

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

AGENDA

For

54th MEETING OF SENATE



Venue of meeting: Senate Hall, NIT, Kurukshetra

Date & Time : 7th October, 2024

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S 54.01 To confirm the minutes of 53rd Senate meeting held on 10.07.2024.

The minutes of 53rd Senate meeting held on 10.07.2024 were circulated among Senate members through email dated 24.07.2024. No comments have been received from any member of the Senate. The minutes are enclosed as Annexure S 54.01 from pages 2 to 10.

The Senate may confirm the minutes of 53rd Senate meeting held on 10.07.2024.



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

MINUTES OF 53rd MEETING OF THE SENATE

Minutes of the 53rd meeting of the Senate, NIT, Kurukshetra held on Wednesday, 10th July 2024 at 3.00 p.m. in the Senate Hall of the Institute.

MEMBERS PRESENT

- | | |
|---|-------------|
| 1. Prof. B.V. Ramana Reddy Director National Institute of Technology Kurukshetra | Chairperson |
|---|-------------|

Internal Members (Department wise & in alphabetical order)

Civil Engineering Department

2. Prof. Arun Goel, Professor
3. Prof. Ashwani Jain, Professor
4. Prof. H.K. Sharma, Professor
5. Prof. Mahesh Pal, Professor
6. Prof. S.K. Madan, Professor
7. Prof. S.K. Patidar, Professor
8. Prof. S.M. Gupta, Professor
9. Prof. V.P. Singh, Professor
10. Prof. N.K. Tiwari, Professor

Chemistry Department

11. Prof. J.K. Kapoor, Professor

Computer Engineering Department

12. Prof. J.K. Chhabra, Professor
13. Prof. Mayank Dave, Professor
14. Prof. Sanjay Kumar Jain, Professor
15. Prof. R.K. Aggarwal, Professor

Computer Applications Department

16. Dr. Sandeep Kumar Sood, Associate Prof. & HoD

Electrical Engineering Department

- 17. Prof. Ashwani Kumar, Professor
- 18. Prof. G.L. Pahuja, Professor
- 19. Prof. Jagdeep Singh Lather, Professor
- 20. Prof. Jyoti Ohri, Professor
- 21. Prof. Lillie Dewan, Professor
- 22. Prof. Sathans, Professor
- 23. Prof. Saurabh Chanana, Professor

Electronics & Communication Engineering Department

- 24. Prof. Brahmjit Singh, Professor
- 25. Prof. Rajoo Pandey, Professor
- 26. Prof. R.K. Sharma, Professor
- 27. Prof. Umesh Ghanekar, Professor
- 28. Sh. Karan Sharma, Associate Professor & HoD

Humanities & Social Sciences Department

- 29. Prof. Kiran Mor, Professor
- 30. Prof. Vikas Choudhary, Professor

Mechanical Engineering Department

- 31. Prof. Dixit Garg, Professor
- 32. Prof. Gian Bhushan, Professor
- 33. Prof. Hari Singh, Professor
- 34. Prof. Meenu, Professor
- 35. Prof. Pankaj Chandna, Professor
- 36. Prof. P.C. Tiwari, Professor
- 37. Prof. Surjit Angra, Professor
- 38. Prof. V.K. Bajpai, Professor


Mathematics Department

- 39. Dr. A.S.V. Ravi Kanth, Professor

Physics Department

- 40. Prof. R.P. Chauhan, Professor







The absence of following members to this meeting is noted:

1. Prof. Vinod Kumar External member
Professor, Electronics & Comm. Engg.,
National Institute of Technology,
Hamirpur (HP)
2. Prof. Prasad V. Bharatam External member
Professor & Head,
Deptt. of Medicinal Chemistry
National Institute of Pharmaceutical
Education and Research (NIPER),
Mohali (Punjab)
3. Prof. (Ms.) Manju Singh, External member
Professor,
Deptt. of Humanities & Social Sciences,
Malaviya National Institute of Technology,
Jaipur (Rajasthan)

Internal Members (Department wise & in alphabetical order)

Business Administration

4. Dr. Neeraj Kaushik, Associate Prof. & HoD

Civil Engineering Department

5. Prof. Baldev Setia, Professor
6. Prof. K.K. Singh, Professor
7. Prof. Parveen Aggarwal, Professor
8. Prof. Pratibha Aggarwal, Professor
9. Prof. Saraswati Setia, Professor
10. Prof. Surinder Deswal, Professor
11. Prof. Babita Saini, Professor

Chemistry Department

12. Prof. Minati Baral, Professor

Computer Engineering Department

13. Prof. A.K. Singh, Professor





**Electrical Engineering Department**

- 14. Prof. L.M. Saini, Professor
- 15. Prof. Ratna Dahiya, Professor
- 16. Prof. Yashpal, Professor

Electronics & Communication Engineering Department

- 17. Prof. O.P. Sahu, Professor

Mechanical Engineering Department

- 18. Prof. Ajai Jain, Professor
- 19. Prof. Dinesh Khanduja, Professor
- 20. Prof. P.K. Saini, Professor
- 21. Prof. Puneet Kumar, Professor
- 22. Prof. Vinod Kumar, Professor

Mathematics Department

- 23. Prof. Paras Ram, Professor

Physics Department

- 24. Prof. Ashavani Kumar, Professor
- 25. Prof. Neena Jaggi, Professor

At the outset, the Hon'ble Director and the Chairman of the Senate welcomed all members of the Senate. He then accorded permission to present the agenda of the meeting.

The agenda was presented and after detailed deliberations, the following decisions were taken in the meeting:

S 53.01 To confirm the minutes of 52nd Senate meeting held on 12.02.2024.

The Senate confirmed the minutes of 52nd Senate meeting held on 12.02.2024.

S 53.02 To note the minutes of 67th SCSA meeting held on 23.04.2024.

The Senate noted the minutes of 67th SCSA meeting held on 23.04.2024.

Minutes of 53rd meeting of Senate

S 53.03 To note action taken report on the minutes of 52nd Senate meeting held on 12.02.2024.

The Senate noted the action taken report on the minutes of 52nd Senate meeting held on 12.02.2024.

S 53.04 To consider the request of a student to compensate the short attendance due to serious medical issues for opting 'D' grade.

The Senate considered the request of the student and approved it as a special case.

S 53.05 To consider the proposal for establishment of 'Nanjibhai Patel Scholarship'.

While considering this proposal, one of the Senators pointed that the proposal is to be routed through Dean (SW). Hence, the agenda item was deferred. Further, it was decided that the amount received from alumnus i.e. Rs. 15 lakh will be transferred to the Institute. Then this agenda item will be routed through Dean (SW) and will be placed in next Senate meeting.

S 53.06 To consider and decide the regulations for UG programmes.

After long discussions, the Senate decided that the regulations for UG programmes may be circulated among departments/schools for inputs/suggestions and will be placed in next Senate meeting.

S 53.07 To consider the proposal of revised B.Tech. 3rd & 4th year scheme and scheme of minor degree courses.

The Senate considered and approved the proposal of revised B.Tech. 3rd & 4th year scheme of all UG programmes and scheme of minor degree courses.

S 53.08 To consider the proposal of 2nd year scheme of following three B.Tech. courses started from the AY 2023-24.

- (i) **Industrial Internet of Things**
- (ii) **AI & Machine Learning**
- (iii) **Mathematics & Computing**

The Senate considered and approved the 2nd year scheme of following three B.Tech. courses started from the AY 2023-24.

- (i) **Industrial Internet of Things**
- (ii) **AI & Machine Learning**
- (iii) **Mathematics & Computing**

S 53.09 To consider the proposal of scheme & syllabus of following new B.Tech. courses and B.Arch. to be started from the AY 2024-25 (First Year).

- (i) **Robotics & Automation**
- (ii) **Micro Electronics & VLSI Engineering**
- (iii) **Artificial Intelligence & Data Science**
- (iv) **Sustainable Energy Technologies**
- (v) **B. Arch.**

The Senate considered and approved the scheme and syllabus of following four new B.Tech. courses and B.Arch. for the AY 2024-25 (First Year). It was decided that the course name will be B.Arch. in place of B.Arch. & Planning.

- (i) **Robotics & Automation**
- (ii) **Micro Electronics & VLSI Engineering**
- (iii) **Artificial Intelligence & Data Science**
- (iv) **Sustainable Energy Technologies**
- (v) **B. Arch.**

S 53.10 To consider the request of an M.Tech. student to re-conduct exam. of two papers at department level due to medical issue at the time of exam.

While considering the case, the Senate decided that after declaring the 2nd semester results, the special re-appear exams of PG classes will be conducted for such cases.

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for

- S 53.11 To consider the proposal for relaxation in eligibility criteria for admission under self-financed seats of M.Tech. programmes.**

The Senate approved the relaxation in eligibility criteria for admission under self-financed seats of M.Tech. programmes i.e. 6.0 CGPA (on 10-point scale) or 55% marks aggregate on all semesters for one time only for AY 2024-25.

- S 53.12 To note the nomination of faculty member as Senate Nominee on the Board of Governors of the Institute.**

The Senate noted the name of faculty member as Senate Nominee member on the Board of Governors of the Institute.

- S 53.13 To note the Panel of Experts (Nominee of the Senate) for the recruitment of Academic Staff for the discipline of Architecture.**

The Senate noted the Panel of Experts (Nominee of the Senate) for the recruitment of Academic Staff for the discipline of Architecture.

- S 53.14 To note the additional Panel of Expert Nominee of the Senate from outside the Institute on the Selection Committees for the recruitment of Academic Staff in various subjects.**

The Senate noted the additional Panel of Expert Nominee of the Senate from outside the Institute on the Selection Committees for the recruitment of Academic Staff in various subjects.

- S 53.15 To consider the Establishment of Department of Architecture and Planning in the Institute.**

The Senate considered the proposal and after detailed deliberations, as per clause 8 (xii) of the First Statute of NITs, the Senate recommends to the Board for the establishment of 'Department of Architecture & Planning' in the Institute. Further, the Senate confirmed the minutes of this agenda item.

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S 53.16 To consider the proposal of scheme and syllabus of Master of Computer Applications.

The Senate considered and approved the revised scheme and syllabus of Master of Computer Applications.

S 53.17 To consider some minor modifications in existing scheme of B.Tech. in Elect. Engg. started w.e.f. AY 2022-23 and introduction of two contact hour Audit Course "Preparation of Major Project" in 7th semester w.e.f AY 2024-25 in old & new scheme.

The Senate approved following minor modifications in existing scheme of B.Tech. in Elect. Engg. started w.e.f. AY 2022-23:

- (i) 4 to 8 weeks Internship/Training at Industry/NIT Kurukshetra/Other Academic Institutions/R&D Organisations after 4th semester and 6 to 8 weeks after 6th semester for B.Tech. 2022 batch & onwards instead of 2 months.
- (ii) Addition of new elective Analog & Digital Communication in place of Guidance & Control at code number EEPE 318 D & its syllabus.
- (iii) Minor modification in syllabus of Linear System Theory Code no. EEPC206.
- (iv) Inclusion of open Elective Drone Technology (EEOE-405) in the 7th semester & its syllabus.

The Senate also approved the introduction of two contact hours Audit course 'Preparation of Major Project' in the 7th semester of B.Tech. w.e.f. AY 2024-25 in old & new scheme.

S 53.18 To consider the request of a student belonging to SC category for waiving off the tuition fee.

After discussions, it was decided that twenty-five percent tuition fee for SC/ST/PwD candidates in all M.Sc. programmes under regular seats may be waived off.

- S 53.19 To consider the proposal regarding implementation of 8th semester internship in UG curriculum.**

After detailed deliberations, it was decided that the Board of Studies (BoS) of the department will decide the implementation of 8th semester internship in UG curriculum.

Any other item

Under any other item, the following agenda items were discussed:


- S 53.20 Letter received from GOI, Ministry of Tribal Affairs (Scholarship Division) regarding National Fellowship and Scholarship for Higher Education for ST students.**

As per the guidelines of the letter, it was decided that tuition fee from the AY 2023-24 will be refunded to the ST students admitted under Ph.D. programmes after claiming the same from the Ministry of Tribal Affairs (Scholarship Division) accordingly.


- S 53.21 Printing of date on the Degree to be awarded**

The matter regarding the date to be published on the Degree Certificate was discussed. It was decided that the date of Senate meeting in which the lists of degrees were approved, will be published on the degree certificates to be awarded.

The meeting ended with a vote of thanks to the Chair.


(R.P. Chauhan)
Dean (Academic)


(B.V. Ramana Reddy)
Director & Chairman Senate


(G.R. Samantaray)
Registrar Incharge &
Secretary, Senate

S 54.02 To note the action taken report on the minutes of the minutes of 53rd Senate meeting held on 10.07.2024.

The action taken on the minutes of minutes of 53rd Senate meeting held on 10.07.2024 is as under: -

Action Taken Report on the minutes of the minutes of 53rd Senate meeting held on (10.07.2024).

| Item No. | Agenda Item | Minutes of the Item | Action |
|----------|---|---|---|
| S 53.01 | To confirm the minutes of 52 nd Senate meeting held on 12.02.2024. | The Senate confirmed the minutes of 52 nd Senate meeting held on 12.02.2024. | The Senate confirmed the minutes. |
| S 53.02 | To note the minutes of 67 th SCSA meeting held on 23.04.2024. | The Senate noted the minutes of 67 th SCSA meeting held on 23.04.2024. | The Senate noted the minutes. |
| S 53.03 | To note action taken report on the minutes of 52 nd Senate meeting held on 12.02.2024. | The Senate noted the action taken report on the minutes of 52 nd Senate meeting held on 12.02.2024. | The Senate noted the action taken report. |
| S 53.04 | To consider the request of a student to compensate the short attendance due to serious medical issues for opting 'D' grade. | The Senate considered the request of the student and approved it as a special case. | Action was taken. |
| S 53.05 | To consider the proposal for establishment of 'Nanjibhai Patel Scholarship'. | While considering this proposal, one of the Senators pointed that the proposal is to be routed through Dean (SW). Hence, the agenda item was deferred. Further, it was decided that the amount received from alumnus i.e. Rs. 15 lakh will be transferred to the Institute. Then this agenda item will be routed through Dean (SW) and will be placed in next Senate meeting. | Action was taken. In this regard, a letter no. Acad. 2024/1279 dt. 5.8.2024 has been sent to all concerned |
| S 53.06 | To consider and decide the regulations for UG programmes. | After long discussions, the Senate decided that the regulations for UG programmes may be circulated among departments/schools for inputs/suggestions and will be placed in next Senate meeting. | Action was taken. Regulations for UG programmes were circulated for inputs/suggestions and changes were incorporated after receiving the inputs/suggestions. A separate |

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| | | | agenda item is being taken as S 54.03. |
| S 53.07 | To consider the proposal of revised B.Tech. 3rd & 4th year scheme and scheme of minor degree courses. | The Senate considered and approved the proposal of revised B.Tech. 3rd & 4th year scheme of all UG programmes and scheme of minor degree courses. | Action was taken. |
| S 53.08 | To consider the proposal of 2nd year scheme of following three B.Tech. courses started from the AY 2023-24. (i) Industrial Internet of Things (ii) AI & Machine Learning (iii) Mathematics & Computing | The Senate considered and approved the 2nd year scheme of following three B.Tech. courses started from the AY 2023-24. (i) Industrial Internet of Things (ii) AI & Machine Learning (iii) Mathematics & Computing | Action was taken. |
| S 53.09 | To consider the proposal of scheme & syllabus of following new B.Tech. courses and B.Arch. to be started from the AY 2024-25 (First Year). (i) Robotics & Automation (ii) Micro Electronics & VLSI Engineering (iii) Artificial Intelligence & Data Science (iv) Sustainable Energy Technologies (v) B. Arch. | The Senate considered and approved the scheme and syllabus of following four new B.Tech. courses and B.Arch. for the AY 2024-25 (First Year). It was decided that the course name will be B.Arch. in place of B.Arch. & Planning. (i) Robotics & Automation (ii) Micro Electronics & VLSI Engineering (iii) Artificial Intelligence & Data Science (iv) Sustainable Energy Technologies (v) B. Arch. | Action was taken. |
| S 53.10 | To consider the request of an M.Tech. student to re-conduct exam. of two papers at department level due to medical issue at the time of exam. | While considering the case, the Senate decided that after declaring the 2nd semester results, the special re-appear exams of PG classes will be conducted for such cases. | Action was taken. In this regard, a letter no. Acad./2024/1296 dt. 7.8.2024 has been issued. |
| S 53.11 | To consider the proposal for relaxation in eligibility criteria for admission under self-financed seats of M.Tech. programmes. | The Senate approved the relaxation in eligibility criteria for admission under self-financed seats of M.Tech. programmes i.e. 6.0 CGPA (on 10-point scale) or 55% marks aggregate on all semesters for one time only for AY 2024-25. | Action was taken. The admissions for AY 2024-25 under self-financed seats has been done accordingly. |
| S 53.12 | To note the nomination of faculty member as Senate Nominee on the Board of Governors of the Institute. | The Senate noted the name of faculty member as Senate Nominee member on the Board of Governors of the Institute. | No further action is required. |
| S 53.13 | To note the Panel of Experts (Nominee of the Senate) for the recruitment of Academic Staff for the discipline of Architecture. | The Senate noted the Panel of Experts (Nominee of the Senate) for the recruitment of Academic Staff for the discipline of Architecture. | No further action is required. |

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| S 53.14 | To note the additional Panel of Expert Nominee of the Senate from outside the Institute on the Selection Committees for the recruitment of Academic Staff in various subjects. | The Senate noted the additional Panel of Expert Nominee of the Senate from outside the Institute on the Selection Committees for the recruitment of Academic Staff in various subjects. | No further action is required. |
| S 53.15 | To consider the Establishment of Department of Architecture and Planning in the Institute. | The Senate considered the proposal and after detailed deliberations, as per clause 8 (xii) of the First Statute of NITs, the Senate recommends to the Board for the establishment of 'Department of Architecture & Planning' in the Institute. Further, the Senate confirmed the minutes of this agenda item. | Action has been taken. The BoG approved the minutes of this agenda item in its 67 th meeting held on 12.7.2024 vide agenda item no. BoG 67.17. |
| S 53.16 | To consider the proposal of scheme and syllabus of Master of Computer Applications. | The Senate considered and approved the revised scheme and syllabus of Master of Computer Applications. | Action was taken. A letter no. Acad./2024/1277 dt. 5.8.2024 has been sent to HoD, MCA. |
| S 53.17 | To consider some minor modifications in existing scheme of B.Tech. in Elect. Engg. started w.e.f. AY 2022-23 and introduction of two contact hour Audit Course "Preparation of Major Project" in 7th semester w.e.f AY 2024-25 in old & new scheme. | <p>The Senate approved following minor modifications in existing scheme of B.Tech. in Elect. Engg. started w.e.f. AY 2022-23:</p> <p>(i) 4 to 8 weeks Internship/Training at Industry/NIT Kurukshetra/Other Academic Institutions/R&D Organisations after 4th semester and 6 to 8 weeks after 6th semester for B.Tech. 2022 batch & onwards instead of 2 months.</p> <p>(ii) Addition of new elective Analog & Digital Communication in place of Guidance & Control at code number EEPE 318 D & its syllabus.</p> <p>(iii) Minor modification in syllabus of Linear System Theory Code no. EEPC206.</p> <p>(iv) Inclusion of open Elective Drone Technology (EEOE-405) in the 7th semester & its syllabus.</p> <p>The Senate also approved the introduction of two contact hours Audit course 'Preparation of Major Project' in the 7th semester of B.Tech. w.e.f. AY 2024-25 in old & new scheme.</p> | Action was taken. A letter no. Acad./2024/1294 dt. 7.8.2024 has been sent to HoD, Elect. Engg. |
| S 53.18 | To consider the request of a student belonging to SC category for waiving off the tuition fee. | After discussions, it was decided that twenty-five percent tuition fee for SC/ST/PwD candidates in all M.Sc. programmes under regular seats may be waived off. | The BoG in its 68 th meeting held on 21.8.2024 vide agenda item no. BoG 68.5 deferred this agenda item as the fees of the students in all programmes |

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| | | | is decided by the Council of NITSER. |
| S 53.19 | To consider the proposal regarding implementation of 8th semester internship in UG curriculum. | After detailed deliberations, it was decided that the Board of Studies (BoS) of the department will decide the implementation of 8th semester internship in UG curriculum. | Action was taken. A letter no. Acad./2024/1295 dt. 6.8.2024 has been issued. |
| S 53.20 | Letter received from GOI, Ministry of Tribal Affairs (Scholarship Division) regarding National Fellowship and Scholarship for Higher Education for ST students. | As per the guidelines of the letter, it was decided that tuition fee from the AY 2023-24 will be refunded to the ST students admitted under Ph.D. programmes after claiming the same from the Ministry of Tribal Affairs (Scholarship Division) accordingly. | Action was taken. In this regard, a letter no. Acad./2024/1304 dt. 7.8.2024 has been issued. |
| S 53.21 | Printing of date on the Degree to be awarded | The matter regarding the date to be published on the Degree Certificate was discussed. It was decided that the date of Senate meeting in which the lists of degrees were approved, will be published on the degree certificates to be awarded. | Action was taken. A letter no. Acad./2024/1278 dt. 5.8.2024 has been sent to the concerned. |

The Senate may note the action taken report.

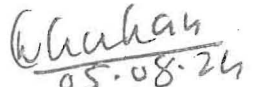
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2024/1979

Dated: 5.8.2024

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.05 decided that the proposal for establishment of 'Nanjibhai Patel Scholarship' is to be routed through Dean (SW). Further, it was decided that the amount received from alumnus i.e. Rs. 15 lakh will be transferred to the Institute. After this, agenda item will be routed through Dean (SW) and will be placed in next Senate meeting.

This is for kind information and further necessary action.


05.08.24
Dean (Academic)

Dean (SW)

Copy to:

1. AR to Director for kind information of the Director.
2. President, NITKAA
3. PS to Registrar Incharge

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

No. Acad./2024/1298

Dated: 7.8.2024

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.10, while considering the request of M.Tech. 2nd semester student regarding special permission to conduct the exam. of two papers due to medical issue at the time of exam., decided that after declaring the 2nd semester results, the special re-appear exams. of PG classes will be conducted for such cases.

This is for kind information and further necessary action.


07.08.24
Dean (Academic)

All HoDs/School Coordinators

Copy to:

1. AR to Director for kind information of the Director.
2. PS to Registrar Incharge
3. Faculty I/C (PG)
4. Faculty I/C (Exam.)
5. Concerned PG Desk

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA – 136119**

No. NITK / 67th BOG / 3737

Dated: 01.08.2024


The Board of Governors of the Institute at its 67th meeting held on 12.07.2024 has decided as under:

BoG 67.17 To consider and approve the part minutes of 53rd meeting of the Senate of National Institute of Technology Kurukshetra held on 10.07.2024.

“The Board considered the recommendations of the Senate taken in its 53rd meeting held on 10.07.2024. After detailed deliberations, the Board approved the proposal for the establishment of Department of Architecture & Planning in the Institute.”

This is for your reference, record and further necessary action in the matter.

Encl: Agenda Item


Registrar (I/C)


✓ Dean (Academic)

Copy to: Joint Registrar (GA & L)

ms. Madhu

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2024/277

Dated: 5.8.2024

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.16 approved the revised scheme and syllabus of Master of Computer Applications sent vide minutes of BoS meeting of your department held on 12.6.2024.

This is for kind information and further necessary action.


05.08.24
Dean (Academic)

HoD, CA

Copy to:

1. AR to Director for kind information of the Director.
2. PS to Registrar Incharge
3. PG Desk

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2024/1294

Dated: 7.8.2024

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.17 approved following minor modifications in existing scheme of B.Tech. in Elect. Engg. started w.e.f. AY 2022-23:

- 1) 4 to 8 weeks Internship/Training at Industry/NIT Kurukshetra/Other Academic Institutions/R&D Organisations after 4th semester and 6 to 8 weeks after 6th semester for B.Tech. 2022 batch & onwards instead of 2 months.
- 2) Addition of new elective Analog & Digital Communication in place of Guidance & Control at code number EEPE 318 D & its syllabus.
- 3) Minor modification in syllabus of Linear System Theory Code no. EEPC206.
- 4) Inclusion of open Elective Drone Technology (EEOE-405) in the 7th semester & its syllabus.

The Senate also approved the introduction of two contact hours Audit course 'Preparation of Major Project' in the 7th semester of B.Tech. w.e.f. AY 2024-25 in old & new scheme.


Dean (Academic)

HoD, Elect. Engg.

Copy to:

1. AR to Director for kind information of the Director.
2. PS to Registrar Incharge
3. Faculty I/C (UG)
4. Faculty I/C (Exam.)
5. Concerned UG Desk

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2024/1297

Dated: 6.8.2024

7

As per Senate decision in its 53rd meeting held on 10.7.2024 vide agenda item S 53.18, twenty-five percent tuition fee for SC/ST/PwD candidates in all M.Sc. programmes under regular seats will be waived off.

This is for kind information and further necessary action.


Dean (Academic)

Faculty I/C (Accounts)

Copy to:

1. HoDs- Physics, Chemistry & Mathematics
2. AR to Director for kind information of the Director
3. PS to Registrar Incharge
4. Concerned PG Desk

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

No. Acad./2024/1295

Dated: 6.8.2024

7

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.19 decided that the Board of Studies (BoS) of the department will decide the implementation of 8th semester internship in UG curriculum.

This is for kind information and further necessary action.


07.08.24
Dean (Academic)

All HoDs

Copy to:

1. AR to Director for kind information of the Director.
2. PS to Registrar Incharge
3. Dean (R&C)

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

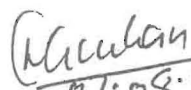
No. Acad./2024/1304

Dated: 7.8.2024

A letter no. F.No. 11021/01/2018-Sch dated 7.7.2023 has been received from Govt. of India, Ministry of Tribal Affairs (Scholarship Division) regarding amendment to para 4.1 (Part-B (Scholarship)) of the scheme "National Fellowship and Scholarship for Higher Education for ST students" (Copy of the letter attached). The letter was placed in the Senate meeting.

As per the guidelines of the letter, the Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.20 decided that tuition fee from the AY 2023-24 will be refunded to the ST students admitted under Ph.D. programmes after claiming the same from the Ministry of Tribal Affairs (Scholarship Division) accordingly.

In view of the above, you are requested to do the needful as per the guidelines of the attached letter.


07.08.24
Dean (Academic)

Faculty I/C (Accounts)

Copy to:

1. AR to Director for kind information of the Director
2. PS to Registrar Incharge
3. Concerned Ph.D Desk

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2024/1878

Dated: 5.8.2024

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.21 while considering the matter of printing of date on the Degree to be awarded, decided that the date of Senate meeting in which the lists of degrees were approved, will be published on the degree certificates to be awarded.


05.08.24
Dean (Academic)

Prof. Mayank Dave, Chief
Digital Degrees Processing Committee

Copy to:

1. AR to Director for kind information of the Director.
2. PS to Registrar Incharge

S 54.03 To consider and decide the regulations for UG programmes.

The Senate in its 53rd meeting held on 10.7.2024 vide agenda item no. S 53.06 decided that the regulations for UG programmes will be circulated among departments/schools for inputs/suggestions and will be placed in the next Senate meeting. Accordingly, the regulations for UG programmes were circulated among departments/schools. After receiving inputs/suggestions, the changes were incorporated in the regulations for UG programmes which is placed as Annexure S 54.03.

The Senate may consider and decide.

ORDINANCE AND REGULATIONS
for
Undergraduate (UG) Programmes
(B.Tech.)

2024-25



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
KURUKSHETRA-136119 (HARYANA) INDIA

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UG.1. DEFINITIONS

- (i) “NITKKR” shall mean the Institute i.e. National Institute of Technology Kurukshetra.
- (ii) “Director” shall mean the Director of NITKKR
- (iii) “Senate” shall mean the academic Senate of NITKKR
- (iv) “BoS” shall mean the Board of Studies of a Department/School of NIT Kurukshetra.
- (v) “DAC” shall mean the Departmental Affairs Committee of a Department/School of NIT Kurukshetra.
- (vi) “HoD” shall mean Head of Department in which a UG student is registered/ proposes to register.
- (vii) “Degree” shall mean the Degree of undergraduate (B.Tech.) programme of NIT Kurukshetra.
- (viii) “Educational Institute” shall mean those institutes, which run full-time Bachelor’s, or higher degree programmes.
- (ix) “ORG” shall mean a PSU / Government Department / R&D Unit.
- (x) “UG student” shall mean a person who is registered in the UG Programme in any Department/School of NITKKR.
- (xi) “Supervisor” shall mean a member of the regular academic staff of NIT Kurukshetra, appointed by the concerned Head of the Department (HoD) to supervise the Minor/Major Project work of the UG student.
- (xii) “Co-Supervisor” shall mean additional supervisor as appointed by the HoD. Co-supervisor from outside the Institute must have the academic qualifications and research credentials as prescribed for a Supervisor in the Institute.
- (xiii) “Caretaker Supervisor” shall mean a supervisor appointed to look after the work progress in Major Project in the absence of the regular supervisor when the Minor/Major Project of the UG students is ready to be submitted. The caretaker supervisor also must have the academic and research qualifications as prescribed for a supervisor.
- (xiv) “Registration Period” shall mean the length of the time span for which a person remains a UG student.
- (xv) “Minimum Registration Period” shall mean the minimum period for which a UG student must remain registered to complete the requirements for a UG degree.

UG.2. REGULATIONS

Admission to the UG Programme will be regulated by the regulations made and approved by the Senate from time to time.

UG.2.1. Provision of these regulations shall come into force with effect from the academic year 2024-2025 and shall be applicable to all the undergraduate courses (unless otherwise stated) offered by the Institute.

UG.2.2. Eligibility criteria for admission must be satisfied on the date of admission in undergraduate programs.

UG.2.3. The date of admission for the student is as per the allotment letter issued by the Institute.

UG.2.4. In no case, the period of unauthorized absence will exceed one semester. If the period of unauthorized absence exceeds one semester, the student's name will be struck off from the roll sheet of the Institute.

UG.2.5. All academic issues of the students other than those affecting the Institute rules and regulations framed from time to time may be looked into by the Dean (Academic).

UG.2.6. All problems of the students not related to academics may be looked into by the Dean (Student Welfare).

UG.2.7. At the end of each semester (i.e. after the end-semester examination), students will be supplied a Grade Card indicating the Grade (CGPA/SGPA) secured in each course and up-to-date CGPA.

UG.2.8. The maximum period in which a student must qualify for the award of the undergraduate degree will be eight years, failing which a student will not be allowed to continue his/her study for a undergraduate degree.

UG.2.9. The percentage of marks obtained by a student if so required, can be calculated as follows;

$$\text{Percentage of marks} = \text{CGPA multiplied by } 9.00.$$

UG.2.10. The student will be required to complete all the requirements for the award of the undergraduate degree within a period specified in the regulations.

UG.2.11. In case of a change in permanent address, mobile number, email, etc, the student must inform the changes to Institute's Academic Section through Departments/Schools.

UG.2.12. It is the responsibility of the student himself/herself to abide by the rules and regulations mentioned in the prospectus and any modifications made from time

to time. All the modifications will be uploaded on the Institute website in due course of time.

UG.2.13. The student has to claim for refund of the Caution Money within two years from the declaration of the final semester result i.e. date mentioned on the Detailed Marks Certificate (DMC) of the final semester else caution money shall be credited to the Student Welfare Fund.

UG.2.14. The Institute has switched over to a credit-based system of continuous evaluation with effect from the 2003-04 session.

UG.3. ADMISSION

The minimum academic qualification for admission shall be as decided by the competent authority and the distribution of seats including reservations shall be approved by the Ministry of Education (MoE), Govt. of India, from time to time.

UG.3.1. Admissions to the undergraduate programs will be made based on JEE (Mains) rank, conducted by National Testing Agency (NTA) on behalf of the Govt. of India, through Central Counselling conducted by Joint Seat Allocation Authority (JoSAA)/ Centralised Seat Allocation Board (CSAB).

UG.3.2. Admissions for the undergraduate programs also be made through the following schemes:

- (i) Direct Admission of Students Abroad (DASA)
- (ii) Ministry of External Affairs (MEA)
- (iii) Indian Council for Cultural Relations (ICCR)
- (iv) Ministry of External Affairs, Nepal Scholarship Scheme (NSS, MEA)
- (v) Ministry of External Affairs, Syrian Scholarship Scheme (SSS, MEA)
- (vi) Study in India (SII)
- (vii) Self-finance courses
- (viii) Any other scheme proposed by MoE from time to time.

UG.3.3. The undergraduate (B.Tech.) programmes are offered by the following Departments in the related areas of specializations as decided by the Institute with the approval from appropriate bodies such as the Senate/Board from time to time:

| S. No. | Name of Undergraduate Programme (B.Tech.) | Name of the Department |
|---------------|--|-------------------------------|
| 1 | Civil Engineering | Civil Engineering |

| | | |
|----|--|---|
| 2 | Computer Science & Engineering | Computer Engineering |
| 3 | Information Technology | |
| 4 | Artificial Intelligence & Machine Learning | |
| 5 | Artificial Intelligence and Data Science | |
| 6 | Electrical Engineering | Electrical Engineering |
| 7 | Sustainable Energy Technologies | |
| 8 | Electronics & Communication Engineering | Electronics & Communication Engineering |
| 9 | Industrial Internet of Things | |
| 10 | Microelectronics and VLSI Engineering | |
| 11 | Mechanical Engineering | Mechanical Engineering |
| 12 | Production & Industrial Engineering | |
| 13 | Robotics and Automation | |
| 14 | Mathematics & Computing | Mathematics |
| 15 | Bachelor of Architecture | Architecture & Planning |

UG.3.3.1. The provisions of these regulations shall also be applicable to any new discipline that may be introduced from time to time.

UG.3.3.2. Prescribed prerequisite courses relevant for all the Programmes listed in UG.3.3 are supported by the following departments.

- a) Introduction to department run by individual engineering departments.

- a) Mathematics
- b) Humanities and Social Sciences
- c) Physics
- d) Chemistry
- e) Physical Education & Sports Section

UG.3.3.3. The eligibility for admissions to the Undergraduate Programmes will be published by the centralized counselling and allotment agency or by the Institute from time to time.

UG.3.3.4. Candidates have to fulfil the medical standards required for admission as set out in the Information Brochure of the Institute or by any other body or organization entrusted by MoE/ the Institute.

UG.3.3.5. The selected candidates shall be admitted to the Undergraduate Programme after they fulfil all the admission requirements and after payment of the prescribed fees.

UG.3.3.6. In all matters related to admission to the Undergraduate Programme, the decision by the Institute or by any other body/ organization entrusted by MoE/ the Institute and its interpretation given by the Chairman of the Senate shall be final and binding.

UG.3.3.7. If, at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the Institute or any other body or organization entrusted for the admission by MoE/ the Institute, the Dean (Academic) may revoke the admission of the candidate and report the matter to the Senate.

UG.3.3.8. The fee structure shall be decided by MoE, GoI or any other body or organization entrusted by MoE, GoI or the Institute, from time to time. The same will be required to be paid by the students.

UG.3.3.9. There will be no provision for branch change at the end of first year UG.

UG.3.3.10. Every Undergraduate student of the Institute shall be associated with parent department offering the degree Programme that the student undergoes, throughout his/her study period.

UG.3.3.11. The medium of instruction, examinations and project reports shall be English.

UG.4. COURSE STRUCTURE OF UG PROGRAMME

The course structure for Undergraduate Programmes shall have the following categories of courses: -

| Sr. No. | Course Category | Explanation |
|---------|--------------------------------------|--|
| 1 | Institute Core (IC) | Basic Sciences Engineering Arts and Sciences Humanities and Social Science |
| 2 | Program Core (PC) | Courses specific to the relevant Programme/discipline |
| 3 | Program Elective (PE) | Elective Courses specific to the relevant Programme/discipline |
| 4 | Open Elective (OE) | Elective Courses from any domain/MOOCs |
| 5 | Non-Conventional Institute Core (NC) | Courses only qualifying in nature |

UG.4.1. The curriculum of any branch of Undergraduate Programme is designed to have a requirement of minimum 160 credits. A student should also satisfactorily complete the prescribed NCC/NSS Programme.

UG.4.2. The DAC (Department Advisory Committee)/DUGC (Department Undergraduate Committee) of the parent department will discuss and finalize the exact credits offered for the Programme for the components of UG.3.1, the semester-wise distribution among them, as well as the syllabi of all courses offered by the Department along with course outcomes of each course, course articulation matrix and pre-requisites, from time to time and recommend the same to the Senate through Board of Studies for consideration and approval.

UG.4.3. The Institute offers a total of fifteen distinct variations of Bachelor of Technology Programmes. They are classified as Basic Degree Programmes, namely Undergraduate, Undergraduate with Minor, and B. Arch.

The associated degree nomenclature of each of the undergraduate Programmes is given below:

Programme Type Degree nomenclature

1. Basic Degree Undergraduate (_____)
2. Basic + Minor Undergraduate (_____) with Minor in (_____)

UG.4.4. A student shall fulfil the following requirements for the award of the Undergraduate degree:

- (a) Credit Requirements: Minimum Earned Credit Requirements for the award of Degree is 160 with a CGPA of not less than 4.00.

- (b) A student shall also complete the specified mandatory non-credit courses satisfactorily.
- (c) The minimum duration for a student for complying with the Degree requirement is FOUR academic years from the date of first registration for his/her first semester.
- (d) The maximum duration for a student for complying with the Degree requirement is Eight academic years (excluding temporary discontinuation) from the date of first registration for his/her first semester.

UG.4.5. The general pattern of the credit system followed in the Institute is

- (i) one credit for each lecture session per week per semester,
- (ii) one credit for two hours laboratory practical sessions per week per semester,
- (iii) one credit for three hours laboratory practical sessions per week per semester,
- (iv) two credits for one lecture and three drawing sessions per week per semester
- (v) appropriate credits for design/ seminar/ project/ thesis/ lecture clubbed sessions per week per semester.

UG.4.6. Each B. Tech Programme offered by the Institute shall have a curriculum and syllabi of courses approved by the Senate. The syllabus of any course gets modified/ updated by the Senate from time to time on the recommendation of the respective DAC/DUGC and Board of Studies (BoS).

UG.5. MINOR DEGREE PROGRAMMES

UG.5.1. The registered B.Tech. students may apply for one of the Minor Degree Programmes offered by any other branch of the Institute from time to time along with their B.Tech. Degree Programme.

UG.5.2. Students registering for a Minor Degree Programme need to credit a set of 4 additional courses carrying total credits in the range 12-16 from a basket of courses prescribed for the Minor Programme. Additionally, such students registering for the minor Programme shall be required to credit two of their OE category courses as per the advice of the faculty coordinator for the respective Minor Programme.

UG.5.3. A student opting for a Minor Degree Programme has to register for the relevant Minor courses 1 to 4 in the semesters 4 to 7 respectively and earn the credits for the same with a stipulated CGPA of 7 for the minor degree courses to become eligible for the award of the B. Tech Degree with the Minor.

- UG.5.4.** Grades secured for courses of Minor Degree Programme except for the OE courses as mentioned in UG.5.2, shall not be counted for the CGPA of the B.Tech. Programme. Separate grade card will be issued for the courses credited as part of the minor Programme. A student who successfully completes the minor Programme shall be awarded the degree in the respective branch with a minor in the chosen specialization as a single certificate.
- UG.5.5.** Institute shall have the power to set the minimum number of students required for offering a Minor Degree Programme and shall limit the number of seats for any Minor Degree Programme. Also, the total number of seats in the Minor Degree Programmes will be a fraction of the sanctioned intake for the UG Programmes. CGPA for the first two semesters shall be the admission criteria for the minor degree programme.
- UG.5.6.** Institute cannot guarantee admission to any specific Minor Degree Programme. Also, there shall be separate fees applicable for the Minor Degree Programme, which will be decided by the Institute from time to time.

UG.6. REGISTRATION AND ENROLMENT

- UG.6.1.** Every student is required to be present and register at the commencement of each semester on the date fixed and notified by the office of Dean (Academic).
- UG.6.2.** Registration Procedure from the second semester onwards: All students have to register on the Online Portal only after the clearance of all dues of the Institute, except the students who have been debarred from registering for a specific period on any ground as per procedure adopted by the Institute.
- UG.6.3.** Late Registration: Fine will be imposed for registration as under, for the students who have registered themselves for upcoming semester after expiry date of registration period as notified by office of the Dean (Academic).

| Registration Period | Fine to be charged |
|---|---------------------------|
| Up to one week after the last date of registration | Rs. 1000/- |
| Two to Five weeks after the last date of registration | Rs. 2000/- |
| Beyond Five weeks after the last date of registration until the end of the semester | Rs. 5000/- |

- UG.6.4.** Registration of a student refers to the selection of courses planned by the student, to be credited in the next semester as per the applicable curriculum through Institute Information Management System (IIMS), during the time

frame specified for the same by the academic section. Enrolment refers to the physical reporting of the students before the Faculty Advisor (FA) on the day specified by the academic section immediately before the commencement of the semester.

- UG.6.5.** Maximum credits that can be registered by an Undergraduate student of any semester (except eighth semester) is the normal credits of the concerned semester as per the relevant curriculum. However, students who are repeating failed courses/crediting dropped courses along with regular courses shall be permitted to overload one course in addition to the normal credit of the semester. Students who are only repeating the courses/crediting the dropped courses or who are in the eighth semester, the maximum credits that can be registered is 24. Also, students who have opted for the Minor Degree Programme will be permitted to credit one course extra as part of such programme from semesters 4 to 7.
- UG.6.6.** A student with F grade can either repeat the course or appear for a Re-examination (Reappear Examination). If the particular course is not available in the revised curriculum, then the student shall register for the approved equivalent course available. A student with F grade in an elective course can either repeat the same elective course or register for a new elective course based on the advice of the FA.
- UG.6.7.** Registration for higher semester courses is permissible only after registering for all the remaining/ backlog (if any) core courses from lower semesters that are being offered at the time, subject to the maximum number of credits permitted.
- UG.6.8.** Adding/ dropping course(s) to/ from the initial registration is permitted only on valid reasons within the stipulated time as per the guidelines and procedure notified by the academic section.
- UG.6.9.** A student shall be eligible for registration and enrolment only if (i) minimum requirement to continue the programme (ii) cleared all the dues in the Institute, Hostel & Library up to the end of the previous semester and (iii) not debarred from enrolment by a disciplinary action of the Institute (iv) completed the course feedback on the courses registered in the previous semester, as notified by the academic section (v) paid all the tuition fees and all other relevant fees, if any, prescribed by the Institute.

UG.6.10. The institute reserves the right to cancel the registration of a student to a semester subsequent to the registration, if it is found that any of the conditions in UG.6.9 were violated at the time of registration, unless the initial registration was made with the explicit prior written permission from the Chairperson of the Senate.

UG.6.11. Students have to ensure that their names are included in the list of registered students with each course faculty at the beginning of the semester on the first instructional day itself. If the name is not included, students have to contact their FA.

UG.7. MINIMUM REQUIREMENTS TO CONTINUE THE UG PROGRAMME

A student admitted to B. Tech. Programme in the first semester can continue up to 8th semester, in the ascending order, subject to the successfully maintain registration to all the semesters. Further, appropriate exit policy will be applicable for the credits earned by the students based on the Institute norms.

UG.8. MAXIMUM DURATION OF THE UG PROGRAMME

The normal duration of the B.Tech. Programme is Eight semesters (Four years). However, a student may complete the programme at a slower pace by taking more time, but in any case, not more than Sixteen semesters (Eight years) including the semesters withdrawn on temporary discontinuation.

UG.9. WITHDRAWAL FROM THE PROGRAMMEME

UG.9.1. Temporary Withdrawal:

- (a) A student who has been admitted to a degree Programme of the Institute may be permitted to withdraw temporarily, for a period of one semester or more, on the grounds of prolonged illness or grave calamity in the family, etc., provided:
 - (i) He applies to the Institute stating fully the reasons for withdrawal together with supporting documents and endorsement from his parent/guardian
 - (ii) The Institute is satisfied that, without counting the period of withdrawal, the student is likely to complete his requirements of the degree within the specified time.
 - (iii) There are no outstanding dues with the Departments / Institute / Hostels / Library etc.
 - (iv) Scholarship holders are bound by the appropriate Rules applicable to them.

- (v) The decision of the Director of the Institute regarding withdrawal of a student is final and binding.
- (b) Normally, a student will be permitted only one such temporary withdrawal during his tenure as a student and this withdrawal will not be counted for computing the duration of study.

UG.9.2. Permanent Withdrawal:

Any student who withdraws admission before the closing date of admission for the Academic Session is eligible for the refund of the all the fees and deposits, after a deduction of a processing fee. Once the admission for the year is closed, the following conditions govern withdrawal of admissions:

- (a) A student who wants to leave the Institute for good, will be permitted to do so (and take Transfer Certificate from the Institute, if needed), only after clearing all the dues, if any. Also, all the fees and charges already paid will not be refunded on any account.
- (b) Those Students who have received any scholarship, stipend or other forms of assistance from the Institute shall repay all such amounts to the Institute.
- (c) The decision of the Director of the Institute regarding all aspects of withdrawal of a student shall be final and binding.

UG.9.3. In case of a change in the curriculum/syllabi, a student has to register for the approved equivalent courses (meeting the credits) as per the revised curriculum/ syllabi as per the advice of FA, whenever the student is allowed to continue the Programme after the period of discontinuation.

UG.9.4. Students proceeding for temporary withdrawal are required to maintain the Institute registration by paying the Institute registration fee applicable for keeping the registration alive till they resume normal academic activities. Once they join back after temporary withdrawal, fees applicable for regular students shall be applicable and paid.

UG.9.5. Entry and Exit Options

For the students who want to opt for multiple entry /exit option for the programme, the rules are as follows:

- (i). Throughout the 4-year degree course, a student has the opportunity to choose from 2 different leaving options.

The following certificates will be awarded:

| Minimum Requirement | Award |
|--|--------------------------------------|
| Successfully earned 50% Credits of Total Credits (50% of 160 = 80 Credits) with minimum 40 Credits from Programme core + Industrial Training | UG Certificate in Engineering stream |
| Successfully earned 75% Credits of Total Credits (75% of 160 = 120 Credits) with minimum 80 Credits from Programme core/Programme elective + Industrial Training | UG Diploma in Engineering stream |

- (ii). Throughout the duration of the 4-year degree course, a student has the freedom to exit from the study at any point for any reason. For taking an exit, the student needs to apply to Dean(Academic) for the same through concerned Head of the department, and after sanction of the application only, the student can leave. His/her credits will remain preserved.
- (iii). If a student enrolls at the institution but exits before completing the course or at a certain point, they have the opportunity to re-enrol within three years of their exit and complete their Undergraduate degree within a maximum of eight years. Meanwhile, if the teaching scheme is changed, the student will be required to meet the updated requirements of the course when they re-enter. The credits obtained previously in various categories (such as Programme core, electives, etc.) will be retained.

UG.10. DISCIPLINE

- UG.10.1.** Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activities which shall tend to bring down the prestige of the Institute.
- UG.10.2.** Ragging of any nature is a criminal and non-bailable offence. Involvement in ragging shall lead to stringent punishment, including imprisonment as per the law of the land. A student, whose involvement in ragging is established, shall be summarily dismissed from the Institute. In all cases of harassment, if any, of the junior students by the seniors, the Institute level Anti-Ragging Committee will take appropriate decisions for immediate implementation by the Institute. Each student of the Institute, along with the parent, is required

to give an undertaking in this regard and the same is to be submitted at the time of registration.

UG.10.3. Any Public Display of Affection and engaging in private activities in academic areas, rest rooms, and poorly lit areas as well as anywhere on and around the NIT Kurukshetra campus, can make others feel uncomfortable and distract from the educational environment. Institute strongly discourages such type of activities. This will also be considered as a matter of indiscipline.

UG.10.4. Any act of indiscipline or misbehavior of a student reported to the Dean (Students Welfare) will be referred to the appropriate disciplinary committee for further action.

UG.10.5. The student who receives punishment, may appeal to the Chairman, Senate, whose decision shall be final & binding in all respects.

UG.11. ACADEMIC MENTOR/ FACULTY ADVISOR

To help the students in planning their courses of study and to render general advice regarding the academic programme, the Head of the Department concerned, will assign every batch of students, a faculty member who will be called as Academic Mentor/ Faculty Advisor. The set of students thus assigned will continue to be under the guidance of the Mentor till they complete the programme until otherwise the mentor is changed.

UG.12. DEPARTMENT UNDERGRADUATE COMMITTEE

UG.12.1. The Departmental Undergraduate Committee (DUGC) shall be constituted by the Head of Department, as given below:

1. Head of the Department as ex-officio Chairperson
2. Convener
3. Faculty of the course coordinators and the mentors/supervisors/Faculty Advisors
4. The Convener, DUGC, and other members of the DUGC shall be proposed by the Head of the Department along with the recommendation of the Departmental advisory committee for a term of two years starting from the month of July of the Academic Session.

UG.12.2. Responsibilities of the DUGC: The committee shall review, discuss and recommend all matters relating to the B.Tech./B.Arch. programmes, including but not limited to:

- (i) The Curriculum and Syllabus revision required for the programme including new elective courses for the existing programmes. If there are separate departmental committees for curriculum revision, the members of DUGC shall be automatically part of such committees.
- (ii) attending to the problems of UG students and advising them in academic matters.
- (iii) coordinating grade submission to the office of Dean (Academic).
- (iv) obtaining feedback of the performance appraisal of the Course Instructors from the students in the prescribed format.
- (v) advising the students with regard to opting online courses or courses offered by other Institutions.
- (vi) Providing guidance to students in choosing minor and elective courses, and facilitating the allocation of these courses in consent with the Dean (Academic) office. The relevant departments will develop associated modalities according to the needs.
- (vii) Process the application for condonation of attendance shortage and provide recommendation to HoD.
- (vi) With HoD as Chairperson, DUGC shall conduct inquiry on examination malpractice cases reported from undergraduate examinations and make recommendations to the Dean(Academic) regarding penalties to be imposed. Additional members for this purpose may be appointed by the HoD, if required. Such an inquiry committee will have an external member nominated by the Dean(Academic).
- (vii) DUGC will be vigilant for the specific issues of concern, arising due to the effect of periodic revision of curriculum and academic regulations.
- (viii) DUGC will report the Dean (Academic) about the matters related to implementation of new academic policies, evaluation of credits earned from other Institutions as part of exchange Programmes, Academic Bank of Credits (ABC) and similar initiatives.
- (ix) Any other activities/tasks assigned by the Chairperson from time to time.

UG.13. STUDENT COUNCIL COMMITTEE

To make the students participate in the student related activities of the Institute and develop their career, personality and organizational skills through interactive Programmes with the faculty, administration and society.

The Director of the institute will be the Patron of the Student's Council. Dean (Student's Welfare) will act as the Chairman of the Students' Council and its Core committee with Associate Dean(s) (Students' Welfare) as Faculty advisor(s).

The Students' Council will further consist of:

- (i) One student from 1st year of each undergraduate programme
- (ii) One student from 2nd year of each undergraduate programme
- (iii) One student from 3rd year of each undergraduate programme
- (iv) One student from 4th year of each undergraduate programme
- (v) One student from 5th year of B.Arch. and each integrated programme
- (vi) One M.Tech. student from each Engineering Department.
- (vii) One MBA and one MCA student.
- (viii) Five PhD. students.
- (ix) Five students nominated by the Director who represent various sections of the student community such as foreign students, girl students, Technical societies, Sports, cultural, NSS, NCC, etc.
- (x) One Professor nominated by the Director as a faculty representative in the Students' Council.

UG.14. ATTENDANCE AND LEAVE

UG.14.1. Attendance requirement for being eligible to appear in the end-semester examinations

Minimum requirement of attendance for being eligible to appear in the end semester examinations shall be 75%. However, this may be relaxed upto a maximum of 10%, i.e. upto 65% by the Director. An extra relaxation of upto 5%, over and above the already existing relaxation of a maximum of 10%, may be granted by the Director under special circumstances, on the specific recommendations of concerned HoD/School Coordinator, to meet the minimum attendance requirement of 75%. In cases of medical exigency, minimum attendance requirement can be relaxed by the Director to 50% on recommendations of HoD and Dean (Acad.). The application for attendance benefit on medical ground should be endorsed by CMO of concerned District/SMO of the Institute Health Centre. Those having attendance below 65% are not allowed to appear for the end-semester examination of

that/those course (s) and shall be notified as 'Detained'. All such students, depending upon their attendance shall be further categorized into two categories A & B, as follows:

Category A: (Attendance between 50 % to 64.99 %) A student has two options

Option 1: To repeat the course through classroom/lab studies and obtain whatever grade he/she can obtain.

Option 2: Student is permitted to attend classes of the next semester and can appear for the mid-semester examinations of course(s) when the opportunity is available. However, such a student is restricted to a grade of 'D' only.

Category B: (Attendance below 50%) Such students have to mandatorily repeat that/those course (s).

The detention list will be prepared on the basis of average attendance in all subjects and notified at the department level. Further, the final list will be sent to the Academic Section at the end of the exams. in the respective semester.

UG.14.2. If a student could not attend any of the classes due to medical issues or any other compelling reasons, leave application as detailed below needs to be submitted to the course faculty.

- (i) Application for any leave shall be submitted within five instructional days after returning from leave or, on or before the last instructional day of the semester, whichever is earlier.
- (ii) Application for leave on medical grounds must be supported with necessary treatment records for the period of leave applied for. It is expected that the student shall inform the course faculty before proceeding on medical leave under normal circumstances.

UG.15. ASSESSMENT PROCEDURE

UG.15.1. The Senate shall decide the assessment procedure from time to time. It shall be based on the system of tests, assignments, tutorials, presentations, quizzes, course projects, reports, etc. and the end semester examinations in each course in each semester.

UG.15.2. Minimum two mid-semester test each with a minimum duration of 50 minutes are mandatory for lecture based courses and for the courses where lectures are clubbed either with practical, drawing, projects, etc. The number

of assignments, tutorials, presentations, quizzes, course projects, reports, etc. shall be decided by the course faculty.

UG.15.3. One end-semester examination with a minimum of three hours duration for each lecture based course and for each course where lectures are clubbed either with practical or drawing or projects etc. End semester examination is not mandatory for laboratory/practical/drawing courses.

UG.15.4. The marks for the teaching assessment shall be finalized by the course faculty.

UG.15.5. The method of assessment for laboratory/practical/drawing courses, shall be based on tests and the performance of students in the regular laboratory/practical/drawing classes which will be finalized by the course coordinator. The end semester examination is for a laboratory/practical/drawing course, shall be conducted before the last instructional day and the weightage for it should not exceed 40%.

UG.15.6. The evaluation policy of courses, offered as part of Activity Credits (AC) shall be finalized by the instructor as per the guidelines issued by the Dean (Academic) from time to time.

UG.15.7. The Course Coordinator, nominated by the Department Head, will typically coordinate with the associated Faculty Member(s), if necessary, to decide the content of the paper for each Theory Course.

UG.16. EXAMINATION AND EVALUATION SYSTEM

Examination in each semester will be held according to the syllabus prescribed by the Senate. Each course will carry credits as per the scheme of courses. A student must study all the courses given in the scheme approved by the Senate. The examination will be held at the end of the semester on such dates as may be fixed by the Examination Branch/Department. In order to appear in the end-semester examination, a student must have registered for the concerned paper(s) and must have attended not less than 75% of total classes in lectures (including tutorials) and Practicals.

UG.16.1. Evaluation process for courses (for 2021 batch)

Evaluation process for theory courses

| S. No. | Theory Papers | Weightage | Assessment |
|---------------|-----------------------|------------------|-------------------------------------|
| 1 | Mid Semester-I Exams | 15 | Internal Assessment out of 50 Marks |
| 2 | Mid Semester-II Exams | 15 | |

| | | | |
|---|----------------------|------------|-------------------------------------|
| 3 | Attendance | 10 | |
| 4 | Teacher's Assessment | 10 | |
| 5 | End Semester | 50 | External Assessment out of 50 Marks |
| | Total | 100 | |

Evaluation process for Lab courses

| S. No. | Practical | Weightage | Assessment |
|--------|-----------------------------|------------|-------------------------------------|
| 1 | Viva-voce-I & II | 15+15=30 | Internal Assessment out of 60 Marks |
| 2 | Practical File & Class Work | 20 | |
| 3 | Attendance | 10 | |
| 4 | End Semester | 40 | External Assessment out of 40 Marks |
| | Total | 100 | |

Evaluation process for Integrated (Theory + Lab) courses

| S. No. | Total Credits of the Course | Theory Credit | Practical Credit | Theory Multiply Factor | Practical Multiply Factor |
|--------|-----------------------------|---------------|------------------|------------------------|---------------------------|
| 1 | 4 | 3 | 1 | $3/4 = 0.75$ | $1/4 = 0.25$ |
| 2 | 4 | 2 | 2 | $2/4 = 0.50$ | $2/4 = 0.50$ |
| 3 | 4 | 1 | 3 | $1/4 = 0.25$ | $3/4 = 0.75$ |
| 4 | 3 | 2 | 1 | $2/3 = 0.66$ | $1/3 = 0.33$ |
| 5 | 3 | 1 | 2 | $1/3 = 0.33$ | $2/3 = 0.66$ |
| 6 | 2 | 1 | 1 | $1/2 = 0.50$ | $1/2 = 0.50$ |
| | x | p | q | p/x | q/x |

UG.16.2. Evaluation process for courses (for 2022 batch onwards)

- **Evaluation process for theory courses**

| S. No. | Theory Papers | Weightage | Assessment |
|--------|---------------|-----------|------------|
|--------|---------------|-----------|------------|

| | | | |
|---|-----------------------|------------|-------------------------------------|
| 1 | Mid Semester-I Exams | 20 | Internal Assessment out of 50 Marks |
| 2 | Mid Semester-II Exams | 20 | |
| 3 | Teacher's Assessment | 10 | |
| 4 | End Semester | 50 | External Assessment out of 50 Marks |
| | Total | 100 | |

- Evaluation process for Lab courses**

| S. No. | Practical | Weightage | Assessment |
|--------|-----------------------------|------------|-------------------------------------|
| 1 | Viva-voce-I & II | 20+20=40 | Internal Assessment out of 60 Marks |
| 2 | Practical File & Class Work | 20 | |
| 3 | End Semester | 40 | External Assessment out of 40 Marks |
| | Total | 100 | |

- Evaluation process for Integrated (Theory + Lab) courses**

| S. No. | Total Credits of the Course | Theory Credit | Practical Credit | Theory Multiply Factor | Practical Multiply Factor |
|--------|-----------------------------|---------------|------------------|------------------------|---------------------------|
| 1 | 4 | 3 | 1 | $3/4 = 0.75$ | $1/4 = 0.25$ |
| 2 | 4 | 2 | 2 | $2/4 = 0.50$ | $2/4 = 0.50$ |
| 3 | 4 | 1 | 3 | $1/4 = 0.25$ | $3/4 = 0.75$ |
| 4 | 3 | 2 | 1 | $2/3 = 0.66$ | $1/3 = 0.33$ |
| 5 | 3 | 1 | 2 | $1/3 = 0.33$ | $2/3 = 0.66$ |
| 6 | 2 | 1 | 1 | $1/2 = 0.50$ | $1/2 = 0.50$ |
| | x | p | q | p/x | q/x |

UG.17. MAKE-UP EXAMINATION

UG.17.1. Students who miss the mid semester examinations due to ill-health requiring hospitalization /physical indisposition with inability to move or any other compelling reason judged to be valid by the FA/HoD, are eligible for make-up

examinations. Requirement of hospitalized treatment is not applicable in the case of contagious disease like chicken pox.

- UG.17.2.** Make-up examination for the mid-semester component shall be conducted based on the mutual convenience between the students and course faculty during the semester.
- UG.17.3.** Those who miss mid semester examination in a course shall apply to the HoD concerned through FA within five instructional/ working days after the missed mid semester examination or before the prescribed date indicated in the academic calendar whichever is earlier, giving the reasons/proofs for the absence. Applications received after this period will not be entertained.
- UG.17.4.** Students applying for make-up examination due to medical reasons must produce a medical certificate (as the proof for absence) from a Registered Medical Practitioner certifying that the student was admitted to hospital during the period of examination or the student was not in a condition to write the examination. The same medical certificate should be endorsed by the Health Center of the Institute.
- UG.17.5.** All applications for make-up examinations when approved by the HoD, will be forwarded to the concerned course faculty for necessary action. The list of students permitted to appear for the make-up examinations for the mid semester examinations shall be published by the department/school.

UG.18. INTERNSHIP/ PROJECT

The curricula of all B.Tech. Programmes shall provide opportunity to do projects/internship with explicit credits awarded to each of them. The Internship/ Project work is mandatory for all the B.Tech. students.

- UG.18.1.** One or more Summer internships with a total duration 6-10 weeks after 6th semester is mandatory for all the B.Tech. students. It is to be preferably done in an Industry/ R&D organization / Govt. Departments / Start-up companies / reputed academic and other institutions in India or abroad.
- UG.18.2.** Students who are not getting the opportunity to do summer internship outside the Institute can do the same in the Institute by associating with the R&D or other suitable projects of faculty members.
- UG.18.3.** The evaluation of this internship will be done during 7th semester by one or more committees duly constituted by the HoD and a letter grade shall be awarded along with grading for other courses enrolled in the 7th semester. All students

required to submit a report on the internship to the respective departments/schools.

- UG.18.4.** Department/school will have the freedom to prescribe Project work in the 7th and 8th semester as mandatory or optional. If it is prescribed as optional in the curriculum, students will be able to replace it with Programme Elective courses of equivalent credits. If the academic requirements as per curriculum permits, a student will be able to replace project work in the 7th semester with internship. This shall be permitted by the FA and HoD of the student concerned.
- UG.18.5.** Enough flexibility shall be provided to students to choose topics projects from 6th semester to 8th semester as independent or connected works, individual or groups and form project groups across the departments/schools.
- UG.18.6.** Students of UG programmes will be allowed for internship in 8th semester where internship + full time employment (FTE) offered by particular organizations/industries through the drives conducted by Training and Placement Cell of the Institute. If in 8th semester, there are courses to be completed, they can be done through MOOCs platform and the successful credits earned through MOOCs shall be counted by the Institute for overall credit calculation. Other students will do the course work.
- UG.18.7.** The project work/Internship will be assessed by a panel of examiners (within the Department or within the Institute) decided by the HoD. In the case of multidisciplinary projects involving students from different departments/schools, the guidelines issued by the Senate shall be followed for the constitution of the evaluation committee.
- UG.18.8.** On completion of the project, students shall submit a report in the prescribed format to the department/school. Number of copies and the format will be as per the department guidelines. Soft copy of the report shall be submitted to the Institute Digital Library.
- UG.18.9.** Students are expected to make serious efforts to do the project in each of the phases so as to attain tangible outcomes such as publications, patents and copyrights from each of them or jointly.

UG.19. RESULTS

- UG.19.1.** Evaluation and Grading System: The student will be awarded Letter Grade which indicates the level of performance in a course and has a Grade Point for

the purpose of computing the Cumulative Grade Point Average (CGPA) as per the tables given below:

All Courses (except Non-Conventional Institute Core Courses)

| Marks obtained & Grade | Performance | Grade Point |
|------------------------|-------------|-------------|
| $85 \leq A+ \leq 100$ | Excellent | 10 |
| $75 \leq A < 85$ | Very Good | 09 |
| $65 \leq B < 75$ | Good | 08 |
| $50 \leq C < 65$ | Average | 06 |
| $40 \leq D < 50$ | Pass | 04 |
| $0 \leq F < 40$ | Re-appear | 00 |

Non-Conventional Institute Core Courses

| Marks obtained & Grade | Performance | Grade Point |
|------------------------|--------------|-------------|
| $40 \leq A+ \leq 100$ | Satisfactory | 10 |
| $0 \leq F < 40$ | Re-appear | 00 |

A student who earns an F Grade in a course shall have to re-appear in that course in the subsequent examination (s). The CGPA is the weighted average of all the grades and computed as follows:

$$CGPA = \frac{\sum C_i G_i}{\sum C_i}$$

The C_i denotes credits assigned to i^{th} course and G_i indicates the Grade Point equivalent to the Letter Grade obtained by the student in the i^{th} course.

Note: The Percentage of marks obtained by a student be calculated as = CGPA multiplied by 9.00.

UG.19.2. After completing the internal evaluations and end-semester examination evaluation the Course Faculty/ Course coordinator will submit the internal and external marks on the online portal supported by the Institute. The copy of the final results/ consolidated grade sheet signed by the Course Faculty/ Course coordinator and by the HoD should be forwarded to the Dean (Academic) for the deceleration of the results. One set of hard copies of consolidated results shall be kept at the department/school for reference and records.

UG.19.3. Semester results will be published on the date fixed for the declaration of results as per the academic calendar of the Institute.

UG.19.4. Once Grades are submitted, any correction thereafter will only be made with the approval of the Director on the recommendation of the Dean Academic.

UG.19.5. Grading Online Courses

The grades equivalence of the marks obtained (as stated in the marks sheet of the student) by a student in a course work through online courses / MOOCs / courses offered by other Institutions under MoU shall be adopted as given below.

| Equivalent Grade | % Marks obtained (as per the marks sheet of the student) by a student in a course work, through MOOCs | Performance | Grade Point |
|-------------------------|--|--------------------|--------------------|
| A+ | ≥85 | Excellent | 10 |
| A | 84 - 75 | Very Good | 09 |
| B | 74 - 65 | Good | 08 |
| C | 64 - 50 | Average | 06 |
| D | 50 - 40 | Pass | 04 |
| F | < 40 | Re-appear | 00 |

On recommendation of DUGC shall decide on other matter pertaining to credits, duration, normalization of marks etc. of the online course.

UG.20. RE-APPEAR EXAMINATION

UG.20.1. A student who earns F grade for a theory course in odd/ even Semester can appear for a Re-appear examination which will be conducted immediately after the declaration of the results of the semester or repeat the course when it is offered next time. Re-appear examination shall be conducted covering the entire syllabus of the course as decided by the concerned department. Dean (Academic) shall issue notices regarding the mode of application for the same, prescribed examination fee per course, mode of fee payment, etc.

UG.20.2. In case, a student gets F grade again in the Re-appear examination, can appear again for the Re-appear examination of the same subject code whenever conducted during the semester.

UG.21. RE-EVALUATION

- UG.23.1.** The students may be allowed to apply for re-evaluation of answer books of end semester examinations within 20 days of the declaration of the results by the examination cell in the concerned department.
- UG.23.2.** A nominal fee of Rs. 1000/- per subject may be charged for the purpose of re-evaluation. The student will pay the necessary fee in Institute account and submit the request for re-evaluation in the concerned department.
- UG.23.3.** The HoD will constitute a committee of two subject experts for the re-evaluation of answer books.
- UG.23.4.** In case of change of status after revaluation (fail to pass or change of grade), the revised result will be sent to the office of Dean (Acad.) by the concerned department. for the approval of the Competent Authority. In case, after re-evaluation the status changes from pass to fail, the student will be considered pass with the lowest passing grade.
- UG.23.5.** The revised results must reach the office of Dean (Acad.) within a fortnight of declaration of the result.

UG.22. TRANSFER OF CREDITS

The courses credited elsewhere, in Indian or foreign University/Institutions/ Colleges by students during their study period at Institute may count towards the credit requirements for the award of degree. The credits transferred will reduce the number of courses to be registered by the student at Institute. The guidelines for such transfer of credits are as follows:

- a) UG students with consistent academic performance and CGPA ≥ 7.5 can credit courses approved by the concerned DUGC of the Programme, in other Institutions during 3rd and 4th year and during summer breaks.
- b) Credits transferred will not be used for SGPA/CGPA computations. However, credits transferred will be considered for overall credits requirements of the Programme.
- c) Students can earn external credits only from IISC/IITs/NITs/IIMs and other Indian or foreign Universities/Institutes /Colleges with which NIT Kurukshetra has an MOU (and that MOU must have a specific clause for provision of credit transfer by students)
- d) Credits transfer can be considered only for the course at same level, i.e UG, PG etc.
- e) A student must provide all details (original or attested authentic copies) such as course contents, number of contact hours, course instructor /project guide and evaluation system for the course for which he is requesting a credits transfer. He shall also provide the approval or acceptance letter from the other side. These details will be

evaluated by the concerned departmental academic bodies (DUGC) before giving approval. These academic bodies will then decide the number of equivalent credits the student will get for such course(s) in NIT Kurukshetra. The complete details will then be forwarded to Dean (Academics) for approval.

- f) The maximum number of credits that can be transferred by a student shall be limited to 20.
- g) A student has to get minimum passing grades/ marks for such courses for which the credits transfer is to be made.
- h) Credits transfers availed by a student shall be properly recorded on academic record(s) of the student.

UG.23. ELIGIBILITY FOR THE AWARD OF UG DEGREE

UG.23.1. A student becomes eligible for the award of the B. Tech. Degree when

- (i) credited all the core courses in the relevant B.Tech. curriculum within the stipulated time,
- (ii) acquired the category-wise minimum credits and activity points in the relevant B.Tech. curriculum,
- (iii) no dues to any departments/ sections of the Institute including hostels, and
- (iv) no disciplinary action is pending.

UG.23.2. The award of the degree shall be recommended by the Senate and approved by the Board of Governors of the Institute.

UG.24. UNFAIR MEANS CASES (UMCs)

INSTRUCTIONS AND PENALTY FOR USE OF UNFAIR MEANS

1. The students are advised to carefully go through the salient instructions for the conduct by a student in the Examination which are printed on the cover page of the answer book.
2. Before the start of Examination each day, the Invigilator(s) shall call upon all the candidates to deliver to him/her all papers, books, notes or any other material / mobile, Bluetooth, smartwatch etc. which they may have in their possession. The candidates shall also be warned that if any of them fails to do so or adopts any other Unfair Means, he/she shall be liable to penalty.

3. What constitutes an UMC Case

A student necessarily need not be actively involved in cheating to be viewed as a case of UMC. Willful or even unintentional mistake of noncompliance of instructions/guidelines

for the examination may also be charged as UMC. The acid test for the same is possession of material or indulgence in an act which may provide unlawful gains.

4. **Actions by the Invigilator on Detecting Unfair Means Case**

The invigilator will report the matter to the Centre Superintendent. The Invigilator/Center Superintendent will proceed as per the guidelines given below:

- (a) As soon as a student is suspected by the invigilator or any other authorized person of having resorted to unfair means he/she shall immediately take possession of the answer book along with the relevant material found with the student. The papers, notes, books, electronic devices etc. found in possession of the student shall be duly signed by the student and the invigilator, sealed and attached with the seized answer-book in presence of the student. In case the student is found to have written something on the body part, a photo of same may be taken on the web cam available etc., if possible. In case student indulges in UMC other than possession of unauthorized material like talking to fellow student, attempting to copy from fellow student, allowing fellow student to copy, discussing answer with fellow student outside the hall etc., the nature of offence must be duly recorded by the invigilator.
- (b) **The Invigilator/Center superintendent will** get the prescribed form (attached) for unfair means filled and signed by the student and give his / her comments on the same, in prescribed place.
- (c) After completing all the above formalities, a fresh answer-book shall be given (wherever applicable) to the student for completing the Examination.
- (d) If the student does not hand over the relevant material and / or refuses to fill up and sign the prescribed form, the same shall be recorded on the prescribed form. In this case, co-Invigilator (if any) may sign as a witness to the event.
- (e) No extra time will be given for completing the Examination as a result of this procedure.
- (f) After Examination is over, these answer books duly marked as Copy-I (confiscated copy) and Copy-II (freshly issued copy) along with the material found in possession and the prescribed form duly filled and signed by the Invigilator and counter-signed by the Centre Superintendent shall be delivered separately to the Faculty Incharge (Examination).

5. **Categories of Offences and Punishments**

Following actions may be taken for different categories of offences listed below:

| Category of Offence | Nature of Offence | Action to be taken |
|---------------------|---|---|
| 1 | Talking to another candidate or to any person other than the members of the supervising staff in or outside the Examination Hall during the Examination hours. | The answers to the running question will be crossed / cancelled on the spot by the invigilator on duty with red pen by putting his / her signature, name & Department. The matter shall be reported to the Centre Superintendent. |
| 2 | <p>If during the Examination (Theory/Practical) a student</p> <p>a) Refuses to Obey the orders of the Invigilator / Centre Superintendent or argues unnecessarily.</p> <p>b) Changes the seat without permission of the Centre Superintendent / Invigilator or occupies the seat not allotted to him / her.</p> <p>c) Writes solutions either on the question paper or anywhere else except the Answer Book.</p> <p>d) Repeats offence of Category 1.</p> | The first answer book to be withdrawn and cancelled. The student shall be provided with a second answer book which will only be evaluated. |
| 3 | a) Being in possession in the Examination Hall, of papers, books, notes or writing on any part of the candidate's clothes or any writing on his/ her body or table or desk or instruments like programmable calculators, electronic gadgets, mobiles, Bluetooth, iPod etc. or any other material intended to be of possible help to the candidate in the | The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled. |

| | | |
|----|--|---|
| | <p>examination. But, it is established that he/she has not used the material or the material is irrelevant.</p> <p>b) In case of Practical examinations presenting to the examiner a practical or class work note book not prepared by himself / herself.</p> <p>c) Making an appeal to the examiner in the answer book.</p> | |
| 4. | <p>a) During the Theory / Practical Examination a student is found to be copying from any means. enlisted in Category 3(a).</p> <p>b) Receiving help or attempting to receive help for answering the question paper from any source in any manner, inside or outside the Examination Hall.</p> <p>c) Attempting to copy from another candidate or assisting another candidate to copy from the objectionable material in his/her possession or from his/her answer book.</p> | <p>The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled.</p> <p>Disqualification for at least one semester (forthcoming) in the concerned paper.</p> |
| 5. | <p>a) Leaving the examination hall without delivering to the invigilator concerned the answer book or may part thereof or taking away the same or tearing it or otherwise disposing it of or tearing the answer-book of other candidate.</p> <p>b) Swallowing or attempting to swallow a note or paper or running away with it or causing its disappearance or destroying it in any manner.</p> <p>c) Smuggling an answer book of a continuation sheet or any part thereof in or outside the place of examination.</p> | <p>The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled.</p> <p>Disqualification for at least two semesters (forthcoming) in the concerned paper.</p> |

| | | |
|----|--|---|
| | <p>d) Knowingly writing another student's Roll Number on one's answer book.</p> <p>e) Coming to the examination hall under the influence of alcoholic drink or drugs.</p> <p>f) Communicating or attempting to communicate, directly or through person, with an examiner with the object of influencing him / her in the award of marks.</p> | |
| 6. | <p>a) Misbehaving with the Centre Superintendent/invigilator or any other member of the Supervisory staff or any member of the inspection team or the flying squad, before, during or after the examination or creating disturbance in the examination hall or in its vicinity or organizing a walk out; or instigating others to walk out; or mis-conducting oneself in any manner in or outside the examination hall or disturbing or disrupting the examination in any manner whatsoever; or carrying into the examination hall fire-arms or any other weapon.</p> <p>b) Using abusive or obscene language in the answer book.</p> <p>c) Repeating of offences of Category 5.</p> | All the ongoing Theory / Practical Examinations for the Semester to be cancelled. Disqualification for at least 2 semesters (forthcoming) for all Theory & Practical Examinations |
| 7. | Getting oneself impersonated by any student of the Institute or someone in the examination or impersonating another candidate. | All the Theory / Practical Examinations for the ongoing Semester for both the candidates to be cancelled. Disqualification for at least four semesters (forthcoming) |

| | | |
|--|---|---|
| | | for all Theory & Practical Examinations. FIR to be lodged against the concerned students. |
| 8. | Anything not covered in the above guidelines. | To be decided by the Director upon the recommendations of the U.M.C. Committee. |
| Note: The Unfair Means Committee may reduce/increase the mentioned punishment depending upon the severity of the offence after thoroughly examining the case. | | |

6. The candidate can appeal against the decision of the Unfair Means Committee to the Director of the Institute within 15 days of the receipt of the copy of the decision, whose decision will be final.
7. The above UMC Rules will be applicable to all the Theory / Practical Examinations (Mid-Semester, End-Semester & Reappear).
8. **Convening of Committee on Unfair Means**

A Committee (Standing Committee) appointed by the Director shall enquire into cases of unfair means in Examination. Composition of the committee shall be:

- | | |
|--|----------|
| 1. Dean (SW) | Chairman |
| 2. Professor nominated by Director | Member |
| 3. Faculty Incharge (Examination) | Member |
| 4. Subject expert of the Concerned Department to be nominated by HOD | Member |
| 5. Concerned Center Superintendent | Member |
| 6. Concerned Invigilator | Member |

The committee shall thoroughly examine the UMC cases on the basis of the material/documents placed and give hearing to the student and the concerned invigilator. It shall submit its recommendations after laying down clearly the nature of the offence to the Dean (Academic) for consideration and further necessary action.

UG.25. AMENDMENT/RELAXATION

The procedures and requirements set out in the ordinances and regulations may be amended/relaxed in special circumstances by the Chairperson, Senate on the recommendation of a Committee framed time to time. All such exceptions are, however, reported to the Senate.

Annexure – I

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
FEED BACK FORM FOR THEORY COURSES

(To be filled by students registered in the course)

The objective of this form is to obtain feedback from the students so that the course can be improved further.

Course Code:

Semester:

Course Title:

Session & Year:

Course Instructor's Name:

Department:

Type of Course: Institute Core /Non-Conventional Institute Core/Programme Core/Programme Elective/Open Elective

(Mark '√' in the appropriate box)

| | | | | | | |
|---|---|----------|----------|----------|----------|----------|
| RATINGS : 5 - Strongly agree 4 - Agree 3 - Neither agree nor disagree 2 - Disagree 1- Strongly disagree | | | | | | |
| COURSE | | 5 | 4 | 3 | 2 | 1 |
| 1. | The course plan provided sufficient information on the objectives and contents | | | | | |
| 2. | The distribution of marks (for tests, assignments, tutorials and exams) was clearly stated in the course plan | | | | | |
| 3. | I found the course materials (class notes, handouts, prescribed text books) useful | | | | | |
| 4. | The assignments, tutorials, quizzes etc. helped me to understand the course | | | | | |
| 5. | The tests and examinations covered to a large extent what was taught in the class | | | | | |
| 6. | I was satisfied with the course coverage | | | | | |
| 7. | The evaluation was fair and transparent | | | | | |
| 8. | The course helped me to acquire knowledge and skills | | | | | |
| 9. | This course motivated me to learn more | | | | | |

| | | | | | | |
|------------|---|--|--|--|--|--|
| 10. | Overall, the course was satisfactory | | | | | |
| INSTRUCTOR | | | | | | |
| 1. | The instructor was generally well prepared for the classes | | | | | |
| 2. | The instructor presented the contents effectively | | | | | |
| 3. | The instructor generated interest in the subject | | | | | |
| 4. | The instructor delivered the lectures at an appropriate pace | | | | | |
| 5. | The instructor made use of appropriate teaching aids and methods | | | | | |
| 6. | The instructor encouraged students participation and interaction in the class | | | | | |
| 7. | The instructor provided timely and effective feedback regarding the assignments/tests/exams | | | | | |
| 8. | The instructor was available outside class hours for consultation | | | | | |
| 9. | The instructor was regular to the class | | | | | |
| 10. | Overall, the instructor was effective in his/her role as a teacher | | | | | |

SUGGESTIONS / COMMENTS: Please turn over

Note: This course feedback form is to be collected by any faculty member other than the course instructor and to be handed over to the concerned course instructor.

General Comments:

The work load in this course in comparison to other courses of this Semester was:

very little / just right/ too heavy

In relation to the general level of understanding of the class, the level of lectures was:

too low / just right / too high

Were the lectures held regularly and on time?

If the course had a self-study component (such as assignment, seminars, small projects and literature survey) comment on how it helped /inspired you to learn/probe further.

What did you like / dislike most about this course?

Would you rate this course as one of the five best courses you have had so far? **Yes / No**

Please write below your suggestions/comments if any to improve the teaching-learning process:

Annexure – II

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
FEED BACK FORM FOR PRACTICAL COURSES

(To be filled by students registered in the course)

The objective of this form is to obtain feedback from the students so that the practical sessions can be improved further.

Course Code:

Semester:

Course Title:

Session & Year:

Course Instructor's Name:

Department:

Type of Course: Institute Core /Non-Conventional Institute Core/Programme Core/Programme Elective/Open Elective

(Mark '√' in the appropriate box)

| | | | | | | |
|---|---|----------|----------|----------|----------|----------|
| RATINGS : 5 - Strongly agree 4 - Agree 3 - Neither agree nor disagree 2 - Disagree 1- Strongly disagree | | | | | | |
| LAB/PRACTICAL SESSIONS | | 5 | 4 | 3 | 2 | 1 |
| 1. | The practical sessions/Experiments provided me an opportunity to understand the subject | | | | | |
| 2. | Handouts/laboratory manuals were available in advance | | | | | |
| 3. | Clear instructions to carryout the practical/Experiments were given in advance | | | | | |
| 4. | I was thoroughly prepared for all the practical/lab sessions | | | | | |
| 5. | The assistance given during the practical sessions was useful | | | | | |
| 6. | I was regular in submitting all my lab/practical reports | | | | | |
| 7. | The instructor's feedback on my report was prompt | | | | | |
| 8. | The instructor's feedback on my report was useful | | | | | |
| 9. | The evaluation was fair and transparent | | | | | |
| 10. | Overall, the lab/practical course was satisfactory | | | | | |

SUGGESTIONS / COMMENTS: Please write below your suggestions/comments if any to improve the conduct of this lab/practical course

Note: This course feedback form to be collected by any faculty member other than the course instructor and to be handed over to the concerned course instructor.

Annexure – III

**NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
FORM FOR ADMISSION WITHDRAWAL FROM PROGRAMME**

Name of the student :

Roll No/Registration No. :

Branch :

Session and Semester :

Year of Joining :

Email ID (in block CAPS):

Reasons for withdrawal :

Any Supporting Documents:

Signature of the Student (with Date)

Remarks of Convener, DUGC :

Recommendation of the HOD :

Recommendation of the Dean(Academics) :

Approval of the Chairperson, Senate :

Annexure – IV**NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA****FORM FOR MAKE-UP EXAMINATION**

(To be submitted within seven days of the last scheduled mid semester examination)

Name of the student:

Roll No. :

Branch :

Current Session and Semester :

Courses for make-up Examination

| Sl. No. | Course Code | Course Title | Department | Approval of the Course coordinator(s) |
|----------------|--------------------|---------------------|-------------------|--|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |

Reasons for the failure to appear in the mid-semester examination with supporting documents:

Signature of the Student with Date:

Remarks of Convener (DUGC) :

Recommendation of HoD :

Recommendation of Dean(Academics) : **Approved / Not-approved**

Annexure – V

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

Medical/ Semester/Study Leave Application

Name of the Student :

Roll No. :

Programmeme / Branch /Semester :

Type of Leave Applied for :

Reason for Leave :

Duration for which leave is required :

Supporting Documents Attached :

Signature of the Student with Date:

Remarks of Convenor (DUGC) :

Recommendation of HoD :

Signature of the Approving Authority* : **Approved / Not approved**

*Approving Authority for Medical leave and Semester Leave is Chairperson DUGC; Approving Authority for Study Leave is HOD;

Note: Approved copy to be submitted to office of Dean(Academics) for record and necessary action

Annexure – VI**NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA****COURSE REGISTRATION FORM (FACULTY ADVISOR COPY)**

Name of Faculty Advisor:

Dept:

Semester:

| Sl. No. | Roll No. | Name of the student | Course Code and Credits (Ex: MEPC201 (3)) | | | | | | Signature |
|---------|----------|---------------------|--|--|--|--|--|--|-----------|
| 1. | | | | | | | | | |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |
| 6. | | | | | | | | | |
| 7. | | | | | | | | | |
| 8. | | | | | | | | | |
| 9. | | | | | | | | | |
| 10. | | | | | | | | | |
| 11. | | | | | | | | | |
| 12. | | | | | | | | | |
| 13. | | | | | | | | | |
| 14. | | | | | | | | | |
| 15. | | | | | | | | | |
| 16. | | | | | | | | | |
| 17. | | | | | | | | | |
| 18. | | | | | | | | | |
| 19. | | | | | | | | | |
| 20. | | | | | | | | | |
| 21. | | | | | | | | | |
| 22. | | | | | | | | | |
| 23. | | | | | | | | | |
| 24. | | | | | | | | | |
| 25. | | | | | | | | | |

Name & Signature of Faculty Advisor
with dateName & Signature of HOD
(with date & Deptt. seal)

Annexure – VII**NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA****COURSE REGISTRATION FORM**

(Student Copy)

Name of the student:**Fee Receipt No:****Roll. No.:****Semester:****Dept.:**

| Sl. No. | Course Code | Course Title | Credits | Course Instructor's Name | Signature of Instructor's |
|---------|-------------|--------------|---------|--------------------------|---------------------------|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |

Signature of Student

Signature of Faculty Advisor

Signature of HOD with seal

Note: i. It is mandatory for a student to preserve this card as proof of his / her registration till the end of the Programme.

ii. To be signed by the student as soon as he/she completes the registration of all the courses and by the faculty advisor, the HOD after the last day of late registration announced in the academic calendar.

iii. To be signed by the student, faculty advisor and the HOD at the end of each semester after verifying the options exercised by the student and to be returned to the student at the end of the semester.

Faculty Advisor has to ensure that the entries in the Faculty Advisor Copy, Course Instructor Copy, and Student Copy are matching.

Annexure – VIII

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

Approval Form for registration of MOOC courses as Elective during Odd / Even Semester (To be submitted on or before ‘Last Date of Course Registration of Odd / Even Semester as per the institute Academic Calendar)

(Student →FA of Parent Department→ DUGC of Parent Department)

[To be filled-in by the Student]

Date:

Name of the Student:

Roll No.:

Programme (B.Tech./B.Arch. in) :

Department:

Semester :

I wish to register for the MOOC course in this semester with the details as below :

Course Title :

Conducting Organization :

Start Date :

End Date :

No. of Hours :

Certificate issued after conducting examination criteria (Yes / No) :

Website URL for the course details :

Type of Course (Programme Specific Elective / Liberal Arts) :

I have attached the MOOC course syllabus and the qualifying examination criteria for the award of MOOC certificate. I understand that if MOOC Certificate is submitted by me on or before the class end date of this semester, it will be included in the grade card of this semester, else it will be included in the next semester grade card.

Signature of the Student, with Date:

Forwarded for favorable consideration of the request after scrutinizing the credentials of the MOOC course as well as the organization conducting MOOC course

Signature(s) of the Faculty Advisor

DUGC Resolution to be conveyed to students on or before ‘Drop / cU options’ date]

DUGC Meeting Date :

MOOC Course Registration : Approved / Not Approved

Number of Credits Stipulated for the MOOC Course :

The transfer of credits will be recommended to Dean (Academic) after submission of MOOC course certificate by the student issued by MOOC conducting organization on the basis of qualifying examination criteria

HoD/Chairman DUGC

Encl : (1) MOOC Course Syllabus

(2) Qualifying examination criteria for the award of MOOC certificate

Annexure – IX**Performa - UMC-1****FORM FOR UNFAIR MEANS CASES**

| | | | |
|-----|----------------------------------|---|---------------------|
| 1. | Roll No. | : | _____ |
| 2. | Name of Student | : | _____ |
| 3. | Program/Branch/Specialization | : | _____ |
| 4. | Year of Admission | : | _____ |
| 5. | Venue of Examination (Centre---) | : | _____ |
| 6. | Date of Examination | : | _____ |
| 7. | Time | : | From _____ To _____ |
| 8. | Course Code | : | _____ |
| 9. | Course Title | : | _____ |
| 10. | Name of Invigilator(s) | : | _____ |

Details of Seized Material (Pl. Attach): All the material should be signed by the Invigilator of the Examination and the student. Mobiles confiscated shall be deposited with Centre Superintendent.

| |
|----|
| 1. |
| 2. |
| 3. |

Statement of Student:

| |
|----------------------|
| Signature of Student |
|----------------------|

Date _____ Time _____

Statement of Invigilator: (Record circumstances of offences in brief. The statement should be definite and unambiguous.

| |
|--|
| |
|--|

Certified that the statement by the student was made in my presence or the student declined to give any statement. (Cut whichever not applicable)

Name: _____ Signature of Invigilator Date: _____ Time _____

Name: _____ Signature of Center Superintendent Date: _____ Time _____

Annexure – X



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA
KURUKSHETRA-136119**

NO DUES CERTIFICATE

Name of the Student: _____, Roll No. _____,
Programme: _____, Branch/Specialization: _____, Semester: _____.

Date.....

Signature of the Candidate

Nothing is due against the above-mentioned student

1. HOD/Coordinator_____
2. Workshop Superintendent_____
3. Prof. I/c(Clubs) _____
4. Prof. I/c(NCC)_____
5. Warden, Hostel No.() _____
6. Prof. I/c(Sports) _____
7. Prof. I/c(CCN) _____
8. Faculty I/c (T&P) Cell_____
9. Librarian_____
10. Assistant/Deputy Registrar (Accounts)_____

The student is requested to submit the “No Dues Certificate” in the office of the Dean (Academic) by speed post, in-person, or through email at **academic@nitkkr.ac.in**. The student must keep a photocopy of the same with him/her for future reference.

S 54.04 To consider and decide the regulations for PG programmes.

The regulations for PG programmes have been prepared and circulated among departments/schools. Some suggestions/inputs have been received. After incorporating the suggestions/inputs, the regulations for PG programmes are also placed as Annexure S 54.04.

The Senate may consider and decide.

ORDINANCE AND REGULATIONS

for

Postgraduate (PG) Programmes

(M.Tech., M.Sc., MBA, and MCA)

2024-25



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
KURUKSHETRA-136119 (HARYANA) INDIA

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- PG.21. ELIGIBILITY FOR THE AWARD OF PG DEGREE**
- PG.22. AMENDMENTS/RELAXATIONS**

PG.1. DEFINITIONS

- (i) “NITKKR” shall mean the Institute i.e. National Institute of Technology Kurukshetra.
- (ii) “Director” shall mean the Director of NITKKR.
- (iii) “Senate” shall mean the academic Senate of NITKKR.
- (iv) “BoS” shall mean the Board of Studies of a Department/School of NIT Kurukshetra.
- (v) “DRC/ SRC” shall mean the Departmental/School Research Committee of a Department/School of NIT Kurukshetra.
- (vi) “DAC” shall mean the Departmental Affairs Committee of a Department/School of NIT Kurukshetra.
- (vii) “HoD” shall mean Head of Department in which a PG student is registered/proposes to register. Similarly, “Coordinator” shall mean Coordinator of the School in which a PG student is registered/proposes to register.
- (viii) “Degree” shall mean the Degree of postgraduate (M.Tech./MSc./MBA/MCA) programme of NIT Kurukshetra.
- (ix) “Educational Institute” shall mean those institutes, which run full-time Bachelor’s or higher degree programmes.
- (x) “ORG” shall mean a PSU / Government Department / R&D Unit.
- (xi) “PG student” shall mean a person who is registered in the PG Programme in any Department/School of NITKKR.
- (xii) “Part-time PG student” shall mean a PG student who in addition to devoting time towards discharging the employment responsibilities also devotes time towards the pursuit of the PG Programme.
- (xiii) “Full-time PG student” shall mean a PG student devoting full time in Department/School at NITKKR or / on an Internship towards the pursuit of a PG programme.
- (xiv) “Supervisor” shall mean a member of the regular academic staff of NIT Kurukshetra, appointed by the concerned Head of the Department (HoD)/ Coordinator of the School to supervise the PG dissertation work of the PG student.
- (xv) “Co-Supervisor” shall mean additional supervisor as appointed by the HoD/ Coordinator. Co-supervisor from outside the Institute must have the academic qualifications and research credentials as prescribed for a Supervisor in the Institute.

- (xvi) “Caretaker Supervisor” shall mean a supervisor appointed to look after the research interests in the absence of the regular supervisor when the dissertation of the PG students is ready to be submitted. The caretaker supervisor also must have the academic and research qualifications as prescribed for a supervisor.
- (xvii) “Registration Period” shall mean the length of the time span for which a person remains a PG student.
- (xviii) “Minimum Registration Period” shall mean the minimum period for which a PG student must remain registered to complete the requirements for a PG degree.

PG.2. REGULATIONS

Admission to the PG Programme will be regulated by the regulations made and approved by the Senate from time to time.

- PG.2.1.** Provision of these regulations shall come into force with effect from the academic year 2024-2025 and shall be applicable to all the postgraduate courses (unless otherwise stated) offered by the Institute.
- PG.2.2.** Eligibility criteria for admission must be satisfied on the date of admission in postgraduate programs.
- PG.2.3.** The date of admission for the student is as per the allotment letter issued by the Institute.
- PG.2.4.** In no case, the period of unauthorized absence will exceed one semester. If the period of unauthorized absence exceeds one semester, the student’s name will be struck off from the roll sheet of the Institute.
- PG.2.5.** All academic issues of the students other than those affecting the Institute rules and regulations framed from time to time may be looked into by the Dean (Academic).
- PG.2.6.** All problems of the students not related to academics may be looked into by the Dean (Student Welfare).
- PG.2.7.** At the end of each semester (i.e. after the end-semester examination), students will be supplied a Grade Card indicating the Grade (CGPA/SGPA) secured in each course and up-to-date CGPA.
- PG.2.8.** The maximum period in which a student must qualify for the award of the postgraduate degree will be five years, failing which a student will not be allowed to continue his/her study for a postgraduate degree.
- PG.2.9.** The percentage of marks obtained by a student if so required, can be calculated as follows;

Percentage of marks =CGPA multiplied by 9.00.

- PG.2.10.** The student will be required to complete all the requirements for the award of the postgraduate degree within a period specified in the regulations.
- PG.2.11.** In case of a change in permanent address, mobile number, email, etc, the student must inform the changes to Institute's Academic Section through Departments/Schools.
- PG.2.12.** It is the responsibility of the student himself/herself to abide by the rules and regulations mentioned in the prospectus and any modifications made from time to time. All the modifications will be uploaded on the Institute website in due course of time.
- PG.2.13.** The student has to claim for refund of the Caution Money within two years from the declaration of the final semester result i.e. date mentioned on the Detailed Marks Certificate (DMC) of the final semester else caution money shall be credited to the Student Welfare Fund.
- PG.2.14.** The Institute has switched over to a credit-based system of continuous evaluation with effect from the 2003-04 session.

PG.3. ADMISSION

The minimum academic qualification for admission shall be as decided by the competent authority and the distribution of seats including reservations shall be approved by the Ministry of Education (MoE), Govt. of India, from time to time.

- PG.3.1.** Admissions to the postgraduate programs will be made based on GATE / JAM / NIMCET / CAT / MAT / CMAT score/ percentile as decided by the Competent Authority.
- PG.3.2.** Admissions for the postgraduate programs also be made through the following schemes:
- (i) Direct Admission of Students Abroad (DASA)
 - (ii) Ministry of External Affairs (MEA)
 - (iii) Indian Council for Cultural Relations (ICCR)
 - (iv) Ministry of External Affairs, Nepal Scholarship Scheme (NSS, MEA)
 - (v) Ministry of External Affairs, Syrian Scholarship Scheme (SSS, MEA)
 - (vi) Study in India (SII)
 - (vii) Self-finance courses
 - (viii) Any other scheme proposed by MoE from time to time.

PG.3.3. Programme Offered

The postgraduate (M.Tech./MSc./MBA/MCA) programmes (2 or 3 years) are offered by the following Departments/ Schools in the related areas of specializations as decided by the Institute with the approval from appropriate bodies such as the Senate/Board from time to time:

| Sr. No. | Name of Postgraduate Programme (M.Tech./MSc./MBA/MCA) | Name of the Department |
|---------|--|---|
| 1. | 1. Environmental Engineering (EV) 2. Geotechnical Engineering (GE) 3. Structural Engg. (SU) 4. Transportation Engg. (TE) 5. Water Resources Engg. (WR) (in abeyance for AY 2024-25) | Civil Engineering |
| 2. | 1. Computer Engineering (XE) 2. Cyber Security (BR) | Computer Engineering |
| 3. | 1. Control System (CP) 2. Power Electronics & Drives (PD) 3. Power System (TJ) | Electrical Engineering |
| 4. | Communication System (CY) | Electronics & Communication Engineering |
| 5. | 1. Machine Design (MD) 2. Production & Industrial Engineering (IP) 3. Thermal Engineering (TI) | Mechanical Engineering |
| 6. | Renewable Energy Systems (RN) | School of Renewable Energy & Efficiency |
| 7. | 1. Embedded System Design (VF) 2. VLSI Design (VN) | School of VLSI Design & Embedded System |
| 8. | 1. M.Sc. in Physics (2 years) 2. M.Tech. in Nanomaterials and Nanotechnology 3. M.Tech. in Instrumentation (in abeyance for the AY 23-24) | Physics |
| 9. | M.Sc. (Chemistry) (2 years) | Chemistry |
| 10. | M.Sc. (Mathematics) (2 years) | Mathematics |
| 11. | MCA (3 years) | Computer Application |

| | | |
|----|---------------|-------------------------|
| 12 | MBA (2 years) | Business Administration |
|----|---------------|-------------------------|

The provisions contained in these Regulations shall also be applicable to any new PG Programme, either by any of the Department/School or even possibly as an inter (multi) disciplinary Programme, that may be introduced from time to time.

PG.4. COURSE STRUCTURE OF PG PROGRAMME

The Course Structure for Postgraduate Programmes shall have the following categories of courses: -

| Sr. No. | Course Category | Explanation |
|---------|-----------------------|--|
| 1 | Program Core (PC) | Courses specific to the relevant Programme/discipline |
| 2 | Program Elective (PE) | Elective Courses specific to the relevant Programme/discipline |
| 3 | Open Elective (OE) | Elective Courses from any domain/MOOCs |

PG.4.1. The curriculum of any branch of the PG program is designed to have a requirement of a minimum of 80+3 credits.

PG.4.2. Normally a semester shall have 5 or 6 theory courses and 1 or 2 laboratory courses and/or seminar courses.

PG.4.3. The medium of instruction, examinations, and project reports shall be in English.

PG.4.4. One credit indicates an effort of 55 Minutes (1 credit hour for Lecture) per working week.

PG.4.5. Lectures/Tutorials: One Lecture/Tutorial per week shall be assigned ONE credit/Half Credit respectively.

PG.4.6. Practical: One lab period per week shall be assigned half a credit.

PG.4.7. Seminar/Colloquium/Group Discussion/Term-Project: Same as for practical.

PG.5. REGISTRATION

PG.5.1. Semester Registration

Every student is required to be present and register at the commencement of each semester on the date fixed and notified by the office of the Dean (Academic).

PG.5.2. Registration Procedure

From the second semester onwards, all students have to register on the Samarth Portal only after the clearance of all dues of the Institute except the students who have been

debarred from registering for a specific period on any ground as per procedure adopted by the Institute.

PG.5.3. Tuition Fee

The tuition and other fee will be approved by the competent authority of the Institute. The students are required to pay the Tuition Fees/Other Charges at the time of registration in each semester as per the Fee Structure issued from time to time.

PG.5.4. Refund of Fee

The following refund rules will be applicable:

| Candidates withdrawing from M.Tech./ M.Sc./MBA/MCA (Regular courses) | |
|--|--|
| No. of days from the start of the academic session or date of admission, whichever is later, to the date of withdrawal of admission | Amount to be Deducted |
| Upto 3 days | Rs. 1000/- |
| 04 to 12 days | Rs. 3000/- |
| 13 to 30 days | Rs. 7500/- |
| Above 30 days | Only Security(Institute, Library, Hostel) to be refunded |

| Candidates withdrawing from M.Tech./ M.Sc./MBA/MCA (Self-Financed courses) | |
|--|-------------------------------|
| No. of days from the start of the academic session or date of admission, whichever is later, to the date of withdrawal of admission | Amount to be Deducted |
| Upto 3 days | Rs. 1000/- |
| 4 to 15 days | Rs. 10,000/- |
| 16 to 30 days | Rs. 16,000/- |
| Upto 45 days | Rs. 25,000/- |
| After 45 Days | Only security to be refunded. |

Note: No fee will be refunded to those candidates who do not report to the Institute after the allotment of seats for admission in PG programs.

PG.5.5. Academic Session and Calendar

The academic calendar is approved by the Senate. It is divided into two semesters of about sixteen weeks each namely:

- Odd-Semester from July to December
- Even-Semester from January to June

The dates of all the important events such as orientation, registration, late registration, the commencement of classes, mid-semester break, submission of examination-related documents, submission of project reports/dissertations, schedule of examinations, submission of awards, publishing results, and vacations, etc. during the Academic Session shall be specified in the Academic Calendar of the Institute.

PG.5.6. Late Registration

The students who have registered themselves for an upcoming semester after the expiry date of the registration period as notified by the office of the Dean (Academic), then fine will be imposed for registration as under:

| Registration Period | Fine to be charged |
|---|--------------------|
| Up to one week after the last date of registration | Rs. 1000/- |
| Two to Five weeks after the last date of registration | Rs. 2000/- |
| Beyond Five weeks after the last date of registration until the end of the semester | Rs. 5000/- |

Note: In case, any student is not registered till the end of the semester, he/she will be allowed to pay the semester fee (including fine) and fill out the semester registration form only after the approval of the Dean (Students Welfare).

PG.6. COMMITTEES

PG.6.1. Departmental Advisory Committee (DAC) / School Advisory Committee (SAC)

DAC/SAC advises the Heads of the Departments/Coordinators of Schools regarding policies and procedures for academic programs and other departmental affairs for the smooth functioning of the department.

PG.6.1.1. Composition of DAC/ SAC:

The composition of the DAC/SAC of each Department is as under:

1. Head/Coordinator of the Department/School Convener
2. All Professors of the Department
3. Two Associate Professors and two Assistant Professors in order of seniority by rotation for two years.

The Head of the Department shall constitute the DAC/ SAC and get it approved by the Director.

PG.6.1.2. Functions of DAC / SAC:

- (i) To appoint course coordinators for UG/PG courses and external examiners for M.Tech programs.
- (ii) To advise the head of the Department regarding policies and procedures for Academic Programs and other departmental affairs for the smooth functioning of the department.
- (iii) To periodically review the UG/PG courses and recommend upgradation/modification of syllabi to BoS from time to time.

PG.6.2. Departmental Postgraduate Committee/School Postgraduate Committee:

PG.6.2.1. The DPGC/SPGC shall be constituted by the HoD/Coordinator:

1. HoD/Coordinator as ex-officio Chairperson
2. Convener, DPGC/SPGC
3. Faculty of the course coordinators and the Mentors/Supervisors/Faculty Advisors
4. The Convener, DUGC and other members of the DUGC shall be proposed by the Head of the Department along with the recommendation of Departmental advisory committee for a term of two years starting from the month of July of the Academic Session.

PG.6.2.2. Responsibilities of the DPGC/SPGC: The committee shall review, discuss and recommend all matters relating to the M.Tech./MBA/MCA/M.Sc. Programmes, including but not limited to:

- (i) The Curriculum and Syllabus revision required for the programme including new elective courses for the existing programmes. If there are separate departmental committees for curriculum revision, the members of DPGC/SPGC shall be automatically part of such committees.
- (ii) Attending to the problems of PG students and advising them in academic matters.
- (iii) Coordinating in Dissertation evaluation and grade submission to the office of Dean (Academic).
- (iv) Obtaining feedback of the performance appraisal of the Course Instructors from the students in the prescribed format.
- (v) Advising the students with regard to opting online courses or courses offered by other Institutions.

- (vi) Providing guidance to students in choosing elective courses, and facilitating the allocation of these courses in consent with the Dean (Academic) office. The relevant departments/schools will develop associated modalities according to the needs.
- (vii) Process the application for condonation of attendance shortage and provide recommendation to HoD/Coordinator.
- (viii) With HoD/Coordinator as Chairperson, DPGC/SPGC shall conduct inquiry on examination malpractice cases reported from postgraduate examinations and make recommendations to the Dean (Academic) regarding penalties to be imposed. Additional members for this purpose may be appointed by the HoD/Coordinator, if required. Such an inquiry committee will have an external member nominated by the Dean (Academic).
- (ix) DPGC/SPGC will be vigilant for the specific issues of concern, arising due to the effect of periodic revision of curriculum and academic regulations.
- (x) DPGC/SPGC will report the Dean (Academic) about the matters related to implementation of new academic policies, evaluation of credits earned from other Institutions as part of exchange Programmes, Academic Bank of Credits (ABC) and similar initiatives.
- (xi) Any other activities/tasks assigned by the Chairperson from time to time.

PG.6.3. Board of Studies (BoS)

BoS of a department recommends a new scheme, revision in the existing scheme, the inclusion of a new syllabus, and revision of existing syllabi. The BoS may also review the co-curricular/extracurricular activities related to departments.

PG.6.3.1. Composition & Functions of BoS

The composition of the Board of Studies of each Department is as under:

- (ii) The Head/Coordinator of the Department/School is the Chairman of the BoS.
- (iii) All Professors of the Departments.

- (iv) Three Associate Professors and three Assistant Professors from the Department are to be nominated by the Director, NIT Kurukshetra by rotation according to seniority for a period of three years.
- (v) Two outside experts are to be nominated by the Director, NIT Kurukshetra from the panel recommended by the Head/Coordinator of the Department/Schools for a period of three years.
- (vi) The constitution of any Board of Studies may be changed/amended by the Director if the need so arises from time to time. However, the number of outside experts on any Board of Studies may be increased by the Senate.

PG.6.3.2. The powers and functions of the Board of Studies of each Department will be as under:

- (i) To recommend the procedures and schemes for the Under-graduate/ Postgraduate/ Ph.D. programs and other different courses of study.
- (ii) To recommend the pattern of conducting the examination/ evaluation for the departmental academic programmes.
- (iii) To formulate Institute level policy and coordinate as well as review Under-graduate/ Postgraduate/ Ph.D. curricular/ Co-curricular/ extra-curricular activities, time-schedules, evaluation of the academic performance of students, research activities of students, academic awards, practical training, academic planning concerning new activities.
- (iv) To establish liaison with Industry and to regulate Consultancy Projects, sponsored R&D Projects, Sponsored and industry-based Short-term Courses, Patents, and technical knowledge transfer of Industry and Inter-Institutional Collaborative Links abroad.
- (v) To deal with any academic matter that may be referred to by the Senate.
- (vi) The Director of the Institute may delegate any other power & function to the Board of Studies as he/ she deems fit.

PG.6.4. Student Council Committee

To make the students participate in the student-related activities of the Institute and develop their career, personality, and organizational skills through interactive programs with the faculty, administration, and society.

The Director of the institute will be the Patron of the Student's Council. Dean (Student's Welfare) will act as the Chairman of the Students' Council and its Core Committee with Associate Dean(s) (Students' Welfare) as Faculty advisor(s).

The Students' Council will further consist of:

- (i) One student from each Branch of 1st year B.Tech.
- (ii) One student from each Branch of 2nd-year B.Tech.
- (iii) One student from each Branch of 3rd-year B.Tech.
- (iv) One student from each Branch of 4th-year B.Tech.
- (v) One M.Tech. and one M.Sc. student from each Specialization.
- (vi) One MBA and one MCA student.
- (vii) Five Ph.D. Research Scholars.
- (viii) Five students nominated by the Director who represent various sections of the student community such as foreign students, girl students, Technical societies, Sports, cultural, NSS, NCC, etc.
- (ix) One Professor nominated by the Director as a faculty representative in the Students' Council.

PG.6.4.1. Academic Mentor

To help the students in planning their courses of study and to render general advice regarding the academic program, the Head of the Department concerned, will assign every batch of students, a faculty member who will be called an Academic Mentor. The set of students thus assigned will continue to be under the guidance of the Mentor till they complete the program until otherwise changed.

PG.6.4.2. Advisory Committee

For every class, an advisory committee shall be constituted by the Head of the department, as given below:

- 1 Chairperson - A senior faculty member.
- 2 Members- Faculty of all the courses of study and the mentor
- 3 A minimum of six student members from both genders.

PG.7. ATTENDANCE

Attendance requirement for being eligible to appear in the end semester examinations:

Minimum requirement of attendance for being eligible to appear in the end semester examinations shall be 75%. However, this may be relaxed upto a maximum of 10%, i.e. upto 65% by the Director. An extra relaxation of upto 5%, over and above the already existing relaxation of a maximum of 10%, may be granted by the Director under special circumstances, on the specific recommendations of concerned HoD/School Coordinator, to meet the minimum attendance requirement of 75%. In cases of medical exigency,

minimum attendance requirement can be relaxed by the Director to 50% on recommendation of HoD and Dean (Academics). The application for attendance benefit on medical grounds should be endorsed by CMO of concerned District/SMO of the Institute Health Centre.

Those having attendance below 65% are not allowed to appear for the end-semester examination of that/those course (s) and shall be notified as 'Detained'. All such students, depending upon their attendance shall be further categorized into two categories A & B, as follows:

Category A: (Attendance between 50 % to 64.99 %) A student has two options

Option 1: To repeat the course through classroom/lab studies and obtain whatever grade he/she can obtain.

Option 2: Student is permitted to attend classes of the next semester and can appear for the mid-semester examinations of the course(s) when the opportunity is available. However, such student is restricted to a grade of 'D' only.

Category B: (Attendance below 50%) Such students have to mandatorily repeat that/those course (s).

Detention list will be prepared on the basis of average attendance in all subjects and notified at the department level. Further, the final list will be sent to the Academic Section at the end of the exams. in the respective semester.

PG.8. FULL-TIME TO PART-TIME CONVERSION OF PG PROGRAMME

To change the PG programme from full-time to part-time:

1. The student must have completed Semester I and II without any backlog.
2. The request will be sent by DAC/SAC with a clear recommendation of the concerned Department/School.
3. The maximum period of registration remains the same i.e. student shall complete his/her M.Tech. programme within 5 years from the date of admission.
4. The student will inform his/her employer regarding the continuation of his/her PG programme during the job with a copy to the Office of Dean (Academic).
5. The M.Tech. students after the change of status will not be eligible for any scholarship/stipend.
6. Once the status changes from full-time to part-time, he/she cannot revert back.

7. If a student submitted his/her M.Tech. Dissertation after completion of two years, he/she will have to pay the semester continuation fee and full semester fee as applicable.

PG.9. DISSERTATION

PG.9.1. PG students are allowed to do their project/ Dissertation work at Central / State Govt. / Laboratories / Institutions / R&D Organization/ Public & Private Industries of repute subject to the following conditions: -

1. The concerned HoD/Coordinator shall ensure that the external organization has adequate facilities to support the research work of the students for their Dissertation work.
2. The student will be allowed to work at an external organization after their successful completion of course work from 3rd semester onwards.
3. There will be one Supervisor/ Co-guide from the proposed Institution/ Organisation where the Dissertation work is to be done. A written consent of the Co-guide for guiding the Dissertation work at his/her organization should be submitted to the Academic Section through the Supervisor(s) and concerned HoD along with the tentative title of the Dissertation.
4. The student shall submit their monthly progress report of their dissertation work to the internal Supervisor/Guide which should be duly forwarded by the external supervisor/ Co-guide.
5. The GATE-qualified candidates may be allowed to draw scholarships subject to the following conditions:
 - The student shall submit a certificate from his Co-guide (external supervisor) to the effect that he has worked satisfactorily for his Dissertation work at the organization with details of leaves availed, if any, every month.
 - The GATE-qualified candidate, receiving scholarship from the institute/any other funding agency, shall submit a monthly Progress Report signed by the both internal and external supervisors. The IPR, if any, shall be shared among the students and the supervisors.
6. The student shall abide by all rules and regulations for the evaluation of his dissertation work as stipulated in the PG scheme/syllabi as approved by the Senate.

PG.9.2. Dissertation / Internship / Project work

- 1 Dissertation Supervisor(s) of M.Tech. must be allocated within two months from the commencement of classes in the first semester.
- 2 The students are allowed to participate in the internship drive organized by the Training and Placement (T&P) Cell of the institute to pursue their M.Tech. dissertation work in industry. All such expressions of interest should reach the T&P cell by the 15th of December positively.
- 3 The organization/industry offering an internship for a period of Seven to Twelve months has to provide an external supervisor/co-guide to the interns to complete their dissertation work.
- 4 The Dean (Academic) will approve all the Internship cases only on the recommendation of the Dean (R&C). Further, students can join their internship in the concerned organization/industry only after receiving the approval of the Dean (Academic).
- 5 The student is required to appear for presentation and viva-voce examination as and when required by the respective departments at NIT Kurukshetra.
- 6 All publications will be made in the names of the students and supervisor(s) during the period of internship.
- 7 Copyright, Trademark, and Patents during the internship will be jointly in the names of NIT Kurukshetra and the concerned organization/industry.
- 8 Internships and Dissertation work in reputed Academic Institutions / R&D Organizations will be allowed only after the recommendation of the concerned supervisor and HoD of the respective Department.

PG.9.3. Submission of Dissertation / Internship / Project work

The student shall submit her/his dissertation/Internship/Project work report for evaluation from the next day onwards of the end of classes upto 30th June of the academic year as applicable with the supporting documents as notified by the academic section.

The student will be considered for the award of medal for being topper in the classes with highest CGPA only in case the dissertation submitted on or before 30th June of the academic year.

If the student fails to submit in the given timeline, he/she is required to pay a fine of Rs. 10000/- per semester for submission of his/her Dissertation/Internship/Project work report.

If the last date of M.Tech. Dissertation submission happens to be a weekend or a holiday, so then next working day will be considered as the last date for the purpose.

PG.10. EXAMINATION AND EVALUATION SYSTEM

Examination in each semester will be held according to the syllabus prescribed by the Senate. Each course will carry credits as per the scheme of courses. A student must study all the courses given in the scheme approved by the Senate. The examination will be held at the end of the semester on such dates as may be fixed by the Examination Branch/Department. In order to appear in the end-semester examination, a student must have registered for the concerned paper(s) and must have attended not less than 75% of total classes in lectures (including tutorials) and Practicals.

PG.10.1. Evaluation process for courses

| (a) | Theory Papers | Weightage | Assessment |
|-----|-----------------------|------------|-------------------------------------|
| 1 | Mid Semester-I Exams | 15 | Internal Assessment out of 50 Marks |
| 2 | Mid Semester-II Exams | 15 | |
| 3 | Teacher's Assessment | 10 | |
| 4 | Attendance | 10 | |
| 5 | End Semester | 50 | External Assessment out of 50 Marks |
| | Total | 100 | |

| (b) | Practical | Weightage | Assessment |
|-----|-----------------------------|------------|-------------------------------------|
| 1 | Viva-voce-I & II | 15+15=30 | Internal Assessment out of 60 Marks |
| 2 | Practical File & Class Work | 20 | |
| 3 | Attendance | 10 | |
| 4 | End Semester | 40 | External Assessment out of 40 Marks |
| | Total | 100 | |

PG.10.2. Mid-Term Examination for Internal Component of Course

- The sessional evaluation is to be made based on only two mid-term tests in the theory subjects. However, there shall be a provision of a make-up test only for the students who miss one of the tests due to some valid

reason preferably with the prior permission of the HoD. If due to some compelling reasons, the student is unable to obtain the prior approval of the HoD for missing a test, he/she may apply for 'post-facto' approval to the HoD.

- The reappear mid-semester examinations for even and odd semesters will be held every semester at the Department/School level. The Academic Section will notify the schedule for submission of examination forms from the students having re-appear in the internal component of the course.
- There is no examination fee for mid-term examinations from re-appear students.
- A cut list for the mid-semester examination will be prepared and notified by the Academic Section.

PG.10.3. End Semester Examination for External Component of Course

- The end-semester examinations for the theory component of the course for regular students will be conducted after the closing of teaching in the semester.
- The end-semester examinations for practical components will be conducted at the Department/School level and the same will be conducted before the start of theory examinations.
- The schedule of practicals/projects/seminars will be prepared and notified by the Departments/Schools.
- The schedule of the theory examination will be prepared and notified by the Examination Cell.
- The cut list of regular students will be sent to the examination cell by the Academic Section before the last day of teaching. The cut list also includes program elective courses, open elective courses along-with compulsory courses.
- The reappear students are required to submit examination forms for reappear courses of even and odd semesters as per the schedule notified by the Academic Section.
- The Academic Section will notify the schedule for submission of examination forms for students having reappear. The students will be required to pay the exam fee as approved by the Senate from time to time.

PG.10.4. Special exams. after declaration of 1st/pre-final year result in even semester

- Special exams. for final year students of PG programmes will be conducted by the departments concerned within a month of the declaration of 1st/pre-final year result in even semester.
- Only those students will be allowed for special examinations who are having not more than five reappears.

PG.10.5. Evaluation process for Dissertation / Internship / Project work

The Dissertation Part-I

End semester evaluation by the committee* based on seminar/viva-voce/report submitted by the candidate – out of 100 marks, to be completed (Passed) by the end of the third semester.

*Committee comprising the following members: -

- HoD of his/her nominee
- Dissertation Supervisor (and Co-supervisor)
- One faculty member (as an expert preferably from the same specialization).

The Dissertation Part-II

After the submission of the Dissertation / Internship / Project report, the final examination is to be conducted in the respective Departments.

The Dissertation / Internship / Project report Part-II shall be evaluated through presentation cum viva-voce examination by a committee comprising of the following

- HoD or his/her nominee.
- Dissertation Supervisor (and/or Co-supervisor).
- One external expert (suggested by the concerned supervisors and approved by the HoD/Coordinator).

The evaluation will be as per the following criterion:

- a) Final evaluation components (Maximum 70 marks)
 - Content of Report (Maximum 40 marks)
 - Presentation (Maximum 20 marks)
 - Answer to Examiner's queries (Maximum 10 marks)

- b) Marks for papers presented in Conferences organized at IITs / NITs / IIITs / IISc / IISERs / Conferences sponsored by reputed professional societies (7 marks per paper).

OR

Outstanding work done during internship duly certified by industrial supervisor.

(Maximum 14 marks for entire B component)

- c) Marks for paper in non-paid papers in peer-reviewed journals in Scopus / SCI / SCIE (30 marks per paper)

OR

Patent accepted (30 marks per Patent)

OR

M.Tech Best Project Award given by recognized agency (30 marks per award)

(Maximum 30 marks for entire C component)

Final Evaluation:

The final grade of the fourth semester will be evaluated based on the grand total of marks (a+b+c) /100 as per the Institute norms.

Note: In case, the total marks (a+b+c) exceeds 100 it will be counted as 100.

Note: The viva-voce exam can be conducted in the offline/online mode in both parts of the dissertation in 3rd and 4th semesters, however, the exam may be conducted in online mode for the students on internship and in special cases.

PG.10.6. Evaluation Awards

The student will be awarded a Letter Grade which indicates the level of performance in a course and has a Grade Point for computing the Cumulative Grade Point Average (CGPA) as per the tables given below:

All Courses (except Audit Courses)

| Marks obtained & Grade | Performance | Grade Point |
|------------------------|-------------|-------------|
| $85 \leq A+ \leq 100$ | Excellent | 10 |
| $75 \leq A < 85$ | Very Good | 09 |

| | | |
|------------------|-----------|----|
| $65 \leq B < 75$ | Good | 08 |
| $50 \leq C < 65$ | Average | 06 |
| $40 \leq D < 50$ | Pass | 04 |
| $0 \leq F < 40$ | Re-appear | 00 |

Audit Courses

| Marks obtained & Grade | Performance | Grade Point |
|------------------------|--------------|-------------|
| $40 \leq A+ \leq 100$ | Satisfactory | 10 |
| $0 \leq F < 40$ | Re-appear | 00 |

A student who earns an F Grade in a course shall have to re-appear in that course in the subsequent examination (s).

The CGPA is the weighted average of all the grades and is computed as follows:

$$CGPA = \sum C_i G_i / \sum C_i$$

The C_i denotes credits assigned to the i^{th} course and G_i indicates the Grade Point equivalent to the Letter Grade obtained by the student in the i^{th} course.

Note: The Percentage of marks obtained by a student be calculated as = CGPA multiplied by 9.00.

The candidates will be required to obtain a minimum 'D' grade and earn the assigned credits.

PG.10.7. Fees and charges for drop/repeat/detained cases

The Tuition fee will be charged to the students repeating semester courses due to detention and other reasons as per the below formula:

$$\text{Fee} = [\text{Tuition fee} \div (\text{Total no. of Courses in a semester})] \times (\text{No. of repeating Courses})$$

| | |
|----------------|---|
| Tuition Fee | The tuition fee applicable to his batch in the respective semester |
| No. of Courses | Total no. of courses in the respective semester including all theory/practical/project etc. courses |
| Repeat Courses | Nos. of courses in which the student is detained and repeats the same courses to get normal grades. |

Note:

1. A nominal continuation fee of Rs. 5000/- per semester may be charged to the students for the gap period in which the students have not actually attended the Institute and used the resources. In addition, the penalty of Rs. 5000/- per semester will also be charged to the students in case the gap is without prior permission.
2. In addition to above-mentioned tuition fee and nominal continuation fee and/or penalty, the student has to pay other institute charges as applicable to the current studying batch.
3. A student will be allowed to be a Day scholar only if approved by the Dean (Students Welfare) on the recommendation of the Chief Warden (Boys/Girls Hostels).

In addition to these fees, the student must pay hostel room rent as per availability and allotment to him/her and other miscellaneous expenses during his/her study that semester.

PG.10.8. Result

- (A) At the end of the Semester the students will be awarded a Letter Grade in each of the courses taken during the semester depending on the total performance (which may consist of mid-semester examinations, quizzes-announced and unannounced, laboratory exercises, tutorial work, seminars, home assignment, etc.) as well as in the End Semester Examination.
- (B) Letter Grades will be awarded to the students as indicated below. Each Letter Grade indicates the level of performance in a course and has a grade point for purposes of computing the Cumulative Grade Point Average (CGPA) as given below.

Further, since each letter grade awarded to the student indicates the level of performance in that course, it has an assigned Grade Point for the purpose of computing the Cumulative Grade Point Average (CGPA) as given below.

| Marks obtained & Grade | Performance | Grade Point |
|------------------------|-------------|-------------|
| $85 \leq A+ \leq 100$ | Excellent | 10 |
| $75 \leq A < 85$ | Very Good | 09 |
| $65 \leq B < 75$ | Good | 08 |

| | | |
|------------------|-----------|----|
| $50 \leq C < 65$ | Average | 06 |
| $40 \leq D < 50$ | Pass | 04 |
| $0 \leq F < 40$ | Re-appear | 00 |

A student who earns an 'F Grade' in a course shall have to re-appear in that course in the subsequent examination(s).

- (C) The Course Coordinator of the course will compile all the marks and will award the Grades. He/she will submit a copy of the award list to the Examination cell for the preparation of the semester result.
- (D) Once Grades are submitted, any correction thereafter will only be made with the approval of the Director on the recommendation of the Dean Academic.
- (D) For the theory component of a course, the Course Coordinator (assisted by the team of teachers) will award the marks through continuous evaluation of the students during the semester as well as in the End Semester Examination.
- (E) For the practical (Laboratory/design/drawing/survey camp/workshop and/ or vocational training/ project) course and the practical component of a course, the marks will be awarded by the Course Coordinator (assisted by the team of teachers) through continuous evaluation of the students during the Semester.
- (F) The Project Semester evaluation will be done by the Project Evaluation Committee as per the guidelines issued by the Institute from time to time.

PG.11. RE-EVALUATION

The student can apply for re-valuation of the answer book of end semester examinations in the prescribed format along with a fee of Rs. 1000/- per subject in the concerned department within 20 days from the declaration of the result by the examination cell.

The HoD will constitute a committee of two subject experts for the re-evaluation of the answer sheet. In case of a change of status after re-evaluation (fail grade 'F' to pass or change of grade), the revised result will be sent to the Office of the Dean (Academic) within a fortnight from the last date of applying for re-evaluation for the approval of the Competent Authority. If after re-evaluation the status changes from pass to fail, the student will be considered pass with the lowest passing grade i.e. with a 'D' grade.

PG.12. MERCY CHANCE

Only one such chance is given to PG students to appear for Odd as well as Even Semester re-appears after a gap of one year from the completion of a maximum duration of PG degree i.e. 5 Years from the date of admission, subject to the following conditions: -

1. The students should not have more than 5 re-appears in a semester and not more than 10 re-appears in total.
2. The Internal and External reappear examinations for odd and even semesters can also be conducted simultaneously as per the requirements.
3. Internal and External reappear will be considered as separate reappears wherever applicable.

PG.13. ABSENCE/DROPPING THE PROGRAM

1. A student may be permitted to drop/be absent due to illness with due approval of the Dean (Academic) subject to the period of absence/drop not exceeding one semester.
2. If the period of unauthorized absence exceeds one semester, the student's name will be struck off from the rolls of the Institute.
3. If the period of absence/drop is more than one semester, then the case will be referred to the Director by the Dean (Academic) with recommendations.
4. A student may be allowed to complete his/her postgraduate degree within five years of admission including a gap period.
5. The student may be allowed to drop/be absent from the job for a maximum of three years subject to completion of degree within five years.
6. A nominal fee of Rs. 5000/- per semester will be charged to the students for the gap period in which the students have not actually attended the Institute but have used the institute resources. In case, a student is absent from the Institute without prior permission, he/she may be permitted to join back with the permission of the Director on payment of a penalty of Rs. 5000/- per semester in addition to the prescribed fee for the period of absence.
7. The gap of one/two semesters missed by the student(s), as the case may be, will be counted towards the total duration of the Programme permissible under the Regulations.
8. If a student becomes absent/fails (Re-appear) in the Dissertation (Part-I) due to his unsatisfactory work of the dissertation in the third semester, he has to repeat the third semester in the upcoming semesters (odd/even). Further, he/she may register for the Dissertation (Part-II) in 4th semester only after passing the Dissertation (Part-I) of 3rd

Semester in the previous semester.

PG.14. AWARD OF DEGREE

The student is required to obtain a minimum CGPA of 5.0 out of 10.000 for the award of the Degree.

A student is deemed to have completed the requirements for Graduation and is eligible for the award of a Degree if:

- (a) He/She has satisfied all the academic requirements as per the regulations.
- (b) He/She has paid all fees due from him/her.
- (c) there is no case of indiscipline against him/her.

A student who completes all the above requirements is recommended by the Senate to the Board of Governors for the award of the appropriate degree in the ensuing convocation. The degree can be awarded only after the Board of Governors accords its approval.

PG.15. ISSUANCE OF DUPLICATE CERTIFICATE

Certificates such as Degree Certificate, Consolidated Grade Certificate (CGC), Leaving/Migration Certificates, Transcript, 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/stolen/damaged.

Minimum 2-3 weeks after receipt of application along with the requisite fees and supporting documents. In case of mismatch/incomplete documents, the issue of duplicate certificate(s) will be further delayed.

| Sr. No. | Document | Re-issuing Fee |
|---------|--|--|
| 1. | Character | Rs. 100/- |
| 2. | Migration | Rs. 500/- |
| 3. | Degree Certificate | Rs. 2000/- |
| 4. | Detailed Mark sheets (DMCs)/Consolidated Grade Certificate (CGC) | Rs. 500/- per DMC/CGC |
| 5. | Transcript | Rs. 100/- per page for 1 st set & for subsequent sets @ 50/- per page |

There will be no charges for re-issuing the Degree certificate/Detailed mark sheets/any other document if there is a printing mistake on the part of the Institute in the Original Document.

PG.16. UNFAIR MEANS CASES (UMCs)**INSTRUCTIONS AND PENALTY FOR USE OF UNFAIR MEANS**

1. The students are advised to carefully go through the salient instructions for the conduct by a student in the Examination which are printed on the cover page of the answer book.
2. Before the start of Examination each day, the Invigilator(s) shall call upon all the candidates to deliver to him/her all papers, books, notes or any other material / mobile, Bluetooth, smartwatch etc. which they may have in their possession. The candidates shall also be warned that if any of them fails to do so or adopts any other Unfair Means, he/she shall be liable to penalty.

3. What constitutes an UMC Case?

A student necessarily need not be actively involved in cheating to be viewed as a case of UMC. Willful or even unintentional mistake of noncompliance of instructions/guidelines for the examination may also be charged as UMC. The acid test for the same is possession of material or indulgence in an act which may provide unlawful gains.

4. Actions by the Invigilator on Detecting Unfair Means Case

The invigilator will report the matter to the Centre Superintendent. The Invigilator/Center Superintendent will proceed as per the guidelines given below:

- (a) As soon as a student is suspected by the invigilator or any other authorized person of having resorted to unfair means he/she shall immediately take possession of the answer book along with the relevant material found with the student. The papers, notes, books, electronic devices etc. found in possession of the student shall be duly signed by the student and the invigilator, sealed and attached with the seized answer-book in presence of the student. In case the student is found to have written something on the body part, a photo of same may be taken on the web cam available etc., if possible. In case student indulges in UMC other than possession of unauthorized material like talking to fellow student, attempting to copy from fellow student, allowing fellow student to copy, discussing answer with fellow student outside the hall etc., the nature of offence must be duly recorded by the invigilator.
- (b) The Invigilator/Center superintendent will get the prescribed form (attached) for unfair means filled and signed by the student and give his / her comments on the same, in prescribed place.

- (c) After completing all the above formalities, a fresh answer-book shall be given (wherever applicable) to the student for completing the Examination.
- (d) If the student does not hand over the relevant material and / or refuses to fill up and sign the prescribed form, the same shall be recorded on the prescribed form. In this case, co-Invigilator (if any) may sign as a witness to the event.
- (e) No extra time will be given for completing the Examination as a result of this procedure.
- (f) After Examination is over, these answer books duly marked as Copy-I (confiscated copy) and Copy-II (freshly issued copy) along with the material found in possession and the prescribed form duly filled and signed by the Invigilator and counter-signed by the Centre Superintendent shall be delivered separately to the Faculty Incharge (Examination).

5. Categories of Offences and Punishments

Following actions may be taken for different categories of offences listed below:

| Category of Offence | Nature of Offence | Action to be taken |
|---------------------|--|---|
| 1 | Talking to another candidate or to any person other than the members of the supervising staff in or outside the Examination Hall during the Examination hours. | The answers to the running question will be crossed / cancelled on the spot by the invigilator on duty with red pen by putting his / her signature, name & Department. The matter shall be reported to the Centre Superintendent. |
| 2 | If during the Examination (Theory/Practical) a student a) Refuses to Obey the orders of the Invigilator / Centre Superintendent or argues unnecessarily. b) Changes the seat without permission of the Centre Superintendent / Invigilator or occupies the seat not allotted to him / her. c) Writes solutions either on the question | The first answer book to be withdrawn and cancelled. The student shall be provided with a second answer book which will only be evaluated. |

| | | |
|----|---|--|
| | <p>paper or anywhere else except the Answer Book.</p> <p>d) Repeats offence of Category 1.</p> | |
| 3 | <p>a) Being in possession in the Examination Hall, of papers, books, notes or writing on any part of the candidate's clothes or any writing on his/ her body or table or desk or instruments like programmable calculators, electronic gadgets, mobiles, Bluetooth, iPod etc. or any other material intended to be of possible help to the candidate in the examination. But, it is established that he/she has not used the material or the material is irrelevant.</p> <p>b) In case of Practical examinations presenting to the examiner a practical or class work note book not prepared by himself / herself.</p> <p>c) Making an appeal to the examiner in the answer book.</p> | <p>The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled.</p> |
| 4. | <p>a) During the Theory / Practical Examination a student is found to be copying from any means. enlisted in Category 3(a).</p> <p>b) Receiving help or attempting to receive help for answering the question paper from any source in any manner, inside or outside the Examination Hall.</p> <p>c) Attempting to copy from another candidate or assisting another candidate to copy from the objectionable material in his/her</p> | <p>The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled.</p> <p>Disqualification for at least one semester (forthcoming) in the concerned paper.</p> |

| | | |
|----|---|---|
| | possession or from his/her answer book. | |
| 5. | <p>a) Leaving the examination hall without delivering to the invigilator concerned the answer book or may part thereof or taking away the same or tearing it or otherwise disposing it of or tearing the answer-book of other candidate.</p> <p>b) Swallowing or attempting to swallow a note or paper or running away with it or causing its disappearance or destroying it in any manner.</p> <p>c) Smuggling an answer book of a continuation sheet or any part thereof in or outside the place of examination.</p> <p>d) Knowingly writing another student's Roll Number on one's answer book.</p> <p>e) Coming to the examination hall under the influence of alcoholic drink or drugs.</p> <p>f) Communicating or attempting to communicate, directly or through person, with an examiner with the object of influencing him / her in the award of marks.</p> | <p>The performance of the candidate in the said Theory / Practical Examination of the concerned paper to be cancelled.</p> <p>Disqualification for at least two semesters (forthcoming) in the concerned paper.</p> |
| 6. | <p>a) Misbehaving with the Centre Superintendent/invigilator or any other member of the Supervisory staff or any member of the inspection team or the flying squad, before, during or after the examination or creating disturbance in the examination hall or in its</p> | <p>All the ongoing Theory / Practical Examinations for the Semester to be cancelled.</p> <p>Disqualification for at least 2 semesters (forthcoming) for all Theory & Practical Examinations</p> |

| | | |
|--|---|--|
| | <p>vicinity or organizing a walk out; or instigating others to walk out; or mis-conducting oneself in any manner in or outside the examination hall or disturbing or disrupting the examination in any manner whatsoever; or carrying into the examination hall fire-arms or any other weapon.</p> <p>b) Using abusive or obscene language in the answer book.</p> <p>c) Repeating of offences of Category 5.</p> | |
| 7. | Getting oneself impersonated by any student of the Institute or someone in the examination or impersonating another candidate. | All the Theory / Practical Examinations for the ongoing Semester for both the candidates to be cancelled. Disqualification for at least four semesters (forthcoming) for all Theory & Practical Examinations. FIR to be lodged against the concerned students. |
| 8. | Anything not covered in the above guidelines. | To be decided by the Director upon the recommendations of the U.M.C. Committee. |
| Note: The Unfair Means Committee may reduce/increase the mentioned punishment depending upon the severity of the offence after thoroughly examining the case. | | |

6. The candidate can appeal against the decision of the Unfair Means Committee to the Director of the Institute within 15 days of the receipt of the copy of the decision, whose decision will be final.
7. The above UMC Rules will be applicable to all the Theory / Practical Examinations (Mid-Semester, End-Semester & Reappear).
8. **Convening of Committee on Unfair Means**

A Committee (Standing Committee) appointed by the Director shall enquire into cases of unfair means in Examination. Composition of the committee shall be:

| | |
|--|----------|
| 1. Dean (SW) | Chairman |
| 2. Professor nominated by Director | Member |
| 3. Faculty Incharge (Examination) | Member |
| 4. Subject expert of the Concerned Department to be nominated by HoD | Member |
| 5. Concerned Center Superintendent | Member |
| 6. Concerned Invigilator | Member |

The committee shall thoroughly examine the UMC cases on the basis of the material/documents placed and give hearing to the student and the concerned invigilator. It shall submit its recommendations after laying down clearly the nature of the offence to the Dean (Academic) for consideration and further necessary action.

PG.17. CONDUCT AND DISCIPLINE

- Each student shall conduct himself/herself in a manner befitting his/her association with an Institute of National Importance. He/she is expected not to indulge in any activity, which is likely to bring down the prestige of the Institute. He/she should also show due respect and courtesy to the teachers, administrators, officers, and employees of the Institute, and good neighborly behavior to fellow students. Due attention and courtesy are to be paid to visitors to the Institute and residents of the Campus.
- Ragging in any form is strictly prohibited and considered a serious criminal offense and a violation of the code of conduct. Involvement of a student in ragging may lead to his/ her expulsion from the Institute.
- The students are required to strictly follow a formal dress code within academic premises. Any violation of the code of conduct will lead to strict disciplinary action against the student(s).
- Any Public Display of Affection and engaging in private activities in academic areas, rest rooms, and poorly lit areas as well as anywhere on and around the NIT Kurukshetra campus, can make others feel uncomfortable and distract from the educational environment. Institute strongly discourages such type of activities. This will also be considered as a matter of indiscipline.

Disciplinary Action and Related Matters

a) Indiscipline

The DRC/ SRC (Chairman) of the respective Department/School shall have to inform to Dean (Students Welfare) regarding any Indiscipline with clear recommendations.

b) Stay at Hostel

The Dean (Students Welfare), Chief Warden, and Warden of a Hostel have the power to take a suitable measure against a student who violates either the Code of Conduct or rules and regulations pertaining to the concerned Hostel.

PG.18. SCHOLARSHIP/STIPEND

The award of scholarships to full-time stipendiary students and other benefits will be given in accordance with the rules framed by the Government of India.

PG.19. LEAVE RULES

The M.Tech students can avail the leaves in an academic year (1st July to 30th June) as given below:

- Casual Leaves 08
- Restricted Holidays 02
- Medical Leaves 10

These leaves will be non-cumulative and exhausted at the end of every academic year. The medical leave will be admissible only on the recommendations of the Sr. Medical Officer (SMO) of the Institute. The students will submit medical certificates duly certified by SMO for medical leave in the concerned department/school. HoD/Coordinator of school will approve the leave.

No summer/winter vacations are admissible for the M.Tech. (stipendiary) students.

PG.20. STIPEND CONTINUATION RULES

- The student shall obtain a 6.5 CGPA on a 10-point scale or 60 % marks in the current semester for the continuation of M.Tech. GATE scholarship in subsequent semesters. A relaxation of 0.5 CGPA or 5 % marks will be admissible to the students belonging to the SC/ST/PwD category.
- The GATE scholarship to the M.Tech. students will be restored from the start of the semester in which the student becomes eligible for a scholarship instead of restoring the scholarship from the date of declaration of the result of the student i.e. 1st of January or 1st of July, as the case may be.
- As an example, if the GATE scholarship of a student is stopped in 2nd semester due to re-appear or lesser CGPA in 1st semester (as per CCMT scholarship rules) and the

student clears the eligibility conditions in 2nd semester, the result of which is declared in the middle of 3rd semester, then the GATE scholarship of the student will be restored from the beginning of 3rd semester (i.e. 1st of July).

- Similarly, if the GATE scholarship of a student is stopped in 3rd semester due to re-appear or lesser CGPA in 2nd semester, and the student clears the eligibility conditions in 3rd semester, the result of which is declared in the middle of 4th semester, then the GATE scholarship of the student will be restored from the beginning of 4th semester (i.e. 1st of January).
- Further, if GATE scholarship of a student is stopped in 4th semester due to re-appear or lesser CGPA in 3rd semester (as per CCMT scholarship rules) and the student clears the eligibility conditions in the 4th semester, the result of which is declared in the middle of 5th semester, then the GATE scholarship of the student will never be restored.
- No scholarship will be provided by the Institute for the period of the Internship. However, the scholarship will be restored from the date of re-joining the Institute after completion of the internship till the date of submission of the dissertation or 30th June, whichever is earlier.

PG.21. ELIGIBILITY FOR THE AWARD OF PG DEGREE

A student becomes eligible for the award of the PG Degree when

- (i) credited all the core courses in the relevant PG curriculum within the stipulated time,
- (ii) acquired the category-wise minimum credits and activity points in the relevant PG curriculum,
- (iii) no dues to any departments/ sections of the Institute including hostels, and
- (iv) no disciplinary action is pending.

The award of the degree shall be recommended by the Senate and approved by the Board of Governors of the Institute.

PG.22. AMENDMENTS/RELAXATIONS

The procedures and requirements set out in the ordinances and regulations may be amended/relaxed in special circumstances by the Chairperson, Senate on the recommendation of a Committee framed time to time. All such exceptions are, however, reported to the Senate.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA KURUKSHETRA-136119

No.

Dated:

PROFORMA TO CONVERT THE REGISTRATION OF M.TECH. PROGRAMME FROM FULL-TIME TO PART-TIME

(Particulars to be filled in by the candidate in block letter and to be verified by
HoD/Coordinator)

**Passport
Photo
Attested by
HoD/School
Coordinator**

1. Name of the Department :
2. Name of the Candidate (English) :
- (Hindi) :
3. Father's Name (English) :
- (Hindi) :
4. Roll Number :
5. Specialization :
6. Date of Admission/Registration :
7. DPGC/SPGC Recommendation (Yes/No) :
8. Name of the Employer :
9. Tentative Date of Joining the Employer Office:
10. Name and Designation of Supervisor(s) :
-
11. Result Summary/Detailed Mark sheet:

| Examination | Passing Date printed on DMC | CGPA/SGPA | Remark |
|--------------|-----------------------------|-----------|--------|
| 1st Semester | | | |
| 2nd Semester | | | |
| 3rd Semester | | | |

12. I solemnly declare that all the particulars that have been filled in by me are correct. In case of any discrepancy found there subsequently at any stage, I shall be responsible for the consequences of the thereof.

Date.....

Signature of the Candidate

13. Certified that all particulars and attachments are checked and found correct:

- (a) Employer Offer Letter
- (b) Copies of 1st and 2nd Semesters DMCs
- (c) DPGC/SPGC minutes of respective Department/School

14. Note: -

1. Students must abide by the rules and regulations as decided by the Senate and notified vide letter no. Acad./2024/367 dated 04.03.2024.
2. Fellowship/Scholarship may be claimed as per attendance record and date of joining to the Employer Office.
3. Joining report to the Employer (hard copy/email) should be submitted in the Department/School and Academic Section within **Ten Days** from the date of issuing the letter from the Institute.
4. In case, the joining report is not received within the aforesaid period, a penalty of **Rs. 10000/-** will be imposed on the student.

Signature of Internal Supervisor
(with date)

Signature of Head of Department/School Coordinator
(with stamp and date)

Faculty Incharge (Academic)

Dean (Academic)



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA KURUKSHETRA-136119

No.

Dated:

PROFORMA FOR M.TECH. CANDIDATES FOR SUBMISSION OF THE DISSERTATION

(Particulars to be filled in by the candidate in block letters and to be verified by the
Supervisor)

**Passport
Photo
Attested by
HoD/School
Coordinator**

1. Name of the Department :
2. Name of the Candidate (English) :
(Hindi) :
3. Father's Name (English) :
(Hindi) :
4. Roll Number :
5. Specialization :
6. Date of Admission/Registration :
7. Last date for submission of Dissertation :
(Extension if any, with original letter) :
8. Title of the Dissertation (English) :
.....
(Hindi) :
.....
9. Name and Designation of Supervisor(s) :
.....
10. Results of all the semesters Exams already passed:

| Examination | Passing Date printed on DMC | CGPA/SGPA | Remark |
|--------------|-----------------------------|-----------|--------|
| 1st Semester | | | |
| 2nd Semester | | | |
| 3rd Semester | | | |

11. I (Name)..... Roll No student of M.Tech. in the Department/School of, with the specialization have passed my M.Tech.1st, 2nd, and 3rd semester Examinations. The requisite fee of Rs. 5000/- for evaluation of Dissertation/Internship/Project Work has been deposited vide Receipt No..... date (Receipt enclosed).

12. I solemnly declare that all the particulars that have been filled in by me are correct. In case of any discrepancy found therein subsequently at any stage, I shall be responsible for the consequences thereof.

Date.....

Signature of the Candidate

13. Certified that the candidate has worked on the dissertation and further certified that the Dissertation work is complete for submission.

- All particulars and attachments are checked and found correct.
 - (a) Copies of 1st to 3rd Semesters DMCs
 - (b) Undertaking form
 - (c) No Dues Certificate
 - (d) Receipt of dissertation submission fees
 - (e) Soft copy of the M.Tech. dissertation in PDF form
- Date of submission of Dissertation in Department/School (dd/mm/yyyy):/...../.....

**Signature of Internal Supervisor
(with date)**

14. The names of the Examiners were approved by the DPGC in its meeting held on vide letter no. dated

**HoD/Coordinator
(with date)**

Form: M.Tech.

UNDERTAKING

I (Name)..... Roll No student of
M.Tech. in the Department/School of, with
the specialization have deposited the fee for all the
semesters and also returned all the equipment before submission of M.Tech. Dissertation.

Date.....

Signature of the Candidate



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA
KURUKSHETRA-136119**

NO DUES CERTIFICATE

Name of the Student: _____, Roll No. _____,
Programme: _____, Branch/Specialization: _____, Semester: _____.

Date.....

Signature of the Candidate

Nothing is due against the above-mentioned student

1. HOD/Coordinator _____
2. Workshop Superintendent _____
3. Prof. I/c(Clubs) _____
4. Prof. I/c(NCC) _____
5. Warden, Hostel No.() _____
6. Prof. I/c(Sports) _____
7. Prof. I/c(CCN) _____
8. Faculty I/c (T&P) Cell _____
9. Librarian _____
10. Assistant/Deputy Registrar (Accounts) _____

The student is requested to submit the “No Dues Certificate” in the office of the Dean (Academic) by speed post, in-person, or through email at **academic@nitkk.ac.in**. The student must keep a photocopy of the same with him/her for future reference.

Performa - UMC-1**FORM FOR UNFAIR MEANS CASES**

| | | | |
|-----|----------------------------------|---|---------------------|
| 1. | Roll No. | : | _____ |
| 2. | Name of Student | : | _____ |
| 3. | Program/Branch/Specialization | : | _____ |
| 4. | Year of Admission | : | _____ |
| 5. | Venue of Examination (Centre---) | : | _____ |
| 6. | Date of Examination | : | _____ |
| 7. | Time | : | From _____ To _____ |
| 8. | Course Code | : | _____ |
| 9. | Course Title | : | _____ |
| 10. | Name of Invigilator(s) | : | _____ |

Details of Seized Material (Pl. Attach): All the material should be signed by the Invigilator of the Examination and the student. Mobiles confiscated shall be deposited with the Centre Superintendent.

| |
|----|
| 1. |
| 2. |
| 3. |

Statement of Student:

| |
|--|
| Signature of Student |
|--|

Date _____ Time _____

Statement of Invigilator: (Record circumstances of offences in brief. The statement should be definite and unambiguous.

| |
|--|
| |
|--|

Certified that the statement by the student was made in my presence or the student declined to give any statement. (Cut whichever is not applicable)

Name: _____ Signature of Invigilator Date: _____ Time _____

Name: _____ Signature of Center Superintendent Date: _____ Time _____

S 54.05 To consider the proposal to organize M.Tech. viva voce examination at department level.

The Senate in its 36th meeting held on 21.9.2019 vide agenda item no. S 36.06 approved the proposal to conduct end semester PG examinations at the departmental level from Academic Year 2019-20 onwards. Presently, the PG examinations are being conducted at the departmental level. But M.Tech. viva-voce exam. is conducted in the department only after the approval of the examiners' list by the Academic Section. It is proposed that the M.Tech. viva voce examination may be organized by HoD/Coordinator at the department/school level. The guidelines for conducting the M.Tech. viva-voce will be notified by the Academic Section.

The Senate may consider and decide.

To consider the proposal to increase the number and amount of Merit Scholarships.

The Finance Committee in its 6th meeting held on 14.12.2005 vide agenda item no. 6.6 recommended that there will be 15 Merit Scholarships for each year and value of each merit scholarship will be Rs. 3,000/- per student. The expenditure will be met out of the Head "Scholarship". These recommendations were ratified by the Board of Governors in its 9th meeting held on 25.2.2006. Further, the Finance Committee in its 11th meeting held on 21.3.2007 recommended to the Board that the number of scholarship be increased proportionately from 15 to 21 as the number of Engg. Disciplines increased from five to seven. The Board of Governors in its 13th meeting held on 30.6.2007 ratified the decision of the Finance Committee. The Senate in its 10th meeting held on 29.11.2007 re-considered merit scholarship on CGPA basis instead of SGPA basis.

At present, total 84 merit scholarships are being given to all 4 year students of all seven branches based on the performance in 1st semester, 1st + 2nd semester, 3rd + 4th semester and 5th + 6th semester. Now, the number of UG disciplines have been increased. There are total 15 UG disciplines. Three UG programmes have been started from AY 2023-24 and five UG programmes have been started in AY 2024-25. Therefore, it is proposed to increase the number and amount of Merit Scholarships.

The Senate may consider and decide.

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- Item 6.5 To consider retention of surplus amount out of Common Engineering Entrance Test conducted by the Institute for the year 2002.**

The Finance Committee recommended to the Board of Governors that the surplus amount on account of Common Engineering Entrance Test 2002 be not deposited with the State Government due to the reason that at the time of taking over the full financial and administrative control of the Institute w.e.f. 1.4.2003 the Central Government is responsible for all assets and liabilities of the erstwhile Regional Engineering College, Kurukshetra. It was further decided that the amount earned from the CEEI be utilized for the development of the Institute.

- Item 6.6 To consider change of nomenclature of the College Development Fund (Students) to the Institute Development Fee (Students) and the Students Fund to the Students Activity Fee.**

While discussing the above item, the Finance Committee suggested that fee structure of Undergraduate and Postgraduate Courses be revised to generate more revenue for the Institute. The representative of the Director (Finance), Integrated Finance Division, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, New Delhi suggested to revise the Fee Structure as under:

| Sr. No. | Head of Account | Undergraduate Courses | | Postgraduate Courses | | Remarks |
|---------|---|-----------------------|--------------|----------------------|--------------|--|
| | | Figures in Rupees | | | | |
| | | Existing | Proposed | Existing | Proposed | |
| 1 | Tuition Fee | | | | | |
| (a) | All students | 5000/- p.a. | 17000/- p.a. | 3000/- p.a. | 15000/- p.a. | To be charged in two |
| (b) | Sponsored students | | | 10000/- p.a. | | installments |
| 2 | Students related activity fee | 5500/- p.a. | 6000/- p.a. | 5500/- p.a. | 6000/- p.a. | do |
| 3 | Seat Rent | | | | | |
| | Single Seater | 3500/- p.a. | 6000/- p.a. | 3500/- p.a. | 6000/- p.a. | do |
| | Double Seater | 2500/- p.a. | 4000/- p.a. | 2500/- p.a. | 4000/- p.a. | |
| | Triple Seater | 1500/- p.a. | 2000/- p.a. | 1500/- p.a. | 2000/- p.a. | |
| 4 | Contribution towards Corpus Fund (D.D.) | 4000/- p.a. | 10000/- | 4000/- p.a. | 8000/- | To be charged at the time of admission in the 1st year |
| 5 | Institute Security (Refundable) | 2000/- | 4000/- | 3000/- | 5000/- | do |

Further proposal for Merit Scholarship is also as under:

There will be 15 Merit Scholarship for each year and the value of Merit Scholarship will be in Rs. 3000/- per student. The expenditure will be met out from the head scholarship.

(Signature)

The criteria for the award of Merit Scholarship will be as under:

| <u>Eligibility Condition</u> | <u>Basis of award</u> |
|--|---|
| <u>For First Year</u> | <u>For First year</u> |
| First Class or 60% or more marks in one attempt in the qualifying examination for admission. | Marks secured in first semester examination |
| <u>For subsequent years</u> | <u>For subsequent years</u> |
| 60% or more marks in one attempt in each of the two semester examinations in the previous year | Marks secured in the aggregate in the two semesters examination in the previous year. |

The present system of exemption from Tuition Fee will be dispensed with automatically. The first year 15-topper students will be awarded Merit Scholarship and the remaining years 3 students of each discipline will be awarded Merit Scholarship along with a merit certificate.

The above revised proposed fee structure will be applicable from the academic session 2006-2007.

Item 6.7 To consider the revision in the rates for private use of Institute Vehicles.

The Finance Committee recommended to the Board of Governors that the rates for private use of Institute vehicles as furnished in the Agenda Item be approved.

Item 6.8 To consider filling up the post of Assistant Registrar (Acs.) on deputation.

The Finance Committee recommended to the Board of Governors that a post of Assistant Registrar (Accounts.) be filled up on deputation basis from the Accountant General (A&T) Haryana, Chandigarh from amongst the Assistant Audit Officers Assistant Accounts Officers as per their terms and conditions.

Item 6.9 To consider the payment to the Institute standing Counsels for providing legal advice in various matters.

The Finance Committee suggested that legal fee of the standing counsels at Kurukshetra be enhanced to the extent of Rs. 300/- per case. The Finance Committee did not agree to make payment of separate fee for seeking advice from the legal counsels at Kurukshetra.

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Item 11.10: To consider increase in the number of Merit Scholarships.

The Finance Committee in its 6th meeting held on 14.12.2005 vide item No. 6.6 recommended that there will be 15 Merit Scholarships for each year and value of each merit scholarship will be Rs. 3,000/- per student. The expenditure will be met out of the Head "Scholarship". These recommendations were ratified by the Board of Governors in its 9th meeting held on 25.2.2006.

The criteria for awarding the scholarship was also specified which reads as under:

"The present system of exemption from Tuition Fee will be dispensed with automatically. The 1st year 15 topper students will be awarded Merit Scholarship and during the remaining years, 3 students of each discipline will be awarded Merit Scholarship along with a Merit Certificate."

The above decision was taken with the background of five Engineering Disciplines (5x3=15). However, from the Academic Session 2006-07 the number of Engineering Disciplines has increased from five to seven by the inclusion of 'Information Technology & Industrial Engineering Management'.

In view of the above position, it is requested that the number of scholarships may be increased proportionately from 15 to 21.

Finance Committee may consider and approve the above proposal.

Item 11.8: To consider the reimbursement of medical expenses of Sh. Sirta Ram, Beldar, Electronics Engg. Department.

The Finance Committee recommended to the Board that the reimbursement claim of Sh. Sirta Ram, Beldar, Electronics Engg. Department be admitted to the tune of Rs. 1,72,894/-.

Item 11.9: To consider the reimbursement of medical expenses of Late Sh. R.K. Arora, Ex-Finance Officer.

The Finance Committee recommended to the Board that the reimbursement claim of Mrs. Usha Rani W/o Late Sh. R.K. Arora, Ex-Finance Officer be admitted to the tune of Rs. 1,81,649/-.

Item 11.10: To consider increase in the number of Merit Scholarships.

The Finance Committee recommended to the Board that the number of scholarships be increased proportionately from 15 to 21 as reported in the agenda item.

Item 11.11: To note reduction in Programme Life Allocation under TEQIP.

The Finance Committee approved the revised Programme Life Allocation under TEQIP as per details mentioned in the agenda item.

Item 11.12: To consider enhancement of Staff Welfare Fund.

The Finance Committee recommended to the Board to enhance the amount of Staff Welfare Fund from Rs. 50,000/- to Rs. 1,00,000/-. Further it was desired by the Finance Committee that desirability for implementation of Group Insurance Scheme in the Institution may be explored and necessary proposal in this regard may be placed before the FC in its next meeting.

Item 11.13: To consider and ratify the minutes of 8th meeting of the Building & Works Committee of National Institute of Technology, Kurukshetra held on 28.05.2007.

The Finance Committee recommended to the Board that the minutes of 8th meeting of the Building & Works Committee of NIT, Kurukshetra held on 28.5.2007 be

S 54.07 To consider and decide the refund policy of fee for Ph.D. students.

At present, there is a refund policy of fee for students of UG and PG programmes. The students who withdraw their seat after taking admission in the Institute, they are refunded some amount of fee as per refund policy approved by the Senate and BoG accordingly. The refund policy for UG & PG programmes is attached as Annexure S 54.07.

Now, it is proposed that on the pattern of UG & PG programmes' refund policy, the refund policy of fee for Ph.D. students may also be framed.

The Senate may consider and decide.

Refund Rules of the institute (for B.Tech. programmes)

| No. of days from start of academic session or date of admission whichever is later to the date of withdrawal of admission | Deduction of Amount |
|---|------------------------------|
| 3 days | Rs. 1000/- |
| 4 to 12 days | Rs.3000/- |
| 13 to 30 days | Rs. 7500/- |
| 30 days or more | Only security to be refunded |

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. Acad./2024/

Dated:

The refund rules of the Institute are mentioned below:

(a) (M.Tech., M.Sc., MCA Regular Seats)

| No. of days from start of academic session or date of admission, whichever is later, to the date of withdrawal of admission | Deduction of Amount |
|---|------------------------------|
| Upto 3 days | Rs. 1000/- |
| 4 to 12 days | Rs. 3000/- |
| 13 to 30 days | Rs. 7500/- |
| 31 days or more | Only security to be refunded |

(b) (M.Tech., M.Sc., MCA Self-Financed Seats)

| No. of days from start of academic session or date of admission, whichever is later, to the date of withdrawal of admission | Deduction of Amount |
|---|-------------------------------|
| Upto 3 days | Rs. 1000/- |
| 4 to 15 days | Rs. 10,000/- |
| 16 to 30 days | Rs. 16,000/- |
| Upto 45 days | Rs. 25,000/- |
| After 45 Days | Only security to be refunded. |

S 54.08 To consider the proposal to start minor degree courses in PG & Ph.D. programmes.

The Senate in its 52nd meeting held on 12.02.2024 vide agenda item no. S 52.12 approved the minor degree courses in all departments. The scheme of minor degree courses of different departments were approved in 53rd meeting of the Senate held on 10.07.2024 vide agenda item no. S 53.07. Now, it is proposed to start minor degree courses in PG & Ph.D. programmes also. Any student pursuing PG/Ph.D. degree in any discipline has the opportunity to apply for one of the minor degree course provided by the Institute simultaneously with their respective curriculum.

The Senate may consider and decide.

S 54.09 To consider and decide the total no. of credits of UG & PG programmes in line with NEP 2020.

The Senate in its 50th meeting held on 25.07.2023 vide agenda item no. S 50.07 approved the approved the revised scheme and syllabi of B.Tech. 1st & 2nd years with minor modifications and its 53rd meeting held on 10.07.2024 vide agenda item no. S 53.07 approved the revised scheme and syllabi of B.Tech. 3rd & 4th years. In line with NEP 2020, total no. of credits 160 were decided for B.Tech. scheme, as given below:

| Sr. No. | Category | No. of credits |
|--------------|-----------------------|----------------|
| 1. | Institute Core (IC) | 45 |
| 2. | Program Core (PC) | 48 |
| 3. | Program Elective (PE) | 36 |
| 4. | Open Elective (OE) | 20 |
| 5. | Audit (AU) | 11 |
| Total | | 154-160 |

Total no. of 160+6 credits is required to obtain the degree. The students should have the privilege to drop 06 credits of the total credits where the course having less credits. For PG programmes, total no. of 80-83 credits are proposed. The students should have the privilege to drop 03 credits of the total credits. Accordingly, the scheme and syllabus of PG programmes need to be revised.

The Senate may consider and decide the total no. of credits of UG & PG programmes.

S 54.10 To consider the scheme & syllabi of two minor degree courses in Chemistry Department.

The scheme & syllabi of following two minor degree courses in Chemistry Department duly approved by BoS meeting held on 10.9.2024 vide letter no. CH/24/1910 dated 12.09.2024 has been received in Academic Section:

- (1) Materials for Green Technology
- (2) Bio-chemical Engineering

The scheme and syllabi of above two minor degree courses are attached as Annexure S 54.10.

The Senate may consider.

**DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
KURUKSHETRA- 136119**



Prof. Minati Baral
Head of the Department

No.CH/24/1910
Dated: 10.09.2024

Minutes of the Meeting of Board of Studies in Chemistry held on 10.09.2024.

A meeting of Board of Studies was held on 10.09.2024 (Tuesday) at 11:30 a.m. in the office of the undersigned. The following members were present:

- | | |
|------------------------------|---------------------------------|
| 1. Prof. (Mrs.) Minati Baral | In Chair |
| 2. Prof. M.R. Maurya | External Member (Joined online) |
| 3. Prof. Ramesh L. Gardas | External Member (Joined online) |
| 4. Prof. J.K. Kapoor | Internal Member |
| 5. Dr. R.K. Tittal | Internal Member (Joined online) |
| 6. Dr. Amilan Jose D. | Internal Member |

Dr. Chetti Prabhakar could not attend the meeting being on leave.

The following faculty members were present as special invitees:

1. Dr. Ghule Vikas D.
2. Dr. Avijit Kumar Paul

At the very outset Chairman BOS welcomed all the members and started proceedings of the meeting. Following agenda items were discussed and decisions taken as under:

1. To confirm the minutes of the meeting of BOS held on 11.07.2023 (minutes have already been circulated to all concerned vide letter No. CH/23/761 dated 15.07.2023).

Minutes Confirmed

2. To discuss and recommend the Scheme and Syllabi of the courses to be offered by the Chemistry Department for Minor Degree in "Materials for Green Technology" for B. Tech. Program with effective from current Academic Year 2024-25.

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The revised ^{copy of} Scheme and Syllabi of the courses for Minor Degree in "Materials for Green Technology" for B. Tech. Program were approved.

3. To discuss and recommend the Scheme and Syllabi of the courses to be offered by the Chemistry Department for Minor Degree in "Bio-Chemical Engineering" for B. Tech. Program with effective from current Academic Year 2024-25.

The revised ^{copy of} Scheme and Syllabi of the courses for Minor Degree in "Bio-Chemical Engineering" for B. Tech. Program were approved.

No other item was taken up for discussion.

The meeting ended with a vote of thanks.

(Amilan Jose D.)
Member

(R. K. Tittal)
Member

(J. K. Kapoor)
Member

(Ramesh L. Gardas)
Member

(M.R. Maurya)
Member

(Minati Baral)
Chairman BOS

Copy to

Dean (Academics)

**DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
KURUKSHETRA 136 119**

No.CH/24/ 19//

Dated: 10/09/2024

Name of the Department: Chemistry

Name of the Minor Degree: Materials for Green Technology

| Sr. No. | Course Code | Course Name | L-T-P | Credits | Semester | Allowed Branches* | No. of Seats |
|---------|-------------|---------------------------------------|-------|---------|----------|-------------------|--------------|
| 1. | CHMC301 | Green Chemistry and Technology | 3-0-0 | 3 | V | All Branches | 40 |
| 2. | CHMC302 | Catalysis | 3-0-0 | 3 | VI | All Branches | 40 |
| 3. | CHMC401 | Renewable Energy Technology | 3-0-0 | 3 | VII | All Branches | 40 |
| 4. | CHMC402 | Advanced Instrumentational Techniques | 3-0-0 | 3 | VIII | All Branches | 40 |

*Enrolling students must have studied one Chemistry paper in B. Tech first year.


(Minati Baral)
HOD

To
Dean (Academic)

Materials for Green Technology

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-301 | | | |
| Course Title | : | Green Chemistry & Technology | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To provide basic knowledge of green chemistry and technology.
- To understand the principles of green chemistry and eco-friendly methodologies.
- To create awareness of real-world green solutions and cleaner development mechanisms.
- To provide strategic knowledge for designing environmentally sustainable processes and products.
- To develop concepts on various energy-efficient systems and green buildings.

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|--|----------|
| Unit 1 | Introduction to Green Chemistry & Technology Twelve principles of Green Chemistry, the importance of Green Technology, and factors affecting green technology. Role of industry, government and institutions; industrial ecology, role of industrial ecology in green technology. | 8 |
| Unit 2 | Real-world Green Chemistry solutions Synthesis of Ibuprofen (Atom economy and green synthesis); Designing an environmentally safe marine antifoulant (fouling problems, replacement for tin compounds, bioavailability and accumulation); New insecticides that are relatively non-toxic; (mode of action of traditional insecticides, toxic to all species, molting hormone mimics give species selectivity, much less toxic) | 10 |
| Unit 3 | Energy-efficient systems and processes Energy efficient motors, bio-fuels, power-petrol, fuel cells- working, selection of fuels, Green manufacturing systems, selection of environment-friendly materials. Fundamental planning for energy efficient building- site selection, building forms and orientations, building fabrics and insulation, ventilation, passive solar features. Ecofriendly and cost effective materials, Energy management, roof top solar photovoltaic system and solar tracking system, alternating roofing systems. | 10 |



| | | |
|---------------|--|-----------|
| Unit 4 | Green Techniques & Technologies Green methods of synthesis: Microwave-assisted synthesis, solvent-free techniques. Technologies based on renewable sources: bio-refinery, biomass, solar power, fuel cells, etc. Other alternative economic green technologies. Hydrogen economy and syngas economy, photochemical reactions, chemistry using microwaves, sonochemistry, electrochemical synthesis, approach to green chemical industry. | 12 |
|---------------|--|-----------|

Reference Books:

1. R. Sanghi, Ed., Green chemistry: environment friendly alternatives, Alpha Science International Ltd, Panbourn, England, 2003.
2. P. L. Bishop, Pollution prevention: fundamentals and practice, Waveland Press, Long Grove, Illinois, 2004.
3. J. H. Clark and D. Macquarrie, Eds., Handbook of Green Chemistry and Technology, Wiley, 1st edn., 2002.
4. S. A. Dake, R. S. Shinde, S. C. Ameta and A. K. Haghi, Eds., Green Chemistry and Sustainable Technology: Biological, Pharmaceutical, and Macromolecular Systems, Apple Academic Press, Includes bibliographical references and index., 1st edn., 2020.
5. T. Savitskaya, I. Kimlenka, Y. Lu, D. Hrynshpan, V. Sarkisov, J. Yu, N. Sun, S. Wang, W. Ke and L. Wang, Green chemistry: process technology and sustainable development, Springer, Singapore, 2021.

Course Outcomes:

At the end of the course, students will be able to:

| | |
|-------------|--|
| CO-1 | Realize the importance of Green Chemistry and Technologies for the sustainable growth of Industry and society. |
| CO-2 | Adopt alternative methods, tools, and techniques for green synthesis. |
| CO-3 | Develop cleaner production and treatment mechanisms. |
| CO-4 | Design and implement the most suitable energy-efficient processes for a sustainable environment. |
| CO-5 | Plan and use of selective renewable materials for green buildings. |

[Signature]

[Signature]

Materials for Green Technology

B. Tech. Minor Degree Program (2024-25 onwards)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC302 | | | |
| Course Title | : | Fundamentals and Applications of Catalysis | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Objectives:

The objective of the course is to:

- Provide the students with an advanced learning in Catalysis.
- Impart knowledge of the principles, mechanisms and applications of different types of catalysts that operate both in homogeneous and heterogeneous phase.
- Provide knowledge on some of the cutting-edge research in catalysis.
- Equip students to meet the new challenges for sustainable development.

Detailed Syllabus

| Unit (s) | Course Description | L (Hrs.) |
|----------|---|----------|
| Unit 1 | Fundamentals: Introduction of homogeneous and heterogeneous catalysis. Catalyst - activation energy concept; types of catalysis: comparison and mechanism of homogeneous & heterogeneous catalysis; enzyme catalysis; green catalysis; nano catalysis; autocatalysis; phase transfer catalysis; Introduction and examples of promoters, poisons. | (10 L) |
| Unit 2 | Homogeneous Catalysis: Important terms involved in homogeneous catalysis such as turn over number (TON) and turn over frequency (TOF). Industrial applications of homogeneous catalysis: Olefin polymerization (Ziegler-Natta Catalysts), Olefin hydrogenation (Wilkinson catalyst), hydroformylation reaction, Monsanto acetic acid process, Cativa process. | (10 L) |
| Unit 3 | Heterogeneous Catalysis: Important terms involved in heterogeneous catalysis such as adsorption isotherms, surface area, pore size, and porous solids. Industrial applications of heterogeneous catalysis: use of zeolites in refinery industries, model catalysts, | (10 L) |

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|---------------|--|---------------|
| | ammonia synthesis using Haber process, hydrogenation of carbon monoxide, hydrocarbon conversion, selective catalytic reduction, polymerization | |
| Unit 4 | Photocatalysis Introduction to Photocatalysis; porphyrins; phthalocyanines and semiconductor as photo catalysts in photolysis reactions; generation of hydrogen by photo catalysts; photocatalytic break down of water and harnessing solar energy; photocatalytic degradation of dyes and environmental applications. | (10 L) |

Reference Books:

1. R.H. Crabtree, *The organometallic chemistry of the transition metals*, Wiley Publications, 6th Edition, 2014.
2. B.D. Gupta and Anil J. Elias Basic, *Organometallic Chemistry: Concepts, Syntheses and Applications of Transition Metals*, Universities Press, 2010.
3. D.K. Chakrabarty, B. Viswanathan, *Heterogeneous Catalysis*, New Age Science, 2008.
4. B. Viswanathan, S. Kannan, R.C. Deha, *Catalysts and Surfaces: Characterization Techniques*, Alpha Science, 2010.
5. M. Kaneko and I. Okura, *Photocatalysis: Science and Technology*, Springer, 2003.
6. M. Thomas, W.J. Thomas, *Principles and Practice of Heterogeneous Catalysis*, Wiley-VCH, 1997.

Course Outcomes:

At the end of the course, the student will be able to:

| | |
|-------------|---|
| CO-1 | Understand the concepts of homogeneous and heterogeneous catalysis |
| CO-2 | get an overall view of the main scientific research lines in catalysis. |
| CO-3 | understand the importance in the development of new catalytic processes. |
| CO-4 | Students will also learn the art of the design of new catalysts and the optimization of catalytic processes, which are key steps in the development of sustainable chemical processes through the efficient use of scarce natural resources and energy. |

Materials for Green Technology

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-401 | | | |
| Course Title | : | Renewable Energy & Technology | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Objectives: The objective of the course is to:

- To understand energy scenario, energy sources and their utilization.
- To study the principles of renewable energy conversion systems.
- To explore society's present needs and future energy demands.
- To expose to energy conservation methods.

Detailed Syllabus

| Unit | Course Description | L (Hrs.) |
|------|---|----------|
| 1 | Energy Basics Energy and society, types of energy, principles of basic electricity, renewable energy, advantages and disadvantages, economics, climate change, growth, solutions, Indian energy sector, contribution of renewable energy to India's energy future. | 10 |
| 2 | Sun and Wind as Power Source Photovoltaics-Introduction, history of solar energy utilization, types of solar energy technologies, photovoltaic basics, advancement in solar technologies, advantages and limitations, environmental issues. Wind energy-Introduction, windmills, wind turbines and types, turbine component, future of wind power, advantages and limitations | 10 |

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|---|--|----|
| 3 | Energy reserves from Biomass and Water Bioenergy-Introduction, biomass, composition and sources of biomass, processing, biogas energy, anaerobic digestion and applications, biofuels. Hydropower-Introduction, basic energy conversion principle, types of hydropower technologies, ocean energy, advantages and limitations. | 10 |
| 4 | Energy from Depths and New Technologies Geothermal energy-Introduction, types of geothermal energy technologies, dry steam power plants, flash steam power plants, binary cycle power plants, applications of geothermal energy, associated problems. Fuel cells-Introduction, classification and types of fuel cells, components, applications. | 10 |

References:

1. R. Ehrlich, H. A. Geller, J. R. Cressman, Renewable Energy-A First Course, CRC Press, 3rd Edition, 2022.
2. A. F. Zobaa, R. C. Bansal, Handbook of Renewable Energy Technology, World Scientific, 1st Edition, 2011.
3. V. C. Nelson, K. L. Starcher, Introduction to Renewable Energy, CRC Press, 2nd Edition, 2015.
4. M. Kanoglu, Y. A. Cengel, J. M. Cimbala, Fundamentals and Applications of Renewable Energy, McGraw Hill LLC, 1st Edition, 2021.
5. F. R. Spellman, The Science of Renewable Energy, CRC Press, 2nd Edition, 2016.
6. S. T. Revankar, P. Majumdar, Fuel Cells: Principles, Design, and Analysis, CRC Press, 1st Edition, 2014.

Course outcomes: At the end of the course, the student will be able to:

| | |
|------|---|
| CO-1 | Describe the environmental aspects of renewable energy resources. In comparison with various conventional energy systems, their prospects and limitations. |
| CO-2 | Describe the use of solar energy and the various components used in the energy production with respect to applications like-heating, cooling, desalination, power generation. |
| CO-3 | Understand the conversion principles of wind, tidal and ocean thermal energy conversion. |
| CO-4 | Understand the concept of biomass energy resources and green energy. |






Materials for Green Technology

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|--------|
| Course Code | : | CHMC- 402 | | | |
| Course Title | : | Advanced Instrumentational Techniques | | | |
| Number of credits | : | L | T | P | Credit |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To introduce the principle and instrumentation of different analytical techniques.
- To elucidate the molecular structure using the modern instrumental analysis.
- To find out the concentration of the sample and impurities present in the materials.
- To obtain precise and comprehensive data about various materials, from pharmaceuticals to environmental samples.

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|---|----------|
| Unit 1 | Statistical Data Analysis and Sampling Techniques Precision, Errors, statistical tools, linear regression analysis, limit of detection, sampling: sample contamination, transport and storage, new green approaches to reduce sample losses and sample stabilization. | 10 |
| Unit 2 | Modern Analytical Tools & Techniques: Basic principle, Instrumentation and applications of Molecular spectroscopy: FT-IR, Raman spectroscopy, UV-Visible: Lambert's-Beer Law, luminescence: Florescence and Phosphorescence, Grotthuss- Draper law, Radiative and non- radiative processes, inter-state crossing; Introduction to Nuclear Magnetic Spectroscopy, Overview of modern microscopic tools like SEM, TEM, STM, AFM. | 12 |
| Unit 3 | X-Ray, Mass and Thermal Analysis Introduction, basic principle, Instrumentation and applications : X-Ray Diffractometer, Mass Spectrometry, Thermal Analysis (TGA, DTA and DSC). | 10 |
| Unit 4 | Separation Science and Electroanalytical Techniques: Introduction to Chromatographic Techniques: TLC, liquid and gas chromatography; Electroanalytical Techniques: Potentiometry and probes, Analytical voltammetry. | 8 |

Reference Books:

1. Douglas A. Skoog, F. James Holler, Stanley R. Crouch, Principles of Instrumental Analysis, Seventh Edition, 2018
2. Douglas A. Skoog, Donald M. West, F. James Holler, Stanley R. Crouch, Fundamentals of Analytical Chemistry, Tenth Edition, 2022.
3. Thomas J. Bruno, James W. Robinson, Eileen M. Skelly Frame, and George M. Frame II, Undergraduate Instrumental Analysis, Eighth Edition, 2024.
4. William Kemp, Organic Spectroscopy, 3rd Edition, Macmillan, 2009.

Course Outcomes:

At the end of the course, students will be able to:

| | |
|------|--|
| CO-1 | understand the techniques and principles of different modern analytical instruments. |
| CO-2 | reveal the molecular structure through experimental findings and interpretation of data. |
| CO-3 | determine the concentration accurately and detect impurities, and separation. |
| CO-4 | handle sampling properly to produce results with accuracy, know about data compilation. |



DEPARTMENT OF CHEMISTRY
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
KURUKSHETRA 136 119

No.CH/24/1712

Dated: 10/09/2024

Name of the Department: Chemistry

Name of the Minor Degree: Bio-Chemical Engineering

| Sr. No. | Course Code | Course Name | L-T-P | Credits | Semester | Allowed Branches* | No. of Seats |
|---------|-------------|---|-------|---------|----------|-------------------|--------------|
| 1. | CHMC311 | Fundamentals of Nano Biochemical Technology | 3-0-0 | 3 | V | All Branches | 40 |
| 2. | CHMC312 | Bio-Chemical Separation Technology | 3-0-0 | 3 | VI | All Branches | 40 |
| 3. | CHMC411 | Industrial Biotechnology | 3-0-0 | 3 | VII | All Branches | 40 |
| 4. | CHMC412 | Biochemical Waste Treatment | 3-0-0 | 3 | VIII | All Branches | 40 |

*Enrolling students must have studied one Chemistry paper in B. Tech first year.

(Minati Baral)
HOD

To
Dean (Academic)

Bio-Chemical Engineering

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-311 | | | |
| Course Title | : | Fundamentals of Nano-Biochemical Technology | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To provide basic knowledge of Nanoscience .
- To understand the principles of Nanomaterial synthesis .
- To create awareness on the applications of Nanoscience and technology .
- To provide strategic knowledge on the safety aspects of nanomaterials

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|--|----------|
| Unit 1 | Introduction: Overview, history and background, importance of nanotechnology in modern science. Classifications of nanomaterials - Zero dimensional, one-dimensional and two-dimensional nanostructures. | 6 |
| Unit 2 | Modern Analytical Tools & Techniques: Overview of modern microscopic tools like SEM, TEM, STM, AFM, and Confocal Microscopy. Overview of types of Spectroscopies like UV-Vis, Fluorescence and phosphorescence, IR, and Raman spectroscopy. | 12 |
| Unit 3 | Nanomaterial Synthesis: Basic physics and Chemistry of nanomaterials. Types of synthetic routes, Top-down and Bottom-up techniques. Solvothermal synthesis, Photochemical synthesis, Electrochemical synthesis, Nanocrystals of semiconductors and other materials by arrested precipitation, Thermolysis routes, Liquid-liquid interface, Solvated metal atom dispersion, Post-synthetic size-selective processing. Solgel, Micelles and microemulsions. | 10 |
| Unit 4 | Nanomaterial Applications: Application of nanomaterials in the field of electronics, composites, catalysis, and ceramics. Biomaterials, Uses in biosensors, drug delivery, and gene therapy. Safety aspects: Nanoparticle related Health and safety issues, ethical, legal and social implications, environmental issues | 12 |

Reference Books:

1. Jain K.K, Nanobiotechnology in Molecular Diagnostics – Current Techniques and Applications, Taylor and Francis Publications 2006. 2nd edition
2. Christof M. Niemeyer (Editor), Chad A. Mirkin (Editor), Nanobiotechnology: Concepts, Applications and Perspective, Wiley VCH. 1st edition, 2004
3. Chad A Mirkin and Christof M. Niemeyer, Nanobiotechnology - II more concepts and applications. Wiley VCH. 1st edition, 2007
4. Tuan Vo-Dinh, Nanotechnology in Biology and Medicine: Methods, Devices, and Applications. CRC Press 2nd edition, 2017

Course Outcomes:

At the end of the course, students will be able to:

| | |
|------|--|
| CO-1 | Deal with problems arising in Nanoscience, like optimization and dynamics of materials. |
| CO-2 | Adopt alternative methods, tools, and techniques for nano synthesis. |
| CO-3 | Scientific understanding of application of nanomaterials and nanotechnology in agriculture, health and environmental conservation. |
| CO-4 | Plan and use of selective nano-materials for real life application. |

The block contains three handwritten signatures and a circular official stamp. The signatures are in dark ink and appear to be of different individuals. The stamp is partially visible and contains some illegible text.

Bio-Chemical Engineering

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-312 | | | |
| Course Title | : | Bio-Chemical Separation Technology | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To Understand the process for solid-liquid separation
- Understand principles and techniques for primary separation methods.
- Understand various purification methods.
- Understand various primary isolation techniques

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|--|----------|
| Unit 1 | Basic Concepts Basic concepts of Bio-separation Technology: Separation characteristics of proteins and enzymes – size, stability, properties; purification methodologies; Characteristics of byproducts; | 8 |
| Unit 2 | Flocculation and conditioning of broth: overview of reaction processes involved Mechanical separation processes; Filtration at constant pressure and at constant rate; empirical equations for batch and continuous filtration, centrifugal and cross-flow filtration; Centrifugation: basic principles, design characteristics; ultracentrifuges:: principles and application; Crystallization and drying: principles and applications. | 10 |
| Unit 3 | Techniques involved in Separation Processes: Foam-fractionation; Solvent extraction of bio-processes, aqueous two-phase extraction, adsorption-desorption process; Salt precipitation; Chromatographic separation: Adsorption chromatography, ion-exchange chromatography, gel filtration chromatography, affinity chromatography, high-pressure liquid chromatography, hydrophobic chromatography; their preparation and uses, Electrophoresis SDS-PAGE (Polyacrylamide Gel), horizontal and vertical type, methods, and case studies. | 10 |
| Unit 4 | Membrane-based separation processes: Micro-filtration, Reverse osmosis, Ultrafiltration and affinity ultrafiltration, | |



| | | |
|--|--|----|
| | concentration polarization, rejection, flux expression, membrane modules, dead-ended and cross-flow mode, material balances and numerical problems, biological applications. | 12 |
|--|--|----|

Reference Books:

1. Michael Shuler and Fikret Kargi. "Bioprocess Engineering: Basic Concepts", 2nd Edition, Prentice Hall, and Englewood Cliffs, NJ, 2002.
2. Pauline Doran. "Bioprocess engineering principles", Academic Press, 1995.
3. Colin Ratledge, Bjorn Kristiansen, "Basic Biotechnology", 2nd Edition, Cambridge University Press, 2001.
4. Roger Harrison et al., "Bioseparation Science and Engineering", Oxford University Press, 2003.
5. Harrison R.G. Todd P., Rudge S.R. "Bioseparation Science and Engineering", Oxford Press 2003

Course Outcomes:

At the end of the course, students will be able to:

| | |
|------|--|
| CO-1 | Understand the solid-liquid separation |
| CO-2 | Get knowledge of primary separation methods. |
| CO-3 | Various purification methods to separate the biological and chemical samples. |
| CO-4 | Get job opportunities in biotechnology, chemical engineering, food engineering, and pharmaceutical industries. |

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Bio-Chemical Engineering

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-411 | | | |
| Course Title | : | Industrial Biotechnology | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To provide basic knowledge of Biotechnology application
- To understand the principles of Microbes in agriculture and food industry
- To create awareness of the bio chemical Process technology.
- To provide strategic knowledge on the enzymes and speciality chemicals

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|--|----------|
| Unit 1 | Introduction to Industrial Biotechnology: Overview of fermentation; solid and submerged fermentation, culture techniques batch, fed-batch and continuous; strain improvement, media optimization and types of industrial fermenter. Primary and secondary metabolites. | 10 |
| Unit 2 | Microbes in agriculture and food industry: biofertilizers and biopesticides, SCP, microbial production of wine, beer and vinegar; biopreservatives (Nisin), cheese, biopolymers (xanthan gum, PHB etc), vitamins; Bioflavours and biopigments, microbial pigments in textile and food industry. | 10 |
| Unit 3 | Process technology for the production of cell biomass and primary metabolites- ethanol, acetone butanol, citric acid, dextran and amino acids. | 10 |
| Unit 4 | Production of enzymes and speciality chemicals: Production of industrial enzymes such as proteases, amylases, lipases, cellulases, whole cell biocatalysis, Applications of bioconversion, transformation of steroids and sterols. Bioenergy-fuel from biomass, production and economics of biofuels, biogas, bio-refineries, Microbial Enhanced Oil Recovery (MEOR). | 10 |

Reference Books:

1. Samuel Cate Prescott and Cecil Gordon Dunn. Industrial Microbiology. Third edition revised by Cecil Gordon Dunn. McGraw-Hill, New York. 2016
2. Bailey and Ollis. Biochemical Engineering Fundamentals. 2nd Edition - 1 July 2017
3. Ross Carlson, Kate Morrissey, Bioprocess Engineering Principles, Elsevier, 3rd edition, 2024
4. Michael L. Shuler / Fikret Kargi, Bioprocess Engineering: Basic Concepts, Pearson 2015
5. Douglas S. Clark, Harvey W. Blanch, Biochemical Engineering, 2nd edition, CRC press, 1997
6. R.D. Joshi, A textbook of Industrial Microbiology, Oxford press, 1st edition, 2017

Course Outcomes:

At the end of the course, students will be able to:

| | |
|------|--|
| CO-1 | Gain fundamental knowledge in animal and plant biotechnology and their applications. |
| CO-2 | Understand three fundamental aspects in biological phenomenon: a) what to seek; b) how to seek; c) why to seek? |
| CO-3 | Understand various facets of molecular procedures and basics of genomics, proteomics |
| CO-4 | Demonstrate and apply the principles of bioprocess engineering in the design, analysis, optimization and simulation of bioprocess operations |

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Bio-Chemical Engineering

B. Tech. Minor Degree Program (2024-25 onward)

| | | | | | |
|-----------------------------|---|--|---|---|-------|
| Course Code | : | CHMC-412 | | | |
| Course Title | : | Biochemical Waste Treatment | | | |
| Number of credits | : | L | T | P | Total |
| | | 3 | 0 | 0 | 3 |
| Prerequisites (Course code) | : | Enrolling students must have studied one Chemistry paper in B. Tech first year | | | |
| Course Type | : | MC | | | |

Course Learning Objectives:

- To provide basic knowledge of bio-waste
- To characterize the waste and apply the knowledge of laws for handling biomedical wastes.
- Explain the principles & concepts of waste management.
- Plan an effective & efficient biowaste management system.

Course Content:

| Unit(s) | Course Description | L (Hrs.) |
|---------|---|----------|
| Unit 1 | Qualitative and Quantitative characteristics of waste, waste disposal norms and regulation, Principles of biological treatment, physical and chemical methods of waste treatment. | 8 |
| Unit 2 | Bioprocess kinetics applied to waste treatment. Operation and design features of trickling filters and rotating biological contractor (RBC). Anaerobic treatment systems. Sludge digestion theory, digester design, high rate digestion, heat transfer in digester. | 10 |
| Unit 3 | Theory of activated sludge process, design, operation and control, BOD reduction and biomass relationship, modifications, stabilization ponds, operational and design aspects. | 10 |
| Unit 4 | New developments, fixed film reactors, UASB. Nitrification - denitrification, Phosphorous removal. Treatment and disposal of waste of the industries e.g. distilling and brewing, antibiotics and sugar etc. | 12 |



Reference Books:

1. Metcalf & Eddy, Wastewater Engineering: Treatment and Reuse, Tata McGraw-Hill Publishing Company 4th Edition Ltd., 2017.
2. Warren Viessman Jr. and Mark J. Hammer "Water supply and Pollution control"; Harper & Row Publishers; 8th edition, 2008,
3. Howard & Peavy, Donald R. Rowe and George Tchobanoglous "Environmental Engineering", McGraw- Hill International Editions. 7th edition, 1987
4. Rao & Dutta. "Waste Water Treatment", Oxford press, 2nd edition, 2017

Course Outcomes:

At the end of the course, students will be able to:

| | |
|------|---|
| CO-1 | Explain the concepts of biomedical waste engineering & treatment |
| CO-2 | Understand the treatment and disposal of waste in the industries. |
| CO-3 | Explain waste management techniques of different industries |
| CO-4 | Apply various techniques of sludge treatment and disposal |

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S 54.11 To consider the proposal from department of Business Administration regarding

- (i) Revision of rule for minimum student strength for specialization
- (ii) Institute level MBA admission test for Spot Round
- (iii) Minor revision in the course outline of Organizational Behaviour (1st semester)
- (iv) Introduction of a new course titled, "Emotional Intelligence and Well-Being" (HR Specialization, 3rd semester).

The Department of Business Administration has sent a letter no. DBA/2024/730 dated 18.9.2024A through which some agenda items has been proposed duly approved by the Board of Studies of the department meeting held on Aug. 9, 2024. The letter is enclosed as Annexure S 54.11.

The Senate may consider and decide.

Acad./Inward/ 24/ 4339
Dated: 19/9/2024

**DEPARTMENT OF BUSINESS ADMINISTRATION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

Ref No.: DBA/2024/730

Date: 18.09.2024

Proposed Agenda Items for the 54th Meeting of the Senate

The Board of Studies meeting of the Department of Business Administration was held on Aug 9, 2024. The following agenda items were approved:

1. Revision of Rule Regarding Minimum Student Strength for Specialization

For offering any specialization to MBA-II year students, as per the existing rules a minimum number of 10% of MBA intake is required. The same is proposed to increase to 20% of the admitted students in the respective batch.

2. Institute Level MBA Admission Test for SPOT ROUND

The admission to the MBA program is conducted on the basis of marks scored in CAT/MAT/CMAT/any other national level test (70% weightage) and Group Discussion / Personal Interview (30% weightage). The vacant seats (of the first round of admission) are filled in the month of Aug with the same admission criterion.

Due to the lack of awareness, many graduate students do not appear in any such entrance test and hence are not eligible for MBA Admissions in NIT Kurukshetra. Hence, it is proposed to conduct an Institute-level MBA Admission Test for such students (only for the SPOT ROUND admissions). This test will have the same weightage of 70% and the rest of the admission formalities will be same.

3. Discussion on Dissertation Outcomes and Presentation at Conferences

The students of MBA-IV sem undergo the subject Dissertation Report (MBA-206). For improving the dissertation report quality a Best Project Award is proposed and it is proposed that A+ grades will be awarded only to students who publish articles or conference papers out of their dissertation work. Further, mid-term evaluations will also be conducted before the final evaluations.

4. Minor Revision in the Course Outline of Organizational Behavior (1st Semester)

Discussion:

Dr Chandra Sekhar proposed minor revisions to the course outline for MBA-I sem subject Organizational Behavior (MBA-103).

5. Introduction of a New Course Titled 'Emotional Intelligence and Well-Being' (HR Specialization, 3rd Semester)

Dr Chandra Sekhar proposed a course 'Emotional Intelligence and Well-Being' for the MBA-III sem (HR Specialization) students.

You are requested to kindly instruct the person concerned for including the following items in the Senate Agenda of the 54th meeting of Senate scheduled on September 26, 2024.

Chandra Sekhar
19/9/24
Dean (Academic)

Ms. Madhu

Neelaj
18/9/24
HoD

Head of Department
Department of Business Administration
National Institute of Technology
Kurukshetra-136119

**DEPARTMENT OF BUSINESS ADMINISTRATION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA – 136119**

No. DBA/2024/730

Sept 18, 2024

MINUTES OF THE BOARD OF STUDIES (BOS) MEETING

A meeting of the Board of Studies (BOS) was held on August 09, 2024 at 3.30 PM in online mode through Google Meeting. Following members attended the meeting:

| | |
|--|-----------------|
| 1. Dr. Neeraj Kaushik | Chairman |
| 2. Prof Prashant Gupta, IIM Nagpur | External Expert |
| 3. Prof Tanuj Nandan, NIT Allahabad | External Expert |
| 4. Prof Manoj Patwardhan, IIIT Gwalior | Special invitee |
| 5. Dr Mohd Firoz | Member |
| 6. Dr Chandra Sekhar | Member |
| 7. Dr Priyanka Sihag | Special invitee |
| 8. Dr Mohit Ojha | Special invitee |

The meeting commenced with a warm welcome by the Head of the Department, who introduced the esteemed experts and members present.

Agenda Discussion: Following agenda items were discussed in the meeting:

Agenda Item 1: To Start a Certification Course on Bhagwad Geeta

- **Discussion:** Two certification courses, titled "Bhagwad Geeta" and "Values through Bhagwad Geeta," were proposed. Detailed discussions were held regarding the duration, certification process, and module details. Experts recommended developing an effective teaching pedagogy, setting clear admission criteria, and determining prerequisites based on the educational level of participants.
- **Decision/Action Items:**
 - Finalize the course structure and certification process.
 - Develop a comprehensive teaching pedagogy plan.
 - Establish clear admission criteria and prerequisites.

Agenda Item 2: Introduction of Dual Specialization in the MBA Program

- **Discussion:** The proposal to introduce Dual Specialization in the MBA Program was thoroughly examined. Experts advised offering a basket of elective papers, supplementing certain courses with MOOCs, defining course prerequisites, and strategically positioning each course according to departmental resources and requirements.
- **Decision/Action Items:**
 - Develop a course basket and identify appropriate MOOCs.
 - Define prerequisites for the courses.
 - Strategically position courses within the program.

Agenda Item 3: Revision of Rule Regarding Minimum Student Strength for Specialization

- **Discussion:** The proposal to revise the minimum student strength required to offer any specialization from the existing 10% of MBA intake to 20% of the admitted students in the respective batch was discussed and agreed upon by the experts.
- **Decision/Action Items:**
 - Agenda item approved.

Agenda Item 4: Institute Level MBA Admission Test for SPOT ROUND

- **Discussion:** An in-depth discussion was held on conducting an Institute-level MBA Admission Test for the SPOT ROUND. Experts suggested the introduction of this test while considering the weightage of CAT and other entrance exams.
- **Decision/Action Items:**
 - Agenda item approved.
 - Develop the structure of the admission test and align it with existing tests.

Agenda Item 5: MOUs with Domestic and International Institutes for Faculty and Student Exchange Programs

- **Discussion:** The potential for entering into MOUs with domestic and international institutes for faculty and student exchange programs, as well as foreign tours, was explored. Experts highlighted critical considerations such as academic synchronization, financial management, selection criteria, credit requirements, and course mapping. The pros and cons of Institute Immersion Programs (IMPs) were discussed, along with the ITEC Programme by the Indian Government, which was suggested as a potential model.
- **Decision/Action Items:**
 - Agenda item approved
 - Draft and propose MOUs, taking into account the highlighted aspects.

Agenda Item 6: Discussion on Dissertation Outcomes and Presentation at Conferences

- **Discussion:** The discussion focused on improving dissertation outcomes. Suggestions included assigning additional marks for publications, introducing a Best Project Award, awarding A+ grades only to students who publish articles or conference papers, conducting mid-term and final evaluations, and collaborating with organizations to develop case studies.
- **Decision/Action Items:**
 - Agenda item approved
 - Implement the proposed measures to enhance dissertation quality.

Agenda Item 7: Minor Revision in the Course Outline of Organizational Behavior (1st Semester)

- **Discussion:** The course coordinator presented the proposed revisions to the course outline for Organizational Behavior. Experts recommended further restructuring and revising certain content.
- **Decision/Action Items:**

- Revised syllabus is attached for the consideration of BOS members.

Agenda Item 8: Introduction of a New Course Titled 'Emotional Intelligence and Well-Being' (HR Specialization, 3rd Semester)

- **Discussion:** The new course was reviewed, and experts suggested adding additional content and recommended restructuring and revising the proposed course outline.
- **Decision/Action Items:**
 - Revised syllabus is attached for the consideration of BOS members.

The meeting concluded with a vote of thanks from the Head of the Department, expressing gratitude to all participants for their valuable contributions.

Neeraj
12/9/27
(Neeraj Kaushik)
Chairman, BOS

Dean (Academic)

Copy to All Members

ORGANISATIONAL BEHAVIOUR (MBA-103)

| | | |
|---------------------|-------------------|--------------|
| L-T | Total: | 100 |
| 3- 1 | Theory: | 50 |
| (Credit-3.5) | Sessional: | 50 |
| | Time: | 3 hrs |

Course Objective:

This core course aids students in understanding, predicting, and influencing individual and group behaviour. The course is designed to give special attention to the significant challenges and the paradigm shift faced by individuals and groups in today's organizations. It covers individual understanding of personality, perception, learning, attitudes and values and their influence in an organizational context; it provides students with an understanding of group processes and dynamics, motivation and job satisfaction. It will make students aware of one's behaviour and understand others' behaviour.

Pedagogy

Application-based exercises, individual and group assignments, and case studies will supplement classroom discussion.

Note for the Paper Setter: The number of questions to be set will be six, at least one from each unit. Out of these, one question will be compulsory. The examinee will be required to attempt the compulsory one and any other four questions. All questions shall carry equal marks.

Unit-I

Introduction and meaning of OB, Field of OB: Individual, Groups & Systems as building blocks, Effective vs. successful Managerial activities, Disciplines that contributes to OB, Challenges and opportunities in OB, Ethical issues in OB.

Unit-II

Diversity in Organization: Diversity, Equity, Inclusion & Belongingness (DEIB), Dimensions of Diversity, Forms of Diversity, Benefits of DEI at the Workplace, Measuring Diversity.

Personality and Values: Meaning, Personality Traits, "Big-Five Personality types" MBTI, and Other Trait Personality types, Linking and Individual's Personality and Values to the Workplace

Perception: Meaning, Role of Object, Environment and Observer; Judging Others.

Unit-III

Foundation of Individual Behavior: Individual Behaviour in Organization

Attitudes and Job Satisfaction: Components, functions, changing attitudes, work attitudes (Job satisfaction, Organizational Commitment & Employee Engagement)

Motivation Concepts: Motivation Concept, Content Theories (Maslow, Herzberg, McClelland); Process Theories (Vroom's Model); Contemporary Theories: (Equity Theory). Meaning of Emotions and Significance of Emotional Intelligence.

Unit-IV

Groups in Organization-Groups-Types, their development stages, the concept of role, status, norms size and cohesiveness. Group decision-making techniques, Group Think & Group Shift;

Power & Politics: Concept of influence, bases of power, Political Behaviour: Concept & contributing factors.

Unit-V

Organizational culture: Meaning and significance of organizational Culture

Leadership—Concept, Trait, Behavioral and Contingency (Fiedler, Hersey & Blanchard) theories; leadership styles, successful & effective leadership.

Stress Management: Meaning & causes of stress; types of stress; coping strategies for stress.

Course Outcome:

Upon completion of the course, students will have a foundational knowledge of individual and group behavior as a distinct field in management, with a strong emphasis on practical application. This knowledge will contribute to the enhancement of their personal and interpersonal skills. Furthermore, students will gain a deeper understanding of how individuals and groups influence organizations in achieving their goals. Ultimately, they will develop meaningful insight and the ability to diagnose and effectively address human behavior within the workplace.

Videos Title

1. That Little Voice [<https://www.youtube.com/watch?v=L156imVATLk>]
2. Tata Motors: Meet the superpowers behind our power packed-vehicles | Tata Motors | Connecting Aspirations [<https://www.youtube.com/watch?v=k2od1jXvIHb4>]
3. Apple — Inclusion & Diversity — Open [<https://www.youtube.com/watch?v=cvb49Csq1o>]

Short Case

1. Do Your D&I Efforts Include People with Disabilities?
2. Can Organization Train Diversity?
3. Encouraging Female Engineer

Reading Articles

1. Yadav, S. and Lenka, U. (2022). "A systematic review of job-related diversity and future research directions", *Equality, Diversity and Inclusion*, Vol. 41 No. 8, pp. 1181-1208. <https://doi.org/10.1108/EDI-12-2021-0524>
2. Yadav, S. and Lenka, U. (2020). "Diversity management: a systematic review", *Equality, Diversity and Inclusion*, Vol. 39 No. 8, pp. 901-929. <https://doi.org/10.1108/EDI-07-2019-0197>
3. Yadav, S. and Lenka, U. (2023). "Uncovering the intellectual structure of diversity management research: a bibliometric analysis (1990–2019)", *Personnel Review*, Vol. 52 No. 5, pp. 856-881. <https://doi.org/10.1108/PR-04-2021-0296>
4. Kuknor, S. and Kumar, V.V.R. (2024). "Impact of training and development interventions for diversity & inclusion: proposing an organizational schema", *Development and Learning in Organizations*, Vol. 38 No. 1, pp. 16-19. <https://doi.org/10.1108/DLO-11-2022-0233>

Text Books

1. Robbins, S. P., Judge, T. A., & Vohra, N. (2022). Organizational Behavior (Updated 18th ed.). Pearson Education India.
2. Parcek, U., & Khanna, S. (2018). Understanding Organisational Behaviour (4th ed.). Oxford University Press.
3. Luthans, F. (2013). Organisational Behavior: An Evidence-Based Approach (12th ed.). McGraw Hill education.

Reference Books

4. McShane, S. L., Von Glinow, M. A., & Rai, H. (2022). Organizational Behavior (9th ed.). McGraw Hill Education.
5. Baron, R. A., & Greenberg, J. (2011). Behavior in Organizations (10th ed.). PHI.
6. Kandelwal, P., & Nelson, D. L. (2013). Organizational Behaviour (7th ed.). Cengage India.

Emotional Intelligence and Well-Being (MBA-263)

| | | |
|--------------|-------------------|-------|
| L-T | Total: | 100 |
| 3-1 | Theory: | 50 |
| (Credit-3.5) | Sessional: | 50 |
| | Time: | 3 hrs |

Course Description

This course focuses on developing emotional intelligence (EI) for workplace excellence. Students will learn to foster positive work environments, enhance employee well-being and happiness, and build resilient, high-performing teams. By mastering EI, students will cultivate emotional resilience, identify signs of distress, and promote a culture of well-being and organizational success through emotional and social intelligence.

Course Objective

On successful completion of the course, participants should be able to:

- To understand the significance of EI at the workplace and learn how to improve and apply Emotional intelligence at work
- To identify benefits of developing and leveraging EI in the workplace for the employee and the organization; training initiatives used to support the development and use of employee EI.
- To comprehend the importance of emotional intelligence (EI), emotional and social intelligence (ESI), and EI resilience in enhancing well-being and happiness in the workplace

Teaching Pedagogy

Application-based exercises, individual and group assignments, research articles, and case studies will supplement classroom discussion.

Note for the Paper Setter: The number of questions to be set will be six, at least one from each unit. Out of these, one question will be compulsory. The examinee will be required to attempt the compulsory one and any other four questions. All questions shall carry equal marks.

Unit one-I [Introduction to Emotional Intelligence]

Emotions: Meaning and Significance of Emotions, Consequences of Emotions

Emotional Intelligence (EI): Introduction to Emotional Intelligence, Why EQ Matters More than IQ? Difference between EI and Emotional Social Intelligence (ESI), Significance of ESI, Roles of Emotional Quotient (EQ) in the workplace, Application of Affective Event Theory, Reflection on Self-Assessments.

Unit-II [Knowing Emotions]

Becoming aware of your emotions, how emotions work, being sensitive to yourself and others, using emotion regulation techniques, and developing EI abilities and competencies.

Unit-III [How Emotional Intelligence You Are?]

EI Test, improve your EI, How Developing EI will impact on all areas of life, Workforce Diversity and EI in the Workplace, EI & Leadership Emotional Labor, Emotional Dissonance.

Unit-IV [Managing and regulating emotions]

Self-management, relationship management (self & Others), State of emotional mastery, Managing Other People's Emotions, Relationship Building at Work, Concept of Emotional resilience and its significance.

Unit-V [Well-being & Happiness at the Workplace]

Defining well-being, EI resilience, mental health and well-being, how working environment and management approaches affect well-being and EI resilience, HR responsibility and influence on well-being, Practical exercises and techniques to support well-being.

Happiness at the Workplace: Meaning and Significance of Happiness, Happiness at both personal and professional levels.

Course Outcome:

Upon completion of this course, students will be able to:

- Develop a strong foundation in emotional intelligence (EI) and emotional social intelligence (ESI).
- Effectively manage personal emotions and build strong interpersonal relationships.
- Apply EI to enhance leadership, decision-making, and teamwork.
- Create positive and supportive work environments that prioritize employee well-being and happiness.

Video

1. [Daniel Goleman Introduces Emotional Intelligence | Big Think \(youtube.com\)](#)
2. [Emotion Regulation with James J. Gross, PhD \(youtube.com\)](#)
3. [6 Steps to Improve Your Emotional Intelligence | Ramona Hacker | TEDxTUM \(youtube.com\)](#)
4. [How Emotional Intelligence Makes Leaders More Impactful | Gemma Garcia Godall | TEDxIESEBarcelona \(youtube.com\)](#)
5. [How to increase your happiness \(youtube.com\)](#)

Reading

1. Clark, J. M., & Polesello, D. (2017). Emotional and Cultural Intelligence in Diverse Workplaces: Getting Out of the Box. *Industrial & Commercial Training*, 49(7/8), 337-349. doi:10.1108/ICT-06-2017-0040.
2. Cherniss, C., Grimm, L., & Liautaud, J. P. (2010). Process-designed training: A new approach for helping leaders develop emotional and social competence. *Journal of Management Development*, 29, 413-431.

Text Book

1. Daniel Goleman (1998) Working with Emotional Intelligence. Bloomsbury India.
2. Daniel Goleman (1997) *Emotional Intelligence: Why It Can Matter More Than IQ*. Bloomsbury India.

Reference Books

1. David R. Caruso, Peter Salovey (2004). The Emotionally Intelligent Manager. John Wiley & Sons

S 54.12 To note the admission status of UG & PG programmes for academic year 2024-25.

The Institute started three new B.Tech. courses with existing intake of students and three new M.Sc. programmes i.e. M.Sc. in Physics, M.Sc. in Chemistry and M.Sc. in Mathematics from the academic year 2023-24. The Institute also started admission in Self-finance mode in M.Tech. programmes from the AY 2023-24. From the academic year 2024-25, the Institute has started five new UG programmes and integrated courses in core branches with existing intake of students. At present the Institute is running 15 UG programmes, 05 integrated programmes, 17 PG programmes, 03 M.Sc., 01 MBA and 01 MCA programmes.

The admission status of various UG and PG Programmes for the Academic Session 2024-25 is attached as Annexure S 54.12 from pages 69 to 73.

Admission status of UG Programmes for AY 2024-25

| S.No. | BRANCH | Intake | GENERAL | GEN-PwD | EWS | EWS-PwD | OBC | OBC-PwD | SC | SC-PwD | ST | ST-PwD | JOSAA/CSAB | DASA | ICCR | MEA | Total Admitted |
|-------|---------------------------------|--------|---------|---------|-----|---------|-----|---------|-----|--------|----|--------|------------|------|------|-----|----------------|
| 1 | Civil | 120 | 48 | 0 | 11 | 1 | 32 | 0 | 18 | 0 | 9 | 0 | 119 | 0 | 0 | 0 | 119 |
| 2 | Computer | 120 | 46 | 3 | 11 | 1 | 30 | 2 | 18 | 0 | 9 | 0 | 120 | 8 | 0 | 1 | 129 |
| 3 | IT | 60 | 23 | 1 | 6 | 0 | 16 | 0 | 8 | 1 | 5 | 0 | 60 | 4 | 1 | 0 | 65 |
| 4 | Electrical | 120 | 46 | 2 | 12 | 0 | 32 | 1 | 17 | 0 | 9 | 0 | 119 | 0 | 1 | 0 | 120 |
| 5 | ECE | 120 | 45 | 3 | 11 | 1 | 31 | 1 | 17 | 0 | 9 | 0 | 118 | 2 | 0 | 0 | 120 |
| 6 | Mechanical | 120 | 43 | 2 | 11 | 0 | 32 | 1 | 18 | 0 | 9 | 0 | 116 | 0 | 1 | 0 | 117 |
| 7 | PIE | 40 | 15 | 1 | 4 | 0 | 11 | 0 | 6 | 0 | 3 | 0 | 40 | 0 | 0 | 0 | 40 |
| 8 | AIML | 60 | 23 | 1 | 6 | 0 | 15 | 1 | 9 | 0 | 4 | 0 | 59 | 2 | 0 | 0 | 61 |
| 9 | IIOT | 60 | 24 | 1 | 6 | 0 | 15 | 1 | 9 | 0 | 4 | 0 | 60 | 0 | 1 | 0 | 61 |
| 10 | M&C | 57 | 22 | 1 | 6 | 0 | 14 | 1 | 8 | 1 | 4 | 0 | 57 | 0 | 1 | 0 | 58 |
| 11 | B. Arch | 40 | 12 | 0 | 2 | 0 | 10 | 0 | 4 | 0 | 2 | 0 | 30 | 0 | 0 | 0 | 30 |
| 12 | AI & Data Science | 60 | 25 | 0 | 5 | 1 | 15 | 1 | 9 | 0 | 5 | 0 | 61 | 1 | 0 | 0 | 62 |
| 13 | Micro Electronics & VLSI Engg. | 60 | 24 | 0 | 6 | 0 | 16 | 0 | 9 | 0 | 5 | 0 | 60 | 1 | 0 | 0 | 61 |
| 14 | Sustainable Energy Technologies | 60 | 24 | 0 | 6 | 0 | 14 | 0 | 9 | 0 | 5 | 0 | 58 | 0 | 0 | 0 | 58 |
| 15 | Robotics & Automation | 50 | 19 | 1 | 5 | 0 | 13 | 1 | 8 | 0 | 3 | 0 | 50 | 0 | 0 | 0 | 50 |
| | Total | 1147 | 439 | 16 | 108 | 4 | 296 | 10 | 167 | 2 | 85 | 0 | 1127 | 18 | 5 | 1 | 1151 |

Admission status of M.Tech. programme (CCMT-24) of Academic Year 2024-25

| Sr. No. | Department | PG Program | Intake | OPEN | OPEN-PwD | EWS | EWS-PwD | SC | SC-PwD | ST | ST-PwD | OBC | OBC-PwD | Total |
|---------|---|------------------------------------|--------|------|----------|-----|---------|----|--------|----|--------|-----|---------|-------|
| 1 | Civil Engineering | Environmental Engg. (EV) | 15 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2 | Civil Engineering | Geotechnical Engineering (GE) | 15 | 3 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 7 |
| 3 | Civil Engineering | Structural Engg. (SU) | 20 | 6 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 6 | 0 | 17 |
| 4 | Civil Engineering | Transportation Engg. (TE) | 20 | 8 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 13 |
| 5 | Computer Engineering | Computer Engg. (XE) | 31 | 12 | 0 | 3 | 0 | 4 | 1 | 2 | 0 | 6 | 0 | 28 |
| 6 | Computer Engineering | Computer Engg. Cyber Security (BR) | 25 | 9 | 1 | 3 | 0 | 3 | 0 | 2 | 0 | 7 | 0 | 25 |
| 7 | Electrical Engineering | Control System (CP) | 10 | 3 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 8 |
| 8 | Electrical Engineering | Power Electronics & Drives (PD) | 10 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 7 |
| 9 | Electrical Engineering | Power System (TJ) | 10 | 3 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| 10 | Electronics & Communication Engineering | Communication Systems (CY) | 15 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 10 |
| 11 | Mechanical Engineering | Machine Design (MD) | 10 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 |
| 12 | Mechanical Engineering | Production & Industrial Engg. (IP) | 10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 13 | Mechanical Engineering | Thermal Engineering (TI) | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |

| | | | | | | | | | | | | | | |
|-------|---|--------------------------------------|-----|----|---|----|---|----|---|----|---|----|---|-----|
| 14 | Physics | Materials Science and Nanotechnology | 10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 15 | School of VLSI Design & Embedded System | Embedded System Design (VF) | 25 | 10 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 7 | 0 | 23 |
| 16 | School of VLSI Design & Embedded System | VLSI Design (VN) | 40 | 15 | 0 | 4 | 0 | 6 | 0 | 3 | 0 | 10 | 1 | 39 |
| 17 | School of Renewable Energy & Efficiency | Renewable Energy Systems (RN) | 10 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 |
| Total | | | 286 | 84 | 2 | 17 | 1 | 34 | 2 | 10 | 0 | 49 | 1 | 200 |

Admission status of M.Tech. programme (Self Finance) of Academic Year 2024-25

| Sr. No. | Department | PG Program | Intake | OPEN | OPEN-PwD | EWS | EWS-PwD | SC | SC-PwD | ST | ST-PwD | OBC | OBC-PwD | Total |
|---------|---|--------------------------------------|--------|------|----------|-----|---------|----|--------|----|--------|-----|---------|-------|
| 1 | Civil Engineering | Environmental Engineering | 5 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2 | Civil Engineering | Geotechnical Engineering | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 |
| 3 | Civil Engineering | Structural Engineering | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 4 | Civil Engineering | Transportation Engineering | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 5 | Computer Engineering | Computer Engineering | 15 | 5 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 12 |
| 6 | Computer Engineering | Cyber Security | 10 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 |
| 7 | Electrical Engineering | Control System | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 8 | Electrical Engineering | Power Electronics & Drives | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 9 | Electrical Engineering | Power System | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 10 | Electronics & Communication Engineering | Communication Systems | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 11 | Mechanical Engineering | Machine Design | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 12 | Mechanical Engineering | Production & Industrial Engineering | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 13 | Mechanical Engineering | Thermal Engineering | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| 14 | Physics | Materials Science and Nanotechnology | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | School of VLSI Design & Embedded System | VLSI Design | 20 | 6 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 13 |
| 16 | School of VLSI Design & Embedded System | Embedded System Design | 10 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 5 |
| 17 | School of Renewable Energy & Efficiency | Renewable Energy Systems | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | Total | 120 | 39 | 1 | 6 | 0 | 8 | 0 | 1 | 0 | 16 | 0 | 71 |

| Admission status of MBA Programme (Regular) of Academic Year 2024-25 | | | | | | | | | | | | | | |
|--|------------|------------|--------|------|----------|-----|---------|----|--------|----|--------|-----|---------|-------|
| Sr. No. | Department | PG Program | Intake | OPEN | OPEN-PwD | EWS | EWS-PwD | SC | SC-PwD | ST | ST-PwD | OBC | OBC-PwD | Total |
| 1 | MBA | MBA | 53 | 21 | 1 | 5 | 0 | 3 | 0 | 0 | 0 | 11 | 0 | 41 |

| Admission status of MCA Programme (Regular and Self Finance) of Academic Year 2024-25 | | | | | | | | | | | | | | |
|---|------------|------------|--------|------|----------|-----|---------|----|--------|----|--------|-----|---------|-------|
| Sr. No. | Department | PG Program | Intake | OPEN | OPEN-PwD | EWS | EWS-PwD | SC | SC-PwD | ST | ST-PwD | OBC | OBC-PwD | Total |
| 1 | MCA | MCA | 96 | 37 | 2 | 9 | 0 | 14 | 1 | 6 | 0 | 24 | 2 | 95 |

| Admission status of M.Sc. programme (CCMN-24) of Academic Year 2024-25 | | | | | | | | | | | | | | |
|--|-------------|---------------------|--------|------|----------|-----|---------|----|--------|----|--------|-----|---------|-------|
| Sr. No. | Department | PG Program | Intake | OPEN | OPEN-PwD | EWS | EWS-PwD | SC | SC-PwD | ST | ST-PwD | OBC | OBC-PwD | Total |
| 1 | Physics | M.Sc. (Physics) | 25 | 9 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 7 | 0 | 22 |
| 2 | Physics | M.Sc. (Physics) | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 3 | Chemistry | M.Sc. (Chemistry) | 25 | 10 | 0 | 2 | 0 | 3 | 0 | 2 | 0 | 6 | 1 | 24 |
| 4 | Chemistry | M.Sc. (Chemistry) | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 5 | Mathematics | M.Sc. (Mathematics) | 25 | 9 | 1 | 2 | 0 | 4 | 0 | 0 | 0 | 7 | 0 | 23 |
| 6 | Mathematics | M.Sc. (Mathematics) | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | Total | 90 | 32 | 2 | 8 | 1 | 10 | 0 | 2 | 0 | 22 | 1 | 78 |

S 54.13

To note the result summary of the students of various UG & PG Programmes of NIT Kurukshetra passing in year 2024.

The result summary of the students of various UG & PG Programmes is summarized as below.

UG Programmes

| Sr. No. | Programs | Appeared in Exam up to May/June-2024 | Pass out 2024 | Pass Percentage |
|---------------------------|---------------------------------|--------------------------------------|---------------|-----------------|
| B.Tech. 2020 Batch | | | | |
| 1. | Civil Engineering | 182 | 167 | 91.75 |
| 2. | Computer Engineering | 110 | 98 | 87.27 |
| 3. | Information Technology | 128 | 118 | 92.18 |
| 4. | Electrical Engineering | 164 | 160 | 97.56 |
| 5. | Electronics & Comm. Engineering | 172 | 168 | 97.67 |
| 6. | Mechanical Engineering | 195 | 190 | 97.43 |
| 7. | Production & Industrial Engg. | 110 | 103 | 93.63 |
| Total | | 1061 | 1002 | 94.43 |

PG Programmes

| Sr. No. | Programs | Appeared in Exam up to May/June-2024 | Pass out 2024 | Pass Percentage |
|---------|----------------------|--------------------------------------|---------------|-----------------|
| 1. | M.Tech. (2022 batch) | 272 | 205 | 75% |
| 2. | MBA (2022 batch) | 40 | 40 | 100% |
| 3. | MCA (2021 batch) | 91 | 91 | 100% |

The Senate may note the result summary of the students of various UG and PG programmes of NIT Kurukshetra passing in year 2024.

S 54.14 To note the placement status of the students of all programmes of the Institute for the year 2024.

The placement status of the students of all the programmes of the Institute for the year 2024 is placed as Annexure S 54.14 from for kind information of the Senate.

The Senate may note the placement status of the students.

The institute campus placement was successfully conducted for the academic session 2023-24 with leading companies visiting the campus for recruