14	320	7.51
7.	BT14EE009	Brageh Kumar	316	12	328	8.78
8.	BT14EE010	Kapil Kumar Arya	320	0	320	6.44
9.	BT14EE011	Shishir Veerna	306	14	320	6.86
10.	BT14EE012	Sunil Kumar	324	0	324	5.28
11.	BT14EE013	Vidhal Agari	308	12	320	6.58
12.	BT14EE014	Deepak Rathore	308	12	320	6.68
13.	BT14EE015	Abhishek Bhatnagar	304	16	320	6.38
14.	BT14EE016	Shikha Mandoliya	306	16	322	6.75
15.	BT14EE017	Sachin Kumar	306	14	320	6.93
16.	BT14EE020	Hema Sundara Rao D	308	14	322	9.03
17.	BT14EE021	Atul Kumar	314	8	322	7.64
18.	BT14EE022	Rajnish	320	0	320	9.01
19.	BT14EE023	Vijendra Kumar	320	0	320	6.93
20.	BT14EE024	M. Sravan Kumar	306	16	322	8.55
21.	BT14EE026	Yash Gambhir	320	8	328	8.43
22.	BT14EE027	Gautam Bhatt	320	0	320	8.51
23.	BT14EE028	Devanshu Neri	306	14	320	7.65
24.	BT14EE029	Ravi Tiwari	308	14	322	7.33
25.	BT14EE030	Mohita Kaur	308	14	322	6.84
26.	BT14EE031	Sunil Kumar	308	16	324	7.62
27.	BT14EE033	Rishabh Sharma	320	0	320	8.76
28.	BT14EE034	Abhinav Raj Mishra	304	16	320	7.61
29.	BT14EE035	Abhishek Mehra	306	14	320	7.97
30.	BT14EE036	Himendra Kumar Mandoliya	306	16	322	8.38
31.	BT14EE037	Prashant Karsidhi	322	0	322	8.48
32.	BT14EE038	Sanjeev Kumar	314	8	322	7.10
33.	BT14EE039	Lehraj Alam	308	16	324	6.92
34.	BT14EE041	Alakh Kuntal	308	14	322	7.78
35.	BT14EE043	Shubham Jha	314	14	328	8.76
36.	BT14EE044	Nitin Uniyal	304	16	320	7.41
37.	BT14EE045	Aakashit Nayak	312	8	320	6.99
38.	BT14EE047	Ayush Goyal	308	14	322	8.42
39.	BT14EE048	Manit Kumar	308	12	320	7.55
40.	BT14EE049	Ashish Kumar	306	16	322	6.46
41.	BT14EE051	Pawan Pandey	316	6	322	6.43
42.	BT14EE052	Rahul Kumar Yadav	306	16	322	5.10
43.	BT14EE053	Mahipal Singh Shelhawat	304	18	322	8.26
44.	BT14EE056	Vinayal Tripathi	312	12	324	8.40

Worthy Director may kindly grant the permission for the award of B.Tech Degree in Electrical and Electronics Engineering to the above listed students.

Dr. Prakash Dwivedi  
Committee Member

(Degree Evaluation Batch 2014)

Dr. Sanjay Bora  
F.A. & Committee Member

(Degree Evaluation Batch 2014)

Dr. Saumendra Sarangi  
Committee Member

(Degree Evaluation Batch 2014)

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड

N/2 Asso. Dean (Acad.) :-

Recommended for approval.

App.

Pl. verify internally.

Sun  
29/05/18  
(Auspam T.)

N/2

DIRECTOR

[Signature]  
29/05/18



**Department of Mechanical Engineering**

Note Sheet -1

Ref No-ME/10/4300

Date: 11/06/2018

Sub:- Regarding recommendation of award of B.Tech Degree in Mechanical Engineering for 2014 Batch Students.

After verification of Tabulation Register and Grade Cards of the 2014 Batch students, the below mentioned students have completed the credits requirement for the purpose of award of B.Tech Degree in Mechanical Engineering. It is recommended that the below mentioned students may be awarded the B.Tech Degree.

S. No.	Roll NO.	Students Name	Credit Completed	CGPA
1	BT14MEC001	Anshul Singh	314+20(Audit)	8.13
2	BT14MEC002	Omveer singh	314+12(Audit)	7.49
3	BT14MEC003	Shivam Bhatt	324+6 (Audit)	9.20
4	BT14MEC004	Rohan Kataria	324	8.56
5	BT14MEC005	Vipin Gautam	322+8 (Audit)	7.16
6	BT14MEC006	Shubham verma	322	5.76
7	BT14MEC007	Vishal Chauhan	314+8 (Audit)	6.84
8	BT14MEC008	Yashank Chichra	308+12(Internship)	7.88
9	BT14MEC009	Lalit Gangwar	330	7.92
10	BT14MEC010	Rahul Negi	320	8.32
11	BT14MEC011	Vishal srivastava	322	8.30
12	BT14MEC012	Nitin Kumar	314+12 (Audit)	7.27
13	BT14MEC013	Anubhav Shukla	318+12(Audit)	8.83
14	BT14MEC014	Mohd Wamik	322	7.16
15	BT14MEC015	Suraj Gautam	322+8 (Audit)	6.95
16	BT14MEC016	Ashutosh Pal	314+12(Audit)	7.36
17	BT14MEC017	Deepak Kanjoliya	322	5.83
18	BT14MEC018	Riya Vishnoi	322	8.35
19	BT14MEC019	Ujjwal Kumar Upkar	322	8.38
20	BT14MEC021	Viplove Saini	306+14(Audit)	6.65
21	BT14MEC022	Mukul Sachan	322	7.06
22	BT14MEC023	Ashish Huriawal	320+8(Audit)	6.49
23	BT14MEC025	Himanshu Rana	322	7.29
24	BT14MEC026	Abhishek Mishra	324	6.86
25	BT14MEC027	Arpit Sanwal	320	7.58
26	BT14MEC028	Raj Kumar Barjati	314+6(Audit)	7.29
27	BT14MEC030	Rajneesh Joshi	328	7.37
28	BT14MEC031	Praveen Singh Tomar	308+12(Audit)	5.03
29	BT14MEC032	Pappu Kumar	320+6(Audit)	9.21
30	BT14MEC033	Anand Singh Rawat	312+14(Audit)	8.88
31	BT14MEC035	Sumit Kumar	320	7.53
32	BT14MEC036	Purit Pandey	312+12(Audit)	9.09
33	BT14MEC037	Kanzer Rajawata	312+14(Audit)	8.98
34	BT14MEC038	Shivam Kumar	320	6.08
35	BT14MEC039	Har Govind Soni	318+12(Audit)	9.14
36	BT14MEC040	Maneesh Chauhan	322	7.64
37	BT14MEC041	Shivam Sharma	310+14(Audit)	7.39
38	BT14MEC042	Akarsh Raj	320	8.99
39	BT14MEC045	Abhishek Yadav	322	7.98
40	BT14MEC046	Sumit Singh Negi	320	8.11
41	BT14MEC047	Amit Kumar Pandey	318+12(Audit)	8.80
42	BT14MEC048	Krishna Singh Mehra	316+6(Audit)	7.84
43	BT14MEC049	Ankush Kumar	310+14(Audit)	6.42
44	BT14MEC050	Devendra Yogi	310+14(Audit)	7.41



राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड

45	BT14MEC051	Shankar Lal Sharma	304+14(Audit) <sup>Ans</sup> 16(Audit) <sup>Ans</sup>	7.05
46	BT14MEC052	Ujjesh Mittal	312+14(Audit)	7.58
47	BT14MEC053	Ujjesh Goyal	322+6(Audit)	8.34
48	BT14MEC054	Vick Kumar	314+6(Audit)	6.43
49	BT14MEC055	Vish Shringi	320+8(Audit)	6.06
50	BT14MEC057	Shanshyam	326	7.36
51	BT14MEC058	Amrit Kumar	310+22(Audit)	6.45
52	BT14MEC060	Anchal Tiwari	306+14(Audit)	9.16
53	BT14MEC061	Abhishek Sharma	322+8(Audit)	7.43
54	BT14MEC062	Mohammad Ashu	310+14(Audit)	6.80

N/1

Dr. Anshul Sharma  
(Chairman)

Mr. Durgali Sreehari  
(Member)

Mr. Vikas Kukshal  
(Member)

N/2

Associate Dean (Acad):-

Forwarded

*[Signature]*  
12.6.18

N/2

AR (Academics)

It may be submitted to the competent authority for approval, please

*[Signature]*  
13.6.18  
(JASDEEP SINGH)

N/4

Asso. Dean (Acad):-

Recommended for the approval.

*[Signature]*  
13.6.18

N/5

Registrar/Secretary Senate

Recommended for approval please

*[Signature]*  
19/6/18

N/6

DIRECTOR

Approval To be finalised w Senate

*[Signature]*  
19/6/18



**Department of Civil Engineering**

**NOTE**

09/06/2017

**Sub: Regarding recommendation of award of B. Tech Degree in Civil Engineering for 2013 Batch Students.**

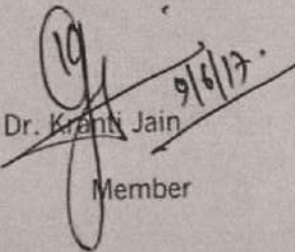
After verification of Tabulation Register and Grade Cards of the 2013 Batch Students. It is seen that the below mentioned students have completed the credits requirement for the purpose of award of B.Tech Degree in Civil Engineering. As they have completed the credits requirement so, it is recommended that they may be awarded the B.Tech Degree. The list of eligible students is mentioned below:

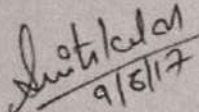
S. No.	Roll. No.	Name of student	Completed Credits	CGPA	DGPA
1	BT13CIV004	Sachin Kumar Prince	324	6.01	6.01
2	BT13CIV005	Ayush Rana	324+6(Audit)	7.70	7.70
3	BT13CIV006	Deewan Singh	316+8(Audit)	6.23	6.23
4	BT13CIV009	Dharmendra Kumar	320	7.41	7.41
5	BT13CIV010	Jamuna Prasad Bahuguna	328	8.16	8.24
6	BT13CIV014	Saurabh Kumar	316+6(Audit)	8.88	8.88
7	BT13CIV015	Jitendra Singh	324	6.33	6.33
8	BT13CIV017	Rohit Kumar Patel	316+6(Audit)	7.37	7.37
9	BT13CIV018	Pooja Rawat	322	9.30	9.30
10	BT13CIV019	Kshitij Raj	324	7.01	7.01
11	BT13CIV021	Manoj Kumar singh	322	5.73	5.73
12	BT13CIV023*	Shubham Kumar Singh	328	8.45	8.53
13	BT13CIV026	Bharat Kumar	322	6.91	6.91
14	BT13CIV029	Suryakant Butola	320	7.13	7.13
15	BT13CIV032	Saurav Aswal	320	8.14	8.14
16	BT13CIV033	Shubham Kumar	323	8.62	8.62
17	BT13CIV034	Hemant Kumar Gautam	332	6.81	6.90
18	BT13CIV035	Sagar Tomar	326	7.44	7.44
19	BT13CIV036	Jitendra Kumar Bharti	328	7.73	7.80
20	BT13CIV037	Arun Gangwar	320	9.06	9.06
21	BT13CIV038	Mohammad Faizan	330	6.81	6.88
22	BT13CIV039	Ramvilas Singh Patel	334	8.62	8.72
23	BT13CIV041	Shobhit Kumar Maurya	322+6(Audit)	8.52	8.52
24	BT13CIV042	Krishna Nand Yadav	320	6.83	6.83
25	BT13CIV043	Rohit Kumar	324	7.42	7.42

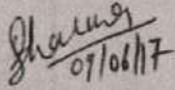


26	BT13CIV045	Shivashish Gautam	334	6.89	6.96
27	BT13CIV046	Arvind Kumar Meena	324	7.36	7.36
28	BT13CIV047	Bivesh Kumar	326	7.43	7.46
29	BT13CIV050	Umesh Dangi	336	8.20	8.29
30	BT13CIV051	Rohan Kumar Rathi	322	7.94	7.94
31	BT13CIV052	Shiwansh Agrawal	320	7.34	7.34
32	BT13CIV053	Satyendra Singh	328	7.97	8.01
33	BT13CIV054	Nitin Upreti	324	7.97	7.97
34	BT13CIV055	Sakshi Singh	320	7.45	7.45
35	BT13CIV056	Guljeet Singh	330	6.52	6.53
36	BT13CIV057	Vishal	326	7.23	7.25
37	BT13CIV058	Himanshu Singh Gangwar	320	7.89	7.89
38	BT13CIV059	Shivpal Singh Bhati	322	9.37	9.37
39	BT13CIV060	Dauli Butola	324	8.32	8.32

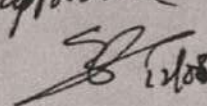
\*Eligible for award of B.Tech in Civil Engineering degree with minor in Computer Science and Engineering

  
Dr. Krunal Jain  
Member

  
Ms. Smita Kaloni  
Member

  
Dr. Himanshu Sharma  
Member

Asso. Dean (Exam) Approval may be granted to award of B.Tech degree in Civil Engg. Dept. for above 2013 Batch students for the year 2013-14  
(A.K. Mehta)

Register: Recommended for approval  


DIRECTOR

Approved by e-mail  
Date 14/6/17.....

National Institute of Technology, Uttarakhand

N.02

Note

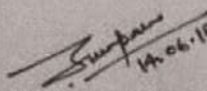
Date: 14-Jun-18

Sub: Regarding nomination of external member in DPGC

As per the approved constitution of DPGC of the Institute, One faculty member from other Department/Interdisciplinary programme is to be nominated by the Chairman Senate.

Honorable Chairman Senate may please nominate the faculty members for each department of the Institute to complete the composition of DPGC,

Submitted for your kind approval and further instructions, please.

  
Dr. Anupam Yadav  
Associate Dean (Acad.)

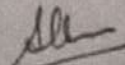
N/01

N/02

Director/Chairman Senate

*Following are Director's nominees for the academic year 2018-19 only.*

1. Civil Engineering Dept - - Dr. Sanat Agrawal
2. Electrical Engg. Dept - - Dr. Tajinder Singh Arora
3. Electronics Engg. Dept - - Dr. Dharmendra Tripathi
4. Computer Science Engg. Dept - - Dr. Sarika Pal
5. Mech Engg Dept. :- - - Dr. Rakesh K. Mishra
6. Science & Humanities Dept. Dr. Vinod Singh Yadav

  
04/07/2018



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

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

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

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

## Department of Mechanical Engineering

N25

Note Sheet

Ref No: ME/18/3761

Date: 22/02/2018

N/1.

Sub: Regarding award of minor degree.

The following students of 4<sup>th</sup> year B.Tech. (Mechanical Engineering) have applied for the award of minor degree in the Department of Computer Science and Engineering.

- i. MR. SHIVAM SHARMA - BT14MEC041
- ii. MR. KRISHNA SINGH MEHRA - BT14MEC048
- iii. MR. MOHAMMAD ASHU - BT14MEC062

Mr. Shivam Sharma (BT14MEC041) and Mr. Mohammad Ashu (BT14MEC062) have successfully completed the required 40 credits to award the minor degree from the Department of Computer Science and Engineering, in the 6<sup>th</sup> and 7<sup>th</sup> semesters. However, Mr. Krishna Singh Mehra (BT14MEC048) has completed 16 credits in the 7<sup>th</sup> semester and registered for the remaining 24 credits in the 8<sup>th</sup> semester in the Department of Computer Science and Engineering.

All the above students are also eligible for the award of degree in the Department of Mechanical Engineering on successful completion of the required 320 credits after 8<sup>th</sup> semester.

Therefore, the above students may be awarded the degree in the Department of Mechanical Engineering along with a minor degree in the Department of Computer Science and Engineering after successful completion of the required 320 credits in total after 8<sup>th</sup> semester.

*S. Sreehari*  
22/02/18  
DUNGALI SREEHARI  
Assistant Professor  
Dept. of Mechanical Engineering

## ENCLOSURES:-

1. Applications from the students.

N/2.

H.D. ME:-

The students Mr. Shivam Sharma, Mr. Krishna Singh Mehra, Mr. Mohd. Ashu may be awarded with minor degree from the Dept. of Computer Science and Engineering. *Asst Prof 22/2/18*

N/3.

Associate Dean (Acad):-

Kindly verify the data.

*Asst Prof 22/2/18*

N/4.

AR (Acad):-

*Dr. Suresh (Acad)*



- ① Shivam Sharma (BT14MEC041) has cleared CSE 301, CSE 302, CSE 201, CSE 204 & CSE 305.
- ② Krishna Singh Mehra (BT14MEC042) has cleared CSE 201 & CSE 204. He has enrolled for CSE 301, CSE 302 & CSE 308 in Spring Sem 2018.
- ③ Mohammad Ashu (BT14MEC062) has cleared CSE 301, CSE 302, CSE 201, CSE 204 & CSE 305.

*(Signature)*  
05/03/2018  
(Bhavsara)

N16 A.R. (Acad): Two students Mr. Shivam Sharma (BT14MEC041) and Mr. Mohammad Ashu (BT14MEC062) have earned 40 credits which are required for minor degree of computer science and Engineering. One student Mr. Krishna Singh Mehra (BT14MEC042) has earned 16 credits but enrolled for 24 credits in Spring Semester 2018 which are essential for minor degree in CSE.

*(Signature)*  
05/03/18  
(MOHDEET SINGH)

N17 AD. (Acad):

As per the records, Mr. Shivam Sharma (BT14MEC041) and Mr. Mohammad Ashu (BT14MEC062) have earned the required 40 credits for minor degree in CSE and may be awarded the minor degree. However, Mr. Krishna Singh Mehra (BT14MEC042) have 24 credits remaining but he has enrolled for the required 24 credits. He may be awarded the minor degree in CSE after completion of those required 24 credits.

*(Signature)*  
05/03/18

N18 Registrar & Secretary Senate:-

As proposed, Mr. Shivam Sharma (BT14MEC041) and Mr. Mohammad Ashu (BT14MEC062) since having earned 40 credits for minor degree in CSE, be awarded the minor degree accordingly.

Submitted for your kind approval please.

N19 Director & Chairman Senate

As per rules  
*(Signature)*  
21/03/18

*(Signature)* 14/03/18

To  
The Director  
National Institute of Technology,  
Uttarakhand, Shringar Garhwal

20<sup>th</sup> feb 2018

Sub: Regarding mince degree in Computer Science & Engineering.

219

With respect, I, SHIVAM SHARMA (BT14MEC041), final year student of Mechanical Engineering branch wants to say that I have completed following courses of computer science & Engineering, in my graduation period. The courses are as follow:-

S.No.	Course Code	Course Name	Credit	Semester
1.	CSL 301	Theory of Computation	08	6 <sup>th</sup> Sem
2.	CSL 302	Operating System	08	6 <sup>th</sup> Sem
3.	CSL 201	Data Structure & Program Design	08	7 <sup>th</sup> Sem
4.	CSL 204	Introduction to Object Oriented Methods.	08	7 <sup>th</sup> Sem
5.	CSL 305	Database Management Systems	08	7 <sup>th</sup> Sem
Total			40	

As per required conditions for minor degree, I have completed 40 credits of computer science and engineering department. So I requested you to please provide me minor degree in computer science & engineering.

I have attached the list of courses of minor degree and grade card in this application.

I shall be highly grateful to you.

Thank you.

yours faithfully,  
Shivam

Shivam Sharma

BT14-ME041

+918057886815

Mechanical Engineering. Hod, ME:-

Mr. Shivam Sharma has completed the required 40 credits in CSE dept., & eligible for degree award. He may be awarded minor degree in Computer Science & Engineering.

S. Sanchai  
20/2/18



The Director  
National Institute of Technology  
Uttarakhand, Srinagar (Garhwal)

20th February, 2018

Subject:- Regarding minor degree in computer science & Engineering

Sir

With respect I KRISHNA SINGH MEHRA (BT14MEC048) final year student of Mechanical Engineering branch wants to say that I have completed following subjects (courses) of computer science & Engineering till now (1 & 2) and will complete (3, 4 & 5) in graduation period in this semester -

S.No.	Course Code	Course Name	Credit	Semester
1.	CSL 201	Data Structure and Program Design	08	7th
2.	CSL 204	Introduction to Object Oriented Methodology	08	7th
3.	CSL 301	Theory of Computation	08	8th
4.	CSL 302	Operating System	08	8th
5.	CSL 308	Analysis of Algorithms	08	8th

So, I request you to provide me minor degree in computer science & Engineering.

I am attaching report card till 7th sem with this application along with list of courses of minor degree.

Thanking you.

Yours sincerely  
Krishna Singh Mehra  
BT14MEC048

Mr. Krishna Singh Mehra has completed 16 credits and registered 24 credits <sup>(in 8th sem)</sup> of the courses in computer science Engineering. He is eligible for Degree and minor degree in computer science & Engineering may be awarded if he completes all the 40 credits after 8th Sem.

*[Signature]*  
20/2/18

HOD, ME.

To,

The Director

National Institute of Technology.

Uttarakhand, Srinagar (Garhwal)

Date- 20/02/2018

Subject:- Regarding minor degree in Computer Science and Engineering

Respected Sir,

I, MOHAMMAD ASHU (BT14MEC062), a final year student of mechanical Engineering branch, have completed the following courses of Computer Science and Engineering in my graduation period. The courses are as follows:-

S.No.	Course Code	Course Name	Credit	Semester
1.	CSL301	Theory of Computation	08	6 <sup>th</sup>
2.	CSL302	Operating System	08	6 <sup>th</sup>
3.	CSL201	Data Structure and Program Design	08	7 <sup>th</sup>
4.	CSL204	Introduction to Object Oriented Methodology	08	7 <sup>th</sup>
5.	CSL305	Database Management System	08	7 <sup>th</sup>

As per the criteria of minor degree, I have completed the 40 credits in Computer and Science and Engineering Department. So, I request you to please provide me minor degree in Computer Science and Engineering. Grade card is also attached in this regard.

Yours Sincerely,



MOHAMMAD ASHU  
BT14MEC062

Mr. Mohd. Ashu,  
has completed the required  
40 credits in Computer Science & Engg.  
dept. He may be awarded the Minor  
degree in Computer Science & Engineering.  
D. Sachini  
HOD ME.  
20/2/18



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

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

**Clause No 7.3.**

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

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

**Clause No 7.3.**

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

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

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

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

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

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

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

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

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

The Senate is requested to approve the same.

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

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

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

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

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

The Senate is requested to approve the proposal.

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

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

**Annexure S12.04.**

The Senate is requested to approve the proposal.

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

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

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

The Senate is requested to approve the proposal.

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

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



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

The Senate is requested to approve the proposal.

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

Date: 10-Jul-2018

### **Minutes of the Fifth Meeting of Senate Under Graduate Board (SUGB)**

The fifth meeting of SUGB was scheduled in the conference room of the institute on July 10, 2018  
12:00 Noon. Following members/representatives were present:

1. Dr. Anupam Yadav, Chairman
2. Dr. Pawan Kumar Rakesh, Member
3. Dr. Devesh Punera, Member
4. Mr. Parveen Kumar, Member
5. Dr. Saumendra Saranagi, Member
6. Mr. Tushar Goel, Member
7. Dr. Nitin Sharma, Member

The following issues were discussed in the Meeting

1. The revised course curriculum of Department of Mechanical Engineering and Department of Electronics Engineering were discussed in the Meeting, many modifications were suggested by the members of the SUGB and it was resolved to amend the suggested modification and submit for the reconsideration in the next meeting. It was observed that some recommendations are made to discontinue few courses and change in course title is also proposed. It is decided to create a list of equivalence between old courses and the proposed courses to avoid any discrepancy. A deadline was decided to complete the recommendations on CDW on or before 3<sup>rd</sup> August 2018 including the recommendations of other Departments.
2. The updated copy of rule, regulations and ordinances of UG, PG and PhD were circulated to the members for proof read and comments. The comments shall be accepted till 17<sup>th</sup> July 2018, afterwards it will be deemed confirmed from the SUGB and same shall be forwarded to the Senate for the possible approval.
3. The SUGB recommended the following committee for grade moderation  
Grade Moderation Committee
  - i. Chairman (Faculty member of the Department)
  - ii. Two Other Faculty Members of the Department

The committee shall be appointed by the respective HoD for a Semester. All the Grades shall be moderated and duly signed by the following members Course Coordinator, Chairman Moderation Committee and respective HoD.
4. In order to promote the learning flexibility from MOOCs and SWAYAM platforms, it is proposed to include SWAYAM courses in our UG, PG and PhD curriculum. A student may register for SWAYAM course as an audit course which shall be limited to Max. 4 credits only. The registration to any SWAYAM course shall be done only during the normal semester registration process. For this purpose each Department shall nominate one or more functional course coordinators to monitor the student's performance and the nominated faculty shall submit his grade to the Academic Section.

11/3



## NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

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The SUGB recommended the above induction of SWAYAM Courses in the Institute Curriculum.

5. Govt. of India has recently launched its ambitious project Study in India Program. Institute is already taking students from abroad through DASA scheme. The number of admissions through DASA is extremely low in our Institute. In this view, it is proposed to transfer half of the DASA seats in each Programme to Study in India Scheme. The eligibility criteria and Fees shall be kept in a line with DASA scheme.

The SUGB recommended the above proposal.

6. Being an Institute of National Importance, a number of applications of foreign nationals are received from Indian Council for Cultural Relations (ICCR), MEA, Govt of India for various programmes of the Institute. Institute was unable to consider those applications due to unavailability of the provisions. It is proposed to create two supernumerary seats in each Program of the Institute, which may be filled from the applications received through ICCR, Govt. of India. Such relevant applications may be considered on the recommendation of the concerned Department to the SUGB/SPGB.

The SUGB recommended the above proposal.

7. Currently the following Research Progress Committee (RPC) is in force to monitor the progress of the PhD students:

- i. HoD – (Chairman)
- ii. Supervisor(s)
- iii. Expert from Department (nominated by supervisor & approved by HoD)
- iv. Expert from an allied Department (nominated by supervisor & approved by HoD)
- v. Dean (Academics)

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

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

The SUGB recommended the above proposal.

8. Institute gives the attendance grade to each student based on his attendance percentage in a particular course. These grades are divided into High (H), Normal (N), and Marginal (M). Many students who participate in Institute recognized activities such as Sports, Placement, Training they receive marginal grades in their grade sheet for obvious reason. It is proposed to

## NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

discontinue attendance grade to avoid any prejudice in the mind of our recruiters and various interview panels. The provision of L and W attendance grades shall continue.

The SUGB recommended the proposal.

9. The minimum credit a student can take is 15 (30) in each semester. It is proposed to relax this condition for the final semester students including the students whose degree is extended. The minimum limit for such cases may be 4(8) credits.

*for Rakesh*  
Dr. Pawan Kumar Rakesh  
Department of ME  
(HOD, ME)

*Sumera*  
Dr. Devesh Punera,  
Dept. of Civil Engineering

Dr. Saumendra Sarangi,  
Dept. of EEE *S. Sarangi*

Mr. Tushar Goel,  
Dept. of ECE

*Feb 2018*  
*Sumera*  
Mr. Parveen Kumar  
Dept. of CSE

*Sumera*  
Dr. Nitin Sharma,  
Dept. of S & H

*Sumera*  
Dr. Anupam Yadav  
Chairman

### Copy To:

1. All SUGB Members
2. HoD CSE, EEE
3. AR (Academics) for record
4. PA to the Director

Point no. 7 shall be the part of ~~SPGB~~ SPGB.  
Further, minimum credits in point no. 9 may be limited to 3(6), which is as per maximum running courses.

*Sumera*



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

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

- i. HoD – (Chairman)
- ii. Supervisor(s)
- iii. Expert from Department (nominated by supervisor & approved by HoD)
- iv. Expert from an allied Department (nominated by supervisor & approved by HoD)
- v. Dean (Academics)

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

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

The Senate is requested to approve this proposal.

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

The SPGB has recommended following modifications in the PhD curriculum:

- i. The prospective PhD admission shall be offered provisionally in both the semesters through advertisements.
- ii. The PhD candidates are required to register for the PhD course work immediately after joining. Therefore the admission process shall be completed in July/December so that PhD candidates can register along with academic registration.
- iii. The PhD candidates after the allotment of the supervisor shall give a broad area of research within three months of their registration.
- iv. The PhD candidates have to defend the explicit research proposal before the RPC members within 18 months from the date of their registration. An extension of 6 months may be given to the student on recommendations of his/her RPC members, subject to the approval of Dean Academics/Associate Dean Academics. The research proposal shall be submitted only after the completion of course work.
- v. The Registration of the PhD candidate for PhD program will be confirmed on successful completion of the course work followed by recommendation of the RPC members on his/her research proposal which shall be approved finally by Dean (Acad.)/Asso. Dean (Acad.).
- vi. The fellowship of the student will start from the initial admission date of the PhD candidate.
- vii. Minimum duration for submission of PhD thesis for a candidate will be 3 years from the date of initial PhD registration.
- viii. The Fee disposition of the PhD candidates will be as per the time lines framed for other UG and PG students of the Institute.

The Senate is requested to approve the above modifications.

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

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

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

The Senate is requested to approve the proposal.

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

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

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

The Senate is requested to approve the proposal.



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

Date: 10-Jul-2018

### **Minutes of the Third Meeting of Senate Post Graduate Board (SPGB)**

The fifth meeting of SUGB was scheduled in the conference room of the institute on July 10, 2018

1:00 PM. Following members/representatives were present:

1. Dr. Anupam Yadav, Chairman
2. Dr. Pawan Kumar Rakesh, Member
3. Dr. Devesh Punera, Member
4. Mr. Parveen Kumar, Member
5. Dr. Saumendra Sarangi, Member
6. Mr. Tushar Goel, Member
7. Dr. S. R. De, Member

The following issues were discussed in the Meeting

1. The revised course curriculum of Department of Mechanical Engineering and Department of Electronics Engineering were discussed in the Meeting, many modifications were suggested by the members of the SUGB and it was resolved to amend the suggested modification and submit for the reconsideration in the next meeting. It was observed that some recommendations are made to discontinue few courses and change in course title is also proposed. It is decided to create a list of equivalence between old courses and the proposed courses to avoid any discrepancy. A deadline was decided to complete the recommendations on CDW on or before 3<sup>rd</sup> August 2018 including the recommendations of other Departments.
2. The updated copy of rule, regulations and ordinances of UG, PG and PhD are circulated to the members for proof read and comments. The comments shall be accepted till 17<sup>th</sup> July 2018, afterwards it will be deemed confirmed from the SUGB and same shall be forwarded to the Senate for the possible approval.
3. The Board discussed the composition of the M. Tech. Phase I and II project evaluation committee and the following modified composition is recommended

M.Tech. Phase I project evaluation committee

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

M. Tech. Phase II project evaluation committee

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

It is proposed that the External Examiner shall be from other Department of the Institute, the name of External Examiner shall be nominated by the Main Supervisor and it will be duly approved by the DPGC of the concerned Department.

4. The SPGB has recommended the following modifications in the PhD curriculum
  - i. The prospective PhD admission shall be offered provisionally in both the semesters through advertisements.
  - ii. The PhD candidates are required to register for the PhD course work immediately after joining. Therefore the admission process shall be completed in July/December so that PhD candidates can register along with academic registration.

1/2

## NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

- iii. The PhD candidates after the allotment of the supervisor shall give a broad area of research within three months of their registration.
- iv. The PhD candidates have to defend the explicit research proposal before the RPC members within 18 months from the date of their registration. An extension of 6 months may be given to the student on recommendations of his/her RPC members, subject to the approval of Dean Academics/Associate Dean Academics. The research proposal shall be submitted only after the completion of course work.
- v. The Registration of the PhD candidate for PhD program will be confirmed on successful completion of the course work followed by recommendation of the RPC members on his/her research proposal which shall be approved finally by Dean (Acad.)/Asso. Dean (Acad.).
- vi. The fellowship of the student will start from the initial admission date of the PhD candidate.
- vii. Minimum duration for submission of PhD thesis for a candidate will be 3 years from the date of initial PhD registration.
- viii. The Fee disposition of the PhD candidates will be as per the time lines framed for other UG and PG students of the Institute.

The SPGB recommended the proposal.

5. Currently, Institute has 10% Confidence level for Similarity Index of the Master's and PhD Thesis. The current threshold seems to be extremely low to justify the literature review portion of the Thesis along with many common pages and formats of each Thesis which increases the Similarity Index naturally. In view of this it is proposed to increase the confidence level to 20%, after excluding the self-publications, references, quoted text and matches upto 15 words.

The SPGB recommended the above proposal.

for  
Dr. Pawan Kumar Rakesh  
Department of ME  
HOD, ME

Dr. Devesh Punera  
Dept. of Civil Engineering

for  
Mr. Parveen Kumar  
Dept. of CSE

Dr. Saumendra Sarangi  
Dept. of EEE

Mr. Hemant Kumar Singhal  
Dept. of ECE

10.7.18  
Dr. S R De,  
Dept. of S & H

Dr. Anupam Yadav  
Chairman

Point no. 3 shall have provision of external institute expert also as discussed in the meeting.

Copy To:

1. All SUGB Members
2. HoD CSE, EEE
3. AR (Academics) for record
4. PA to the Director

2/2



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

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

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

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

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

The Institute has an Academic Performance Monitoring Advisory Committee (APMAC) as per Clause 4.5.3. Counseling sessions are organized for all the students,

- a. Identified for Load Restriction/Monitoring as per clause 4.5.2,
- b. Having CGPA below 6.00,
- c. Having attendance less than 65% at the end of Sessional I,
- d. Scoring mark less than 50% of class average in a Course at the end of Sessional I, shall be monitored by the APMAC.

There shall be at least three APMAC meetings per student and each student shall undergo at least three counseling sessions with the Counseling Cell in a Semester.

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

The Senate is requested to approve the proposal.

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

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

The Senate is requested to approve the proposal.

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

Ref. No:- NITUK/Acad./18/061

Date: 20/02/18


**Minutes of the Meeting First of Board of Post -Graduate Studies (BPGS)**

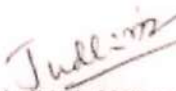
The first meeting of BPGS was scheduled in the Committee Room of the Institute on 23.01.2018 at 04:00 PM. Following members were present:


1. Dr. Navjot Singh, Associate Dean (Academic)
2. Mr Devesh Punera, Member (CIV)
3. Dr Judhistir Mahapatro, Member (CSE)
4. Mr. Tripurari Nath Gupta, Member (EEE)
5. Dr. Anshul Sharma, Member (MEC)
6. Dr. Saroj Ranjan De, Member (S&H)


The following were recommended.

1. As per the instructions received from the Senate regarding the lectures, labs and tutorials timings, the recommended timings are
  - a. Lecture1 – 08:00 am to 09:00 am
  - b. Lecture2 – 09:00 am to 10:00 am
  - c. Lecture3 – 10:00 am to 11:00 am
  - d. Lecture4 – 11:00 am to 12:00 noon
  - e. Lecture5 – 12:00 noon to 01:00 pm
  - f. Lab1/Tutorial1 – 02:00 pm to 04:00 pm
  - g. Lab1/Tutorial1 – 04:00 pm to 06:00 pm
2. Preparatory English and Preparatory Mathematics be removed from the curriculum.
3. A modification be made in the procedure of Ph.D. admissions. It is proposed that after getting provisional admission a scholar shall complete the course work followed by RPC. The scholar shall have to complete this procedure before 2 years from the admission. The scholar shall receive the scholarship from the date of admission.
4. All Associate Deans are recommended to be part of BPGS.


  
 Devesh Punera  
 Member (CIV)

  
 Dr Judhistir Mahapatro  
 Member (CSE)

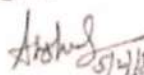
  
 Tripurari Nath Gupta  
 Member (EEE)

  
 Dr. Anshul Sharma  
 Member (MEC)

  
 Dr. Saroj Ranjan De  
 Member (S&H)

  
 Dr. Navjot Singh  
 Associate Dean  
 (Academic)

*The issue regarding the allotment of Trainee Teachers as main M-Tech Guide was also discussed. The Hon'ble Director Sir can be consulted for constructive suggestions.*





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

As approved in the first Senate meeting held on 26<sup>th</sup> May, 2013, two representatives from amongst the faculty of the Institution are to be nominated on the Board of Governors by the Senate. The tenure of present faculty members nominated to the Board of Governors namely Dr. Renu Bhadola Dangwal, Assistant Professor, Department of Sciences & Humanities and Dr. Indarjit M Nagpure, Assistant Professor, Department of Sciences & Humanities is going to end in September 2018.

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

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



**Registrar  
Secretary, Senate**

# **ANNEXURE S 12.06**



## Ordinances, Rules and Regulations Undergraduate and Postgraduate Programme

### 1. INTRODUCTION

#### 1.1. Preamble

This ordinance governs all the rules and regulations for running of all Under Graduate and Post Graduate Programs in National Institute of Technology Uttarakhand (NITUK). This ordinance supersedes all the previous relevant ordinances, rules and regulations.

The curriculum provides broad based knowledge and simultaneously builds a temper for the lifelong process of learning and exploring. At undergraduate level, a student needs to do compulsory foundation courses in the areas of basic sciences, humanities and social sciences apart from the departmental requirements. Departmental courses (core and electives) constitute minimum 50% of the total curriculum. Further, students do open category electives to develop broad inter-disciplinary knowledge base or to specialize significantly in an area outside the parent discipline. At the postgraduate level, students are encouraged to look beyond their area of specialization to broaden their horizons through open electives.

The medium of instruction in the Institute is English.

The Institute follows the semester system. An academic year runs from July through June next year and is comprised of two semesters and two terms. Typically, the 1st semester (**Odd Semester**) starts in the first week of August and ends in the middle of December, the 2nd semester (**Even Semester**) starts in first week of January and ends in the middle of May. Summer/Winter Term may be offered in special cases only for B. Tech. 4<sup>th</sup> Year students with approval of the Chairman Senate. Detailed schedule is given in the Academic Calendar that is available before the start of the Semester.

#### 1.2. Departments

Each program is offered by a Department. The various Departments and their two-letter codes are given below.

S.No.	Name of Department (alphabetical order)	Code
1	Civil Engineering, Department of	CE
2	Computer Science and Engineering, Department of	CS
3	Electrical Engineering, Department of	EE
4	Electronics Engineering, Department of	EC
5	Humanities and Management, Department of	HM
6	Mechanical Engineering, Department of	ME
7	Sciences, Department of	SC

#### 1.3. Programs offered

NITUK offers academic programs in Engineering - at Undergraduate and Post Graduate levels. Only course based programs are included in this ordinance. Research based programs shall be covered by a separate Ordinance for PhD. For all the undergraduate programs, students are admitted after 10+2 schooling while for all the postgraduate programs, the students are admitted after they have obtained at least a college level Bachelor's Degree. Admission to these programs is based on the performance in national level tests/entrance examinations followed by interviews in some cases. Details will be published every year in the admission notification.

##### 1.3.1. Undergraduate Programme

Department	Program Title	Program Code	Qualification
Civil Engg.	B.Tech. in Civil Engineering	CIV	As per the notification published by CCB/JAB/Competent Authority designated by MHRD, Govt.
Computer Science and Engg.	B.Tech. in Computer Science and Engineering	CSE	
Electrical Engg.	B.Tech. in Electrical and Electronics Engineering	EEE	
Electronics Engg.	B.Tech. in Electronics and Communication Engineering	ECE	
Mechanical Engg.	B.Tech. in Mechanical Engineering	MEC	

##### 1.3.2. Post Graduate Programme

Department	Program Title	Program Code	Specialization	Qualification
Civil Engg.	M.Tech. in Civil Engineering	CIV	1. Structural Engineering 2. Transportation Engineering	As per the notification published by CCB/JAB/Competent Authority designated by MHRD, Govt.
Computer Science and Engg.	M.Tech. in Computer Science and Engineering	CSE	1. Artificial Intelligence 2. Computing systems	
Electrical Engg.	M.Tech. in Electrical and Electronics Engineering	EEE	1. Power System & Control 2. Power Electronics & Drives	
Electronics Engg.	M.Tech. in Electronics and Communication Engineering	ECE	1. Microelectronics and VLSI Design 2. Communication Systems	
Mechanical Engg.	M.Tech. in Mechanical Engineering	MEC	1. Manufacturing Technology 2. Machine Design	

#### 1.4. Student's Roll number

1.4.1. Each student shall be allotted an Identity Number during first registration and that will be a permanent identification number. The number shall be IDnnnn0mmm (i.e. IDnnnn0001 to IDnnnn7999) for Undergraduate Students, IDnnnn8000 to IDnnnn8999 for Post Graduate Students and IDnnnn9000 to IDnnnn9999 for Ph.D. Scholars where nnnn indicates the year of admission and mmm indicates serial number of admission. This number will never change and the allotted number will not be offered to any other student even after cancellation of admission. The number shall be valid till the student completes the program or cancels the admission or is removed from the roll. New number shall be assigned when a student takes fresh admission to the same or any other program.

1.4.2. A student shall be allotted a roll number after admissions to that program are finally closed. If a student changes a program he / she shall be allotted a new Roll Number. A number once allotted shall not be offered to any other student. This number shall be commonly used to identify a student.

1.4.3. The roll number of a student shall consist of ten alpha-numerals (XXnnYYmmmm), e.g. BT08ECE001. XX' Indicates Program Code

Code	Program
BT	Bachelor of Technology
MT	Master of Technology
DS	Doctor of Philosophy in Science
DT	Doctor of Philosophy in Technology
DH	Doctor of Philosophy in Humanities, Social Sciences & Other Areas

'nn' indicates year of admission (2008 is indicated 08)

YYY indicates program code (ECE is for Electronics and Communication Engineering)

mmm indicates Sr. No. in program.

BT18ECE001 indicates roll number 001 of B.Tech. (Electronics and Communication) student admitted in 2018.

## 2. COURSE STRUCTURE AND CREDIT SYSTEM

### 2.1. Course Code scheme

2.1.1. A course code shall be DDTNMM (MEL201).

DD indicates the code of department, which is offering the course.

T indicates the type of the course.

N indicates the level of the course.

MM indicates the course number in the category.



2.1.2.Types of courses shall be as under. The table indicates the code, type, structure, credits, evaluation pattern and slots in which the subject can be offered.

Code	Type	Structure L+T+P	Credits	Evaluation Weightage out of 100	
				Method	Range
L	Lecture	1/2/3+0+0	1/2/3+0+0	Mid Term Exam - I	15-20
				Mid Term Exam - II	15-20
				Teachers Assessment	10-20
				End Term Exam	40-60
	Lecture	1/2/3+2+0	1/2/3+1+0	Mid Term Exam - I	15-20
				Mid Term Exam - II	15-20
				Teachers Assessment	15-30
				End Term Exam	40-60
	Lecture	1/2/3+0+2/4	1/2/3+0+1/2	Mid Term Exam - I	10-15
				Mid Term Exam - II	10-15
				Teachers Assessment	05-10
				End Term Exam	40-60
P	Practical	0+0+2/4	0+0+1/2	Mid-Term Evaluation (P)	10-20
				End Term Evaluation (P)	05-10
	Practical	0/1+0/2+2/4	0/1+0/1+1/2/3	Mid-Term Evaluation	60-75
				End Term Evaluation	25-40
D	Project based courses	-	0-10	Mid-Term Evaluation - I	20-30
				Mid-Term Evaluation - II	20-30
				Session-End Term Evaluation	40-60
T	Training/Colloquium	-	0-6	No evaluation for training. Only End Term Evaluation for Colloquium. (SS/ZZ)	-
R	Professional Practice	1/2/3+0+0	1/2/3+0+0	Same as L	-
S	Independent Study	-	2/3	Same as D	Same as D
V	Special Topic Lectures	Minimum 6 Hrs./Credit	1-3	Same as L (Schedules of examinations can be different.)	Same as L
A	No Credit with Exam	1/2/3	0	Same as L (SS/ZZ)	Same as L
B	No Credit No Exam	1/2/3	0	(SS/ZZ)	-

2.1.3.Levels of the course shall be as under. The table also indicates the guidelines to assign the level to a course.

Course Level Code	Level of Course	Prerequisite (Optional)	Options available	Prerequisite Credits to be completed by UG	Prerequisite Credits to be completed by PG	Eligible Students
100	Elementary	Nil	No	0	Not Eligible	Only UG
200	First Courses in the Area (Core Courses only)	Nil	No	20	Not Eligible	Only UG
300	Second Level Courses (Core/Elective)	200 Level Courses	Yes	40	Not Eligible	Only UG
400	Advanced/Elective UG	200/300 Level Courses for UG	Yes	60	Not Eligible	Senior UG,
500	PG	400 Level Courses	Yes	100	NIL	Senior UG, PG, PhD

2.1.4.Course code and Course title shall remain unchanged as a combination. If the course is discontinued, or code of subject is changed, the original code of the subject should be frozen for next 6 years.

2.1.5.Course title can be changed without changing the code only if retrospective effect is to be given to the change. Otherwise, new course code should be provided.

2.1.6.If contents of the course are changed, the code can be retained provided two courses are equivalent and credits & structure are same.

2.1.7.If credits are changed the code of course should be changed even if title and contents are same.

2.1.8.Normally every course shall run for the full length of the semester. Only exception is for V-type courses, which may run for part of the semester.

2.1.9.Prerequisite course is only a warning to a student and not a restriction to opt

the same provided minimum credit requirement is fulfilled.

## 2.2. Credit system

Education at the Institute is organized around the semester-based credit system of study. The prominent features of the credit system are a process of continuous evaluation of a student's performance/progress and flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience, subject to fulfilling minimum requirements for continuation. A student's performance/progress is measured by the number of credits he/she has earned, i.e. completed satisfactorily. Based on the course credits and grades obtained by the student, grade point average is calculated. A minimum grade point average is required to be maintained for satisfactory progress and continuation in the program. Also a minimum number of earned credits and a minimum grade point average should be acquired in order to qualify for the degree. Details are given in section on degree requirements, regulations and procedures (Section 4).

All the programs are defined by the total credit requirement and a pattern of credit distribution over courses of different categories. Total credit requirement for different programs is given in section 4.

## 2.3. Course credits assignment

Each course, except a few special courses, has certain number of credits assigned to it depending on lecture, tutorial and laboratory contact hours in a week. This weightage is also indicative of the academic expectation that includes in-class contact and self-study outside class hours.

2.3.1. Lectures: One lecture hour per week per semester is assigned one credits. Practical/Laboratory/Tutorial: Two laboratory / tutorial hour per week per semester is assigned one credit.

2.3.2. A few courses are without credit and are referred to as non-credit (NC) courses.

Example: Course XXXXXX:4 credits (3-0-2)

The credits indicated for this course are computed as follows:

3 hours/week lectures = 3 credits

0 hours/week tutorial = 0 credit

2 hours/week practical = 1 x 1 = 1 credits

Total = 3 + 0 + 1 = 4 credits

Also, (3-0-2) 4 credit course = (3 h Lectures + 0 h Tutorial + 2 h Practical) per week = 5 contact hours per week

For each lecture, self-study component is 1 hour/week/two credits for 100- 400 level courses and 2 hours/ week / two credits for 500 level courses. For laboratory / tutorial, 1 hour/week of self study is expected for 2 hours of laboratory. In the above example (3-0-2), a student is expected to devote at least 3 + 1 = 4 hours per week on self-study for this course in addition to class contact of 5 hours per week.

## 2.4. Earning credits

At the end of every course, a two-letter grade is awarded in each course to which a student had registered. On obtaining a pass grade, the student accumulates the course credits as earned credits. Student's performance is measured by the number of credits he/she has earned and by the weighted grade point average. A student has the option of registering some courses as Audit Courses. Grades obtained in these audit courses are not counted for computation of grade point average. However, a pass grade is essential for earning credits from an audit course. A minimum number of earned credits are required in order to qualify for a degree and continuation of registration at any stage. Students in the postgraduate programs can audit courses but they do not count towards earned credits. The credit system enables continuous evaluation of a student's performance, and allows the students to progress at an optimum pace suited to the individual ability and convenience, subject to fulfilling minimum requirement for continuation.

## 2.5. Course content description

Course content description consists of following components: (i) Course Code (ii) Title of the Course (iii) Credit and L-T-P (iv) Pre-requisites (v) Overlapping/Equivalent courses and (vi) Description of the content. An example is given below:

**MEL304** Theory of Machine – II

4 credits (3-0-2)

Pre-requisites: MEL208

Overlaps with: MEL213

Course Coordinator:

Timetable Slot:

Content:—

## 2.6. Pre-requisites

Each course, other than 100 and 200 level courses, may have specified pre-requisites, which may be another course or a fixed number of earned credits



(cannot be more than 100 for UG program and 25 for PG program) or both. Course prerequisite indicates that a student who has not completed the prerequisite course will have to study contents of the prerequisite course without teacher's support to understand the course opted. A student who has not earned requisite number of credits necessary as prerequisite will not be eligible to do that course, e.g.

### CEL310 XXXXXXXX

Pre-requisite: CEL140/CEL150/CEL160 and E.C. 140

A student who is ready to (self) study required topics from CEL140, CEL150, CEL160 and has earned 140 credits will be eligible to register for this course.

Pre-requisite earned credits for some courses of special nature are given below.

Independent Study	-	-	70
Project	-	-	70
B.Tech. Major Project Part 1	-	-	100
Practical Training	-	-	45

Details of prerequisite for different levels of subjects is indicated in item no. 2.1.3

## 2.7. Overlapping/Equivalent courses

Wherever applicable, for a given course overlapping and equivalent courses should be identified. A student is not permitted to earn credits by registering for more than one course in a set of overlapping /equivalent courses. Any two courses having 60% content common can be generally considered as equivalent. Students may use these overlapping/equivalent courses for meeting degree/pre-requisite requirements.

## 2.8. Course coordinator

Every course is coordinated by a member of the teaching staff of the Department, which is offering the course in a given semester. For some courses, faculty from other departments or even guest faculty can participate in teaching and/or coordination of a course. This faculty member is designated as the *Course Coordinator*. He/she has full responsibility for conducting the course, coordinating the work of the other faculty members / teaching assistants associated with the course, holding the tests and assignments, and awarding the grades. For any difficulty related to a course, a student is expected to approach the respective course coordinator for advice and clarification. Weightage for tests, quizzes, assignments, laboratory work, workshop and drawing assignment, term paper, etc. will be the basis for award of grade in a course and the distribution will be decided by the concerned Course Coordinator (generally announced at the start of the semester).

## 2.9. Grading system

The grading reflects a student's own proficiency in the course. While relative standing of the student is clearly indicated by his/her grades, the process of awarding grades is not only based on fitting performance of the class to some statistical distribution. The course coordinator - formulate appropriate procedure to award grades. These grades are reflective of the student's performance *vis-à-vis* instructor's expectation. Only passing grades will be shown in the final Grade Card.

### 2.9.1. Grade points

The grades and their equivalent numerical points are listed below:

Grade	Grade points	Description
AA	10	Excellent
AB	9	Very good
BB	8	Good (Above Average)
BC	7	Meets all targeted objectives of the course.
CC	6	Below expectations
DD	4	Marginal, Meets minimum targeted objectives of the course.
EE	0	Grade discontinued w.e.f. 2018-19
FF	0	Very poor
GG	-	Incomplete
UU	-	Unsatisfactory
PP	-	Audit pass
YY	-	Audit fail
XX	-	Withdrawal
KK	-	Continued
SS	-	Satisfactory completion (Zero credit course)
ZZ	-	Unsatisfactory / Failed (Zero credit course)
JJ	-	Failed three times in the core course. Permitted to replace it by Elective Course

## 2.9.2. Description of grades

### AA grade

An AA grade stands for outstanding achievement.

### BC grade

The BC grade stands for on par performance. This performance indicates that the student meets more or less all targeted objectives of the course.

### DD grade

The DD grade stands for marginal performance. It indicates that the student has achieved objectives of the course which are a bare minimum requirement. It is the minimum passing grade in any course. Minimum marks for award of DD grade should not be higher than 45% for L type of courses and 50% for other types of courses. However, individual course coordinators may set a lower marks requirement but not below 30%.

### FF grade

The FF grades denote very poor performance, i.e. failing a course. A student is required to repeat all core courses in which he / she obtains FF grades, till he / she obtains a passing grade. For other (elective) courses if obtained FF grade, a student may take the same course or any other course from the same category. These grades are not counted in the calculation of the CGPA, but counted in the calculation of the SGPA. Any Student who gets an FF grade in a course, but is having minimum 75% attendance in that course, may appear for a Supplementary Examination of that particular course which will be normally held in the third week of July. The facility of Supplementary Examination is limited to maximum two (02) courses in an academic year on approval of Dean Academics/Associate Dean Academics. The Supplementary Examination shall be conducted only for the theory portion. The marks of the Practical's and Assignments previously earned in the respective course of such student shall be carried forward as it is and appropriated into the marks obtained in the Supplementary Examination. Request of the Students for Supplementary Examination should be submitted within three days of the last date of Special ETE. Such requests will be approved by the Dean Academics/Associate Dean Academics on recommendations of respective HoD. FF/DD/CC/PP/SS Grades may be awarded in case of Supplementary Examination. AA to BC Grades shall not be awarded to those who appear for Supplementary Examination.

### GG grade

Student who is absent in End Term Examination (ETE) on legitimate grounds such as serious medical problem, death of first blood relative etc., the student may apply for GG Grade and Special ETE shall be conducted normally within 10 days from the last date of corresponding End Term Examination. Such requests, for Special ETE, by students shall be approved by the Dean Academics/Associate Dean Academics on the recommendation of the concerned HoD. GG grade shall be temporary grade, which shall be changed to FF/DD/CC/PP/SS Grades may be awarded in case of Special ETE. AA to BC Grades shall not be awarded to those who appear for Special ETE.

### PP and YY grades

PP and YY grades are awarded in a course that a student opts to audit. Only non-core courses (of the concerned program) can be audited. Auditing a course is allowed until one week after the first Mid-Term Examination. The audit pass (PP) grade is awarded if the student's attendance is above 75% in the class and he/she has obtained at least DD grade.

If either of these requirements is not fulfilled, the audit fail (YY) grade is awarded. The grades obtained in an audit course are not considered in calculation of SGPA or CGPA.

For UG programs: the credits (maximum 8) can be counted in total earned credits in the respective category.

For PG programs: the credits will not be counted towards degree completion credit requirements.

### XX grade

XX grade is awarded in a course where the student opts to withdraw from the course. Withdrawal from a course is permitted until one week before end of teaching in the semester. Withdrawal from UG / PG major project part 2 is allowed only if he/she is given semester withdrawal.

### KK grade

KK grade is awarded for incomplete work typically in a project-type course based on a request by the student.

The separate rules for UG and PG students are given below.

### UG students

Based on the request of the student KK grade is awarded for incomplete work in Independent Study, Project, Minor Project, or Major Project Part 1 and Part 2. On completion of the work, KK grade can be converted to a regular grade within the first week of the next semester. Otherwise, the student will be awarded KK grade on a permanent basis. Further, the student will be required to register for the course in the next semester. The credits of the course will be counted towards his/ her total load for the semester. In case of Major Project Part 1, the student will not be permitted to register for Major Project Part 2 simultaneously, as Major Project Part 1 is a pre-requisite for Major Project Part 2. A student can be awarded KK grade only



once in a course. If the work remains still incomplete, FF grade shall be awarded.

#### **PG students (M.Tech. by Course Work)**

KK grade is awarded for incomplete Major Project Part 2 work only and will be converted to a regular grade on completion of the project work and its evaluation. A student who is unable to complete his/her Major Project Part 2 may be awarded KK grade on recommendation by a Committee consisting of (i) Head of the Department or nominee; (ii) Faculty Advisor and (iii) Supervisor(s) of the project, and the student concerned may be required to present his/her work to the Evaluation Committee one week before the date of enrollment for the next semester.

A student who has been awarded a KK grade is required to formally register for the next semester and pay the fees. If work still remains incomplete an FF grade shall be awarded.

The following criteria will be used for the award of the KK grade:

- i. KK grade can be awarded only once.
- ii. KK grade will be awarded in exceptional cases under the circumstances beyond student's / supervisor's control. Following are the grounds for the award of KK grade.
  - a) Medical grounds to the satisfaction of the Institute authorities.
  - b) Technical reasons/grounds, such as, supervisor/equipment not being available.

#### **SS and ZZ grades**

The SS grade denotes satisfactory performance and completion of a non-credit course /attendance based courses. The ZZ grade is awarded for non- completion of the course requirements. In case, if it is a core course, the student must register for the course until he/she obtains the SS grade.

#### **UU grade**

This grade denotes an unsatisfactory performance. It is mandatory for a student to get a pass grade as minimum performance and maintain minimum level of attendance in the classes. If a student does not attend the classes, then he / she skips the practical knowledge imparted by the teacher, which is not covered in the book. Further, with shortage of attendance and by not participating in continuous evaluation, there is no assurance that the student meets the expectations from the course. A student may otherwise score passing marks by self-study; however, this does not ensure meeting the minimum requirement of the course unless the attendance requirement is fulfilled.

Any student who is awarded W grade for attendance or who has skipped more than 50% of continuous evaluation or both is awarded UU grade and is not allowed to appear for End-Term Examination.

#### **JJ grade**

If a student fails (obtains EE/FF grade) in a core course/first year course in three attempts, he/she can be awarded JJ Grade in the course. The course in JJ Grade is awarded should be replaced by an Elective course. However, this facility can be availed for maximum two courses provided a student applies for award of JJ grade. The JJ Grade should not appear in the final Grade card.

### **2.10. Evaluation of performance**

2.10.1. The performance of a student will be evaluated in terms of two indices, via, the Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point in time.

The Earned Credits (ECR) is defined as the sum of course credits for courses in which students have been awarded grades between AA to DD.

For UG students, credits from courses in which PP or SS grades have been obtained are also added.

Earned Grade Points in a semester (EGP) =  $\sum (\text{Course credits} \times \text{Grade point})$  for courses in which AA- DD grade has been obtained

The SGPA is calculated on the basis of grades obtained in all courses, except audit courses and courses in which SS / ZZ grade is awarded, registered for in the particular semester. UU grades will be considered as failed grade with Grade Point of Zero and will be included while calculating SGPA.

The CGPA is calculated on the basis of all pass grades, except audit courses and courses in which SS/ZZ grade is awarded, obtained in all completed semesters.

SGPA =  $\text{EGP} / \sum (\text{Course credits})$  for courses registered in a semester in which AA- FF & UU grades are awarded

CGPA =  $\text{EGP} / \sum (\text{Course credits})$  for courses registered in all completed semesters in which AA- DD grades are awarded

2.10.2. The conversion formula from CGPA to percentage (%) is as under.

**Percentage (%) =  $10 \times \text{CGPA}$**

The CGPA of 6.75 will be the minimum requirement for the award of First Division to the students.

### **2.11. Course Evaluation**

#### **2.11.1. Course evaluation for L/R/S/V/A type courses**

2.11.1.1. Course evaluation of Lecture / Tutorial component shall be on the basis of Two Mid-Term Examinations, one End Term Examination and Teachers Assessment

through tests, quizzes, assignments, seminars, group discussions etc. Teachers Assessment shall be on the basis of at least two independent assessment heads.

2.11.1.2. Mid-Term Examinations (MTE) should be conducted as per schedule in academic calendar. MTE shall be of 1-hour duration. Course coordinator can conduct longer duration examination but pre-intimation (at the beginning of the session) to students and HoD is essential. Answer books shall be shown to the students after evaluation within 10 days. Grievance, if any, shall be addressed by HoD on application by the student not later than 15 days from last day of Mid-Term Examination.

2.11.1.3. In case a student is absent in MTE on legitimate grounds such as serious medical problem, death of first blood relative etc., Special MTE shall be conducted normally within 10-15 days from the last date of corresponding MTE. Such requests, for Special MTE, by students shall be approved by the respective HoDs on the recommendations of the concerned course coordinator.

2.11.1.4. End-Term Examination (ETE) should be conducted as per schedule in academic calendar. ETE shall be of 3-hour duration. Course coordinator can conduct longer/shorter duration examination but pre-intimation (at the beginning of the session) to students and HoD is essential. Answer books shall be shown to the concerned student after evaluation within 96 Hours from the last day of End Semester Examination. Grievance, if any, shall be addressed by HoD on application by a student if applied within 2 days from last day of display of grades.

2.11.1.5. In case a student is absent in ETE on legitimate grounds such as serious medical problem, death of first blood relative etc., the student may apply for GG Grade and Special ETE shall be conducted normally within 10 days from the last date of corresponding ETE. Such requests, for Special ETE, by students shall be approved by the Dean Academic/Associate Dean Academic on the recommendation of the concerned HoD. FF/DD/CC/PP/SS Grades may be awarded in case of Special ETE. AA to BC Grades shall not be awarded to those who appear for Special ETE.

2.11.1.6. Marks awarded for individual heads shall be in absolute scale and shall be rounded to 0.5. The total marks awarded in a course shall be rounded to an integer. Relative grading can be used only for awarding final grades.

2.11.1.7. There is no provision of any compensation for absenteeism in any form of evaluation (including class tests, GD, assignments etc.) other than End-Term and Mid-term Examinations.

#### **2.11.2. Course Evaluation of Practical Courses (P Type) and Practical component of theory classes (L Type) shall be based on continuous evaluation.**

2.11.2.1. Assessment can be made either in every class or in the phases, however manner in which assessment is planned should be declared in the beginning. The weightage shall be 60-75% for continuous evaluation and 25-40% for end session evaluation.

2.11.2.2. The phase I assessment shall be frozen immediately after 1<sup>st</sup> Mid-term examination for 30-35% assessment. Additional 30-40% assessment (phase II) shall be frozen immediately after 2<sup>nd</sup> Mid-term Examination.

2.11.2.3. Method of end-term evaluation shall be decided by the course coordinator. Evaluation should be completed by the due date. In case of absenteeism for assessment, the course coordinator should use his / her discretion, however assessment should be completed before due date.

2.11.2.4. Marks frozen in earlier phases of evaluation cannot be changed.

2.11.2.5. If the laboratory is part of L type of subject, laboratory component evaluation shall be as above.

2.11.2.6. Marks awarded for individual heads shall be in absolute scale. Relative grading can be used only for awarding final grades.

2.11.2.7. There will not be any make-up examination for practical courses. End term evaluation is the evaluation made at the end of session based on complete work in the session. End term evaluation can also be considered as phase III evaluation.

2.11.2.8. For End term evaluation, if recommended by the Department, examiner other than teacher, either from within the Institute or from outside the Institute can be nominated.

#### **2.11.3. Course Evaluation of Project Type Courses shall be on continuous evaluation basis.**

2.11.3.1. Course evaluation shall be done in phased manner. Mid-session evaluations, two in number shall be of 20-30% weightage each. End semester evaluation shall be of 40-60% weightage.

2.11.3.2. End Semester evaluation of 40-60 % for Major Projects (Phase II) shall have external examiner. However in case of failure, re-registration to the course is mandatory.

2.11.3.3. Absenteeism for assessment can be condoned on genuine grounds beyond control of student by HoD on recommendations from Faculty Advisor and Course Coordinator. Under such circumstances an alternate assessment chance can be given to a student. However grades should be finalized before stipulated last date.

2.11.3.4. Evaluation shall be absolutely transparent. All the marks/grades awarded shall be available on notice-board along with attendance record. Finalized marks/grades shall also be declared on notice-board. All declaration of marks and grades shall be done in timely and phased manner. This shall maintain the



transparency, regularity in evaluation and students shall have an opportunity to monitor their own performance.

#### 2.11.4. Evaluation for M.Tech. Dissertation (Project Phase II)

2.11.4.1. 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 month of June).

2.11.4.2. A copy of Plagiarism report should also be submitted along with the Dissertation. There is the Limit of confidence for the Plagiarism Report of M.Tech. Dissertation. After excluding the contents of original research papers published by the concerned Students/ Scholars and also the references with the titles of the papers, the allowable limit of confidence shall be 10%. The supervisor shall be responsible for the Plagiarism Check and a record of which will be maintained in the office of Dean (Academics).

2.11.4.3. There shall be two evaluations namely mid semester evaluation and end semester evaluation (viva voce) for Project Phase-II.

2.11.4.4. 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 at most 3 dissertations.

2.11.4.5. The name of the external members shall be proposed by the HoD to the course coordinator in the month of March.

2.11.4.6. 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.

2.11.4.7. 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).

2.11.4.8. 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 an internal panel/committee i.e. the same panel/committee as earlier but without external member, within one month from the date of previous assessment. No grade restriction will be imposed for delayed presentation/re- examination.

### 3. REGISTRATION AND ATTENDANCE

#### 3.1. Registration and Enrollment

Registration is a very important procedural part of the academic system. The registration procedure ensures that the student's name is on the roll list of each course that he/she wants to study. No credit is given if the student attends a course for which he/she has not registered and not enrolled. Registration for courses to be taken in a particular semester will be done according to a specified schedule before the end of the previous semester. Each student is required to complete the registration formality by indicating the slot-wise choice of courses. The choice of courses must be approved by his/her faculty adviser (FA).

In the beginning of session, on the first day a student must enroll for the courses registered. The enrollment shall consist of being physically present on the day of enrollment, reporting to the faculty advisor and confirming the registration already made. Students who have paid the fees and cleared all the previous dues are only permitted to Enroll.

Enrollment after the specified date will be allowed only twice (once for PG programs) in duration of completion of program. A student must meet his/her FA within the first week of the new semester for confirmation of his/her registration. A student's registration record will be available on Notice-board. The relevant dates are included in the Academic Calendar that shall be available before the start of the semester.

##### 3.1.1. Rules for Registration for a semester

3.1.1.1 Registration for Odd Semester shall be on a stipulated date in Academic Calendar in Even Semester. Similarly registration for Even Semester shall be on a stipulated date in Academic Calendar in Odd Semester. Registration for summer term shall be done on stipulated date after the Even Semester examination.

3.1.1.2 Students who are out of Institute because of Internship/Credit Exchange Program/ Semester Withdrawal shall submit their registration form through e-mail to their Faculty Advisor.

3.1.1.3 It is the responsibility of the Faculty Advisor to ensure that student has done proper registration.

3.1.1.4 Registration for Odd Semester is to be done irrespective of the courses planned to be registered in Summer Term. If any course is cleared in Summer Term it will be dropped automatically.

3.1.1.5 If Major Project Part I is enrolled in any semester and cleared then Major Project Part II is mandatory to be registered for the next semester.

3.1.1.6 Rules for courses to be registered are as follows; unless all the available and possible uncleared courses in the higher priority are registered, courses in lower priority cannot be registered. Department must ensure that all the Core Courses are in different slots and all Elective Courses in different slots.

3.1.1.7 **1<sup>st</sup> year of admission:** All courses are compulsory.

3.1.1.8 **2<sup>nd</sup> year of admission:**

(I) If a student has earned 20 credits at the end of first year then priority wise courses for registration are as follows:

(a) Sports I / Sports II if not cleared.

(b) Single \* (\*) Core Courses.

(c) Double \* (\*\*) Core Courses.

(d) Minimum credits registered should be 15, and Maximum credits that can be registered are 26.

(e) Community Project should be registered at least in one of the semesters of 2nd year.

(f) Practical Training to be undertaken in Summer Vacations, should be registered in registration of Odd Semester conducted in Even Semester (Optional).

(II) If student has earned less than 20 credits at the end of first year then priority wise courses for registration are as follows:

(a) Sports I / Sports II if not cleared.

(b) All remaining First Year Courses which are available in slots as per examination slots.

(c) Single \* (\*) Core Courses, which can be accommodated in available slots.

(d) Double \* (\*\*) Core Courses.

(e) Minimum credits registered should be 15, and Maximum credits that can be registered are 26.

(f) Practical Training to be undertaken in Summer Vacations should be registered in registration of Odd Semester conducted in Even Semester (Optional).

(g) Community Project should be registered at least in one of the semesters of 2nd year.

Note:

1. If a student wishes to go for Practical Training, it is mandatory to register practical training during the registration for Odd Semester.

2. Practical Training is to be done in Summer Vacations only. However, unless it is registered for Odd Semester, its credits will not be counted.

3. Certificate of completion of Practical Training is to be submitted on or before date of enrollment at T&P cell. T&P cell will send the record to academic section. Letter of performance of Practical Training shall be issued by the T&P cell, without which Practical Training shall not be valid.

4. If Practical Training is not done then it shall be dropped automatically.

3.1.1.9 **3<sup>rd</sup> year of admission:** The priority wise courses for registration are as under:

(a) Sports I / Sports II if not cleared.

(b) All balance First Year Courses which are available in slots as per examination slots.

(c) All balance \* Core Courses which are available.

(d) All balance \*\* Core Courses which are available.

(e) All \*\*\* Core Courses which are available.

(f) DE Courses minimum 12 credits.

(g) HM Courses minimum 3 credits.

(h) Open Courses.

(i) Registration of at least one amongst Community Project/Project/Literature Review and Paper Writing is mandatory in each semester.

(j) Practical Training to be undertaken in Summer Vacations should be registered in registration of Odd Semester conducted in Even Semester. This registration is mandatory if not cleared before.

(k) Minimum credits registered should be 15, and Maximum credits that can be registered are 26.

(l) Practical Training is to be done in Summer Vacations only, if not done, will be dropped automatically. However, unless it is registered for Odd Semester, its credits will not be counted.

(m) If student wishes to go for Internship in Summer Vacations then rules for Practical Training will be applicable for Internship also. If the registration is to be done for Internship of a semester then a student should register for all the courses which he/she wishes for next semester and in addition Internship. In case student



cancels Internship his/her registration for all courses other than Internship is valid. In case a student goes for Internship his/her registration for all other courses shall be cancelled. It is mandatory for a student to communicate his/her Internship decision through T&P cell before date of enrollment.

(n) Certificate of completion of Internship is to be submitted at T&P cell. T&P cell will send the record to Academic Section. Letter of Performance of Internship shall be issued by the T&P cell, without which Internship shall not be valid.

**Note:**

1. If a student wishes to go for Practical Training, it is mandatory to register for Practical Training during the registration for Odd Semester.

2. Practical Training is to be done in Summer Vacations only. However, unless it is registered for Odd Semester, its credits will not be counted.

3. Certificate of completion of Practical Training is to be submitted on or before date of enrollment at T&P cell. T&P cell will send the record to academic section. Letter of Performance of Practical Training shall be issued by the T&P cell, without which Practical Training shall not be valid.

4. If Practical Training is not done then it shall be dropped automatically.

5. Internship will not be permitted unless it is registered during registration process.

**3.1.1.10 4<sup>th</sup> year of admission and onwards:** The priority wise courses for registration are as under:

- (a) Sports I / Sports II if not cleared.
- (b) All balance First Year Courses which are available.
- (c) All balance \* Core Courses which are available.
- (d) All balance \*\* Core Courses which are available.
- (e) All balance \*\*\* Core Courses which are available.
- (f) All balance DE Courses.
- (g) All balance HM Courses minimum.
- (h) Open Courses.
- (i) Registration of at least one amongst Community Project/Project/Literature review and paper writing is mandatory in each semester, if not completed.
- (j) Practical Training to be undertaken in Summer Vacations should be registered in registration of Odd Semester conducted in Even Semester. This registration is mandatory if not cleared before.
- (k) Minimum credits registered should be 15, and Maximum credits that can be registered are 26. A student may be permitted to register for maximum 28 credits for 7th semester or onwards if and only if it is required for completing the degree requirement. This facility of registering up to 28 credits cannot be availed by the students who are under load restriction.
- (l) Practical Training is to be done in Summer Vacations only, if not done, will be dropped automatically. However, unless it is registered for Odd Semester, its credits will not be counted.
- (m) If student wishes to go for Internship in Summer Vacations then rules for Practical Training will be applicable for Internship also. If the registration is to be done for Internship of a semester then a student should register for all the courses which he/she wishes for next semester and in addition Internship. In case student cancels Internship his/her registration for all courses other than internship is valid. In case a student goes for Internship his/her registration for all other courses shall be cancelled. It is mandatory for a student to communicate his/her Internship decision through T&P cell before date of enrollment.
- (n) Certificate of completion of Internship is to be submitted at T&P cell. T&P cell will send the record to academic section. Letter of Performance of Internship shall be issued by the T&P cell, without which internship shall not be valid.

**Note:**

1. If a student wishes to go for Practical Training, it is mandatory to register for Practical Training during the registration for Odd Semester.

2. Practical Training is to be done in Summer Vacations only. However, unless it is registered for Odd Semester, its credits will not be counted.

3. Certificate of completion of Practical Training is to be submitted on or before date of enrollment at T&P cell. T&P cell will send the record to Academic Section. Letter of Performance of practical training shall be issued by the T&P cell, without which Practical Training shall not be valid.

4. If Practical Training is not done then it shall be dropped automatically.

5. Internship will not be permitted unless it is registered during registration process.

### 3.1.2 Rules for M. Tech. Dissertation

The rules regarding M.Tech. Dissertation in details as under:

3.1.2.1 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.

3.1.2.2 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.

3.1.2.3 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.

3.1.2.4 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.

3.1.2.5 Schedule for Project Assessment and Course Evaluation shall be as per Project Based Course (D type course).

3.1.2.6 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.

3.1.2.7 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.

3.1.2.8 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.

3.1.2.9 Final grade reports are to be sent by the panel of examiners to the Academic Section on completion of viva-voce.

3.1.2.10 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.

3.1.2.11 Procedure for awarding grades in Seminar, Project Phase I and Project Phase II shall be Absolute Grade System.

3.1.2.12 The composition of Committee for Evaluation is as under:

Project Phase I:

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

Project Phase II (Dissertation)

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

### 3.1.3 Procedure for Enrollment for a semester

(i) Based on the registration done by the students, provisional Enrollment Sheet will be prepared.

(ii) On the date of enrollment, student will check the Enrollment Sheet and sign on Enrollment Sheet as a token of reporting at the Institute on the date of enrollment and verification w.r.t. Enrollment Sheet vis a vis Registered Courses.

(iii) In case of discrepancy in the Enrolled Courses and Registered Courses, student is required to communicate it to the Faculty Advisor. Faculty Advisor will verify the Enrollment Sheet with registration form, if any correction is necessary, Faculty Advisor will enter remark in the Enrollment Sheet with signature.

(iv) Enrollment is permitted only if Institute fee has been paid by the student, otherwise Faculty Advisor shall write "reported but not enrolled" in the Enrollment Sheet.

(v) Faculty Advisor shall have to submit the enrollment sheet to HoD by 5:00 PM on the date of enrollment and HoD shall have to send all the Enrollment Sheet to the academic section by 5:30 PM on the date of enrollment for the semester.

(vi) Late enrollment will be done at academic section.

(vii) Any additional requirement shall be communicated by the Dean/Associate Dean Academics

### 3.2 Enrollment and student status

Enrollment by a student confirms his/her status as student at the Institute. Failure to enroll before the last date for late enrollment will imply that the student has discontinued studies and his/her name will be struck-off the rolls.

Every enrolled student, except part-time doctoral students, is considered as a full-time student at the institute. They are expected to be present at the Institute and



devote full time to academics. Student enrolled only for a self-study course or project or thesis is also considered as full-time student.

### 3.3 Advice on courses

At the time of registration and enrollment, each student must consult his/her FA to finalize the academic program, keeping in view factors, such as, minimum/maximum numbers of total credits, past performance, backlog of courses, SGPA/CGPA, pre-requisite, work load and student's interests, amongst others. Special provisions exist for academically weak students.

### 3.4 Registration validation

During Enrollment, a student validates the registration he/she has made. Students who do not do registration validation (enrollment) will not be permitted to add/drop courses.

### 3.5 Minimum student registration in a course

An undergraduate course (100, 200, 300, 400 level course) -will run if minimum of 6 students register for the course. Under special circumstances, a departmental elective course may be allowed to run with registration of less than 6 students, with prior permission of Chairman, Senate. A 500 level course can run with minimum of 4 students; and there is no restriction in the case of a pre-Ph.D/ M.Tech. (Research) courses. This checking will be done on the last date for Add/Drop. The Academic section will drop courses without the minimum enrolment. The students who had registered for these courses will be de-registered, and they will be given one more day for adding a course in lieu of the dropped course.

### 3.6 Late registration/enrollment

Late registration / enrollment is permitted under the following conditions:

- (a) A student, who was not in the campus during the period of registration in the previous semester, needs to complete the registration process on or before the first day of the semester before proceeding for enrollment.
- (b) For reasons beyond his/her control, if a student is not able to enroll on scheduled date of enrollment, late enrollment is permitted upto ten days after the start of the semester with late enrollment fees of ~ 1000. A student who does not report till the last day of late enrollment, his/her name shall be removed from the roll of the Institute for that semester. A student has to submit Institute fees on or before last date of late enrollment. Only in exceptional cases, the Chairman Senate may permit the extension for submission of late fees, after the last date of late enrollment.

### 3.7 Addition, Deletion, Audit and Withdrawal from Courses

#### 3.7.1 Add/Drop

A student has the option to add or drop a course within the first week of the semester. Addition of courses is permitted for those courses in which the student has failed & the result was not declared before registration or for those courses which were offered after the registration. Permission to add the courses can also be granted for corresponding DE and HM courses for which a student has failed in previous semester, provided his/her DE and HM requirement cannot otherwise be fulfilled. Student is permitted to add a course to compensate for the courses which he/she had registered but had to be withdrawn by the Departments. This facility is restricted to the first week of the semester.

##### 3.7.1.1 Rules for deletion (drop) of course:

(i) **Drop without application:** Courses will be dropped automatically under the following conditions:

- (a) If the Registered Course is cleared in Summer Term,
- (b) If the student is permitted for award of JJ Grade in a course. For award of JJ Grade, a student is required to apply for JJ Grade through Faculty Advisor on or before date of enrollment.
- (c) Course is withdrawn by the department,
- (d) Confirmation of Internship is to be submitted to T&P cell by the registered student on or before date of enrollment. T&P cell shall send the list of students who have confirmed the Internship to the academic section in the evening of date of enrollment. For all the students whose internship is confirmed, all other registered courses will be dropped automatically. For all the students whose Internship is not confirmed, Internship will be dropped automatically.

(ii) **Drop with application:** If a student is under Load Restriction then he/she will have to apply for the drop in consultation with Faculty Advisor. If he/she does not submit the drop form then Institute shall drop any course randomly. Priority of drop should be as under:

- (a) Open Course,
- (b) DE Course,
- (c) HM Course,
- (d) Core Course in order of \*\*\*, \*\*, \*

##### 3.7.1.2 Rules for addition (add) of course:

- (i) Any new course offered can be added subject to the fulfillment of the condition of limit of Registered Credits, provided slot of the offered course is free.
- (ii) If the new course is offered in a slot where other courses are

registered then the new course can be added provided the course registered in the slot is not a First Year/Core Course and it's dropping does not affect the completion of the requirement of HM/DE Courses for award of degree. Under such circumstances course(s) registered in the slot in which new course is added shall be dropped and the student should apply for both add and drop.

(iii) A student whose courses are dropped due to course cleared in Summer Term/Award of JJ Grade/Course withdrawn by the department, is permitted to add the course(s) as per the rules of registration applicable to the student, subject to limit of the total credits registered during registration. However after addition, excess of 2 credits is permitted over and above the credits registered for current semester.

(iv) If a student fails in First Year/Core Course in which he/she had enrolled on the date of registration and the same course is being offered again in the current semester then this course can be taken in place of other Non-First Year/Non-Core Course in the same slot. If the slot of the course offered is free then student will have to drop one course, in order of mandatory priority of open/DE/HM, irrespective of credits of the added course and dropped course. Core Course cannot be dropped and credit limit as per the rules of registration should be followed.

(v) If student fails in DE/HM Course in previous semester and DE/HM requirement for award of degree is not completed and cannot be completed in future, if not registered in current semester, then any Open Course can be dropped to accommodate DE/HM Course. DE/HM Course shall be treated as Open Course if DE/HM requirement for award of degree is completed.

(vi) In case of last semester, if degree requirement cannot be completed because of failure in a course(s) in preceding semester then course(s) can be added subject to the limit of credits of failed course(s). However, excess of 2 credits shall be permitted if unavoidable.

#### Note:

1. No add and drop shall be permitted which does not follow the above rules.
2. Application for add/drop of a course shall be submitted by the student before the stipulated date. Faculty advisor should ensure that add/drop is as per rules. Add/drop of a course shall be approved by the Dean/Associate Dean (Academics).
3. Student shall be responsible for the short of attendance after addition of course. No attendance relaxation will be granted on the grounds that he/she joined the course late.
4. Submission of an application for add and drop, recommended by Faculty Advisor does not mean that it is granted.
5. A notice for approved add/drop courses shall be displayed by the academic section. Application for add/drop shall not be considered as approved till then.
6. Once add/drop form is submitted, second add/drop form will not be accepted/entertained.

#### 3.7.2 Audit

A student may apply for changing a credit course to an audit one within one week of the end of the first Mid Term examination.

#### 3.7.3 Withdrawal

A student who wants to withdraw from a course should apply within one week of the end of the first Mid Term examination. A withdrawal grade (XX) will be awarded in such cases. A course withdrawal will not be permitted if the number of students in that course drops to less than 6 on account of course withdrawal by the students and in such a case, no student will be allowed to withdraw from that course. A student will not be allowed to withdraw the course(s) if registered credits drop below 15 on account of dropping the courses.

3.7.3.1 Withdrawal of First Year Course is not permitted.

3.7.3.2 Withdrawal of Core Course is not permitted if DE/HM/Open Courses are also enrolled.

3.7.3.3 If students is enrolled for First Year/Core Courses only then withdrawal of Core Course may be permitted in the order of \*\*\* Core Course, \*\* Core Course, \* Core Course only.

#### 3.8 Semester withdrawal

If a student is absent for more than 20 teaching days in a semester on medical grounds, then he/she may apply for withdrawal from that semester, i.e. withdrawal from all courses registered in that semester. Application for semester withdrawal must be made as early as possible and latest one week before the start of the End Semester Examination. Partial withdrawal from courses registered in a semester is not allowed on medical ground.

In case of request for withdrawal on medical grounds, medical certificate issued by a registered medical practitioner will be acceptable.

#### 3.9 Enrollment in special module courses

Special module courses, i.e. V-category courses, can be offered at the beginning of the semester in which case the regular enrollment procedure will be followed. A V-category course may also be offered during the semester. In such a case, students will be allowed to add this course before classes for the course begin..



### 3.10 Registration for academic work at other institutions

Students planning to do academic work, i.e. take courses or do project work, at another institution in India or abroad, need to register prior to proceeding for such work. This includes students going out on exchange programs arranged through the institute and students intending to do project work at other institutions. Prior approval of the FA, HoD and Dean (Acad) is required before proceeding on such studies.

Project work shall be evaluated in NITUK. Course work shall be evaluated in the Institute where the student has taken a course. Based on the evaluation report provided by the Institute where the course has been taken, concerned BoS shall determine the credits, grades to be awarded and equivalence of courses studied to the courses of NITUK if any.

### 3.11 Registration for practical training

Before proceeding for practical training or training as part of the curricular requirement, the students should register for the respective course after obtaining approval from the training coordinator and head of the department. On returning after training, a continuation grade will be awarded and the students must enroll for the course in the regular semester immediately following the training period. During this semester, evaluation of the training will be carried out and a regular grade will be awarded.

### 3.12 Pre-requisite requirement for registration

A student should register for a course only if he/she fulfills the pre-requisite requirement(s). If the pre-requisite course is being done at the time of registration, the pre-requisite check will be performed centrally and those not fulfilling the pre-requisite will be de-enrolled from the course. This check will be made after the add/drop period is over; students de-enrolled in such cases will not be allowed to add any course.

### 3.13 Overlapping/Equivalent Courses

A student is not allowed to earn credits from two overlapping /equivalent courses. Overlapping / equivalent courses are specified along with each course.

### 3.14 Limits on registration

A student is permitted to register for a specified minimum and maximum number of credits. Details are given in sections 4.3.

### 3.15 Enrollment and fees payment

Every enrolled student must pay the stipulated fees (including Hostel Dues) in full before the specified deadlines. In the event that a student does not make these payments, he/she will be de-enrolled from all courses and his/her name will be struck-off the rolls.

### 3.16 Enrollment record

The student should ensure that the courses registered are entered on the Enrollment Record. Queries related to registration / enrollment will be considered only when accompanied by the original Registration Record/Enrollment Record. This record must be preserved until the semester grade card is received by the student.

### 3.17 Continuous absence and enrollment status

If a student is absent from the Institute for more than four weeks without notifying the Faculty Advisor or Head of Department or Dean (Acad), his/her enrollment will be terminated and name will be removed from the Institute rolls.

An UG student can withdraw for maximum two semesters during the course of completion of program. Withdrawal from semester at any stage does not allow student to extend the limit of six years for completion of program. A PG student can withdraw for maximum one semester during the course of completion of program. Withdrawal from semester at any stage does not allow student to extend the limit of three years for completion of program.

A student who does not enroll without withdrawing from semester can be removed from the roll of the Institute.

### 3.18 Attendance rule

3.18.1 All students must attend every lecture, tutorial and practical class. However, to account for late enrollment, sickness or other such contingencies, the attendance requirement will be a minimum of 75 % of the classes actually held.

3.18.2 A student with less than 75% attendance in a course during the semester, in lectures, tutorials and practical taken together (as applicable), will be awarded 'W' attendance in that course irrespective of his/her performance in the tests. The course coordinator will award 'W' grade to the student who is deficient in attendance taking into account the consolidated attendance record for the whole semester for the course concerned. For the purpose of attendance calculation, every scheduled practical / tutorial class will count as one unit irrespective of the number of contact hours.

3.18.3 Attendance record will be maintained based upon roll calls (or any equivalent operation) in every scheduled lecture, tutorial and practical class. The course coordinator will maintain and consolidate attendance record for the course (lectures, tutorials and practicals together, as applicable).

3.18.4 To account for circumstances beyond control, students shall be permitted in only two semesters (only one semester for PG) (only twice in the duration of program for UG and once for PG) the attendance below 75%, provided it is at least

65%. Attendance grade of L shall be awarded in such cases. A student who is awarded an L grade (s) in a course(s) will have an option of availing/not availing L grade facility in one or more courses as per his/her choice. The student shall be awarded a W grade(s) in a course(s) in which he/she does not avail L grade facility. The student will be required to give an appropriate undertaking in this regard.

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.

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 events and Institute/Ministry promoted events, subject to the limit up to 5% of the total classes engaged in the specific course, over and above the requirement of minimum attendance. The relevant record about student's participation for this purpose, as authenticated by the concerned Department/Section will be considered for the purpose of the above mentioned relaxation in attendance.

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 160 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	106



1.1	Departmental Core	DC	59
1.2	Basic Sciences	BS	19
1.3	Engineering Arts and Sciences	ES	22
1.4	Humanities and Social Sciences	HM	6
2	UG Elective	UE	56
2.1	Departmental Electives	DE	25 (minimum)
2.2	Humanities, Social Sciences,	HM	6 (minimum)
2.3	Open Courses	OC	23 (balance)
3	Non Credit Requirement	UN	0 (2 Courses)
4	TOTAL REQUIREMENT		160(Minimum)

#### 4.1.2 Postgraduate Program

S. No	Category	Symbol	M. Tech (2-Year) (Credits)
1	PG Core	PC	30
1.1	Departmental Core	DC	13
1.2	Project phase-I	P1	05
1.3	Project phase-II	P2	10
1.4	Seminar	SM	02
2	PG Elective	PE	25
2.1	Specialization Electives	SE	19
2.2	Open Courses	OC	06
	TOTAL REQUIREMENT		55 (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 160 earned credits for 4-year B.Tech. Programs.

(b) Completion of 55 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. There shall be no upper limit on credit earned. However, If B.Tech/M.Tech students earns 160/55 or more credits at the end of 8<sup>th</sup> /4<sup>th</sup> semester satisfying all other requirements he/she shall be declared as eligible for award of degree and shall cease to be a student of the Institute.

#### 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 6<sup>th</sup> 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 2<sup>nd</sup> year (4<sup>th</sup> 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 80 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 8 credits from the elective courses in any category *out of 160 credits* required for B.Tech. degree may be completed on audit basis. However, students who opt for auditing any number of credits out of 160 shall not be eligible for any awards based on CGPA / SGPA. Students who opt for audit courses over and above 160 credits shall be eligible for all awards.

(b) M.Tech. (2-year) program: No courses *out of 55 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 15 credits without any audit course and a maximum of 26 credits in a semester. A student can register in a semester 10 or more credits (without audit course) if registered at other institute for credit transfer. Similarly a student undergoing Internship shall register only for internship which is 06 credit audit course.

Under exceptional circumstances, a student can register for a maximum of 28 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 1 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 12 credits and a maximum of 20 credits in a semester till a student earns 34 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.

#### 4.5 Academic performance monitoring and Load restriction

The Senate Under Graduate Board (SUGB)

4.6 ) /Senate Post Graduate Board (SPGB) shall monitor the academic performance of students at the end of each semester.

##### 4.6.1 Identification of Students for Load Restriction

At the end of each semester, students will be identified by the following criteria for restricted load:

(a) If SGPA falls below 4.0 and

(b) Has earned minimum credits required to continue the program.

A student thus identified will not be permitted to register for more than 20 credits in a semester. In rare cases, Dean (Acad.) can permit relaxation of this limit on recommendation of SUGB / SPGB.

##### 4.6.2 Identification of Students for Monitoring

At the end of each semester, students will be identified by the following criteria for monitoring of their academic performance and appropriate advice:

(a) SGPA of a student falling 2 points below that of the previous semester; or

(b) Students whose load has been restricted.

##### 4.6.3 Academic Performance Monitoring

###### Advisory Committee (APMAC).

All the students;

a. Identified for Load Restriction/Monitoring as per clause 4.5.2,

b. Having CGPA below 6.00,

c. Having attendance less than 65% at the end of Mid Term I,

d. Scoring mark less than 50% of class average in a Course at the end of Mid Term I, shall be monitored by the APMAC. There shall be at least three APMAC meetings per student and each student shall under go at least three counseling sessions with the Counseling Cell in a Semester.

APMAC shall consist of:

a. Head of the Department (Chairman). b. Faculty Advisor.

c. Counselor(s).

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

#### 4.7 Termination of registration due to unsatisfactory



## academic performance

### 4.7.1 B.Tech.

The SUGB/SPGB while reviewing the academic performance of weak students would also recommend termination of registration if a student fails to satisfy the minimum academic criteria laid down for continuation as a student at the end of each semester.

**1<sup>st</sup> year students:** A student must complete at least 15 credits at the end of the 2<sup>nd</sup> semester of his/her stay in the Institute, failing which his/her registration would be terminated. A student can appeal against this termination and SUGB /SPGB shall consider the appeal on merit. Even if the appeal is upheld, minimum credit requirements after subsequent years shall not change.

**2<sup>nd</sup> year students:** A student must complete at least 35 credits at the end of 4<sup>th</sup> semester of his / her stay in the Institute, failing which his/her registration would be terminated and no appeal would be allowed.

**3<sup>rd</sup> year onwards:** A student's registration may be terminated at the end of 3<sup>rd</sup> year, 4<sup>th</sup> year or 5<sup>th</sup> year if he/she fails to earn at least 60, 90 or 120 credits, respectively. The student may appeal against termination within the first week of the next semester.

In case a student has withdrawn for one or more semesters, the earned credit requirements would be reduced by 10 credits for each semester of withdrawal in the 1<sup>st</sup> year, and by 8 credits for each semester of withdrawal in the 2<sup>nd</sup> year onwards. However, if at any stage, the number of credits required is more than 26 times N (26 x N) where N is the number of semester left, the registration would be terminated without giving any opportunity to appeal.

A summary of the above criterion is present in the following table.

Year	After End of Semester	With appeal allowed	With no appeal
1	I	-	-
	II *	15	-
2	I	-	-
	II *	-	35
3	I	-	-
	II *	60	55
4	I	-	65
	II *	90	75
5	I	-	85
	II *	120	108
6	I	-	134
	II *	160	150

NOTE: \* implies that credits are checked after the summer term of that year.

### 4.8 Maximum time for completing degree requirements

The maximum allowable period for completing all degree requirements is 6 years for B.Tech. programme from the date of first registration. Over and above the 6- year upper limit for 4-year programs, a student is allowed one extra semester for every semester he/she withdraws for undergoing industrial training or internship (not included in curriculum) up to a maximum of two extra semesters. Applications for all such semester withdrawals must be made to Dean (Acad) through the student's FA and Head of the Department in the semester preceding the semester for which withdrawal is to be sought, or earlier.

The maximum allowable period for completing all degree requirements is 3 years for M.Tech. programs, from the date of first registration.

### 4.9 Preparatory English/Mathematics Course (UG Only)

Students who are declared deficient in English and or Mathematics will be prescribed a preparatory English and or Mathematics course (HMP 101, SCL101) in the first semester. These will be regular courses and credits earned by successful completion of these courses will be counted towards additional audit courses. The student is required to get valid pass grade in these courses in order to be eligible for graduation. Proficiency tests in Mathematics / English shall be conducted for all the first year B.Tech. students to identify the deficiency. This provision shall be implemented from Academic year 2014-15.

### 4.10 Courses of special nature

Courses of special nature are: National Cadet Corps (N.C.C.), National Sports Organization (N.S.O.) and National Service Scheme (N.S.S.); Independent Study, Project, Practical Training, Colloquium, and Major Project. Salient features of these courses are given below. (See section 2.1 for numbering scheme).

#### (a) N.C.C., N.S.O. and N.S.S. (UG Only)

Satisfactory completion of one of these courses is a non-credit (NC) mandatory requirement and every student is required to complete this

course in the first year by participating in the prescribed requirements. At the time of joining the Institute, all students have to opt for one of these three activities. Based on facilities available, a student will be enrolled in one of these and he/she will be registered in the corresponding course: NCN101 for N.C.C., NCN102 for N.S.S., and NCN103 for N.S.O. An SS grade in these courses will be awarded on successful completion of prescribed activities in a semester. Every student is required to obtain an SS grade in NCN101/NCN102/NCN103 in two semesters. This requirement should preferably be completed in the first year, but not later than the end of his/her second year (4<sup>th</sup> semester). If a student does not complete these requirements within the first two years of his/her stay at the Institute, he/she will not be allowed to register for any course except NCN101/NCN102/NCN103. Additional option to this requirement shall be two courses offered by sports section SPB101, SPB102, (Sports - I & Sports - II). These two courses can be completed by a student as a substitution to NCN101/NCN102/NCN103.

#### (b) Independent Study

Independent Study is an elective course that some departments may offer from fourth semester onwards for UG students and any time for PG students. It is a 2/3 credit course covering one or more of the following:

- In-depth study and critical review of a specified topic;
- Specialized laboratory work/experimental project/feasibility study;
- Work on a research project;
- Software development on a specified topic.

An individual student and teacher should decide upon the topic and submit an initial write-up to get the approval of the Course Coordinator before the end of the semester when the course is registered for (i.e. in the semester prior to doing the course). The duration of the course will be the entire semester. The student on completion of the course should submit a written report. A departmental committee via a mid-session and final evaluation will evaluate the student's performance. An UG student has to earn 90 credits and obtain at least 7.5 CGPA to become eligible to do Independent Study.

#### (c) Project (UG Only)

A course under this title will be floated by departments from fourth semester onwards in both odd and even semesters. project will be a regular course to conduct a design and fabrication (not only design / simulation) type. The course shall bear a number XXD201 and will have zero credits. A Course coordinator along with two co-teachers shall offer a list of projects. Students can suggest their own concepts. Projects shall be finalized in first two weeks of the semester. Project shall be evaluated in three phases as per D type of courses. At the end of the semester a joint report of completed projects shall be uploaded on Department's page of the Institute Website. Project can be done jointly by 3 students, each having earned at least 70 credits.

#### (d) Practical Training (UG Only)

Practical Training is a non-credit departmental core course (XXT201) to be done typically in the summer semester following sixth semester. A student who has earned at least 60 credits at the end of 4 semesters is eligible to undergo practical training in the summer following fourth semester. The duration for practical training is 4 weeks (minimum), preferably in an industry or R&D institution in India. Practical training in academic institutions is discouraged.

It is the joint responsibility of the departments and the Training and Placement (T&P) unit to arrange for training for all their students. In the beginning of each academic session, T&P unit will prepare program-wise lists of potential training organizations in consultation with the respective departments. These organizations will be approached by the T&P unit with a request to provide training seats. Consolidated lists of training offers will be made available to the students through departments in the beginning of the second semester of the session. If a student is interested in making his/her own arrangement for the training seat, he/she will need to have the training organization approval and route the application through the departmental training incharge and T&P unit. All such applications must be completed before the end of even semester.

The department will appoint a training supervisor for each student. The supervisor is expected to keep contact with the assigned students through e-mail and /or telephone. The students will be required to get their training plan reviewed by their supervisor within the first week and report their progress on weekly basis. The supervisor, if desires, may visit the organization. Visits within the country will be supported by the institute.

A student will be registered for Practical Training course in the Odd Semester before going for training. He/she has to submit the copy of offer letter to his/her HoD as well as in the Training & Placement section before leaving for training. This practical training/colloquium shall be accounted in Summer Term. The Department will scrutinize the training report and the training certificate and will award SS grade within the next semester, if the training is satisfactory. In case the training is considered to be unsatisfactory, a ZZ grade will be awarded and the student may have to undergo fresh practical training for a part or full duration. Practical Training and submission of summer training report is a mandatory requirement for graduation.

#### (e) Colloquium (UG Only)



Colloquium is a 1.5 credit course (XXT301) and includes assessment of practical training. A student will be eligible to do Colloquium if he/she had secured an SS grade for Practical Training earlier. The procedure for registration shall remain same. In colloquium, extensive work on a specific task in the Industry for at least 8 weeks is necessary. The report and certificate should be presented to the Department. Department shall arrange a presentation and on evaluation, an SS grade shall be awarded. If the training is for 6 months, then 6 credits can be assigned. Minimum requirement for Colloquium is CGPA of 8.0 or better and completion of at least 125 credits including all DC courses

**(f) Major Project**

The Major Project is an Elective course for UG and Core Course for PG spread over at least two regular semesters and comprises of Part 1 (XXD401 / XXD501) and Part 2 (XXD402/XXD502). The allocation of major projects, faculty guides and tentative plan of work are to be done typically before the last day of classes of the 2<sup>nd</sup> semester (for M.Tech. program), 6th semester (for 4 year B.Tech. programs). Part 2 is normally expected to be a continuation of Part 1, except under those exceptional circumstances in which the supervisor (guide) is changed at the end of Part 1. Mid-session assessments and an end session assessment will be carried out for each part. Part 1 and Part 2 will be graded separately. A student must have obtained a pass grade in Project Part 1 in order to be eligible for registering for Project Part 2. Only those UG students whose CGPA is above 7.5 are permitted to register for this course. Major Project is Department Elective for UG students and Department Core for PG students. Major project will be done jointly by 3 students and exceptions in number on students will be approved by the concerned HoD. Students cannot register for Major Project Part-I without completing Project.

**(g) Special Module (V-category) Courses**

Special module courses are 1 or 2 credit courses that can be offered at the beginning of the semester or during the semester. These courses will usually cover specialized topics that are not generally available in the regular courses. Eligible students can register for these courses for credit. The course coordinator will evaluate the student's performance and award a letter grade. The credits so earned will count towards the appropriate category for degree completion purposes.

**(h) Literature Review Paper Writing**

A course under this title will be floated by departments from fifth semester onwards in both Autumn and Even Semesters. Literature Review Paper Writing will be a regular course to review literature on a specific topic suggested by the Course Coordinator and write a review paper on the topic. The course shall bear a number XXD301 and will have zero credits. A Course coordinator along with two co-teachers shall offer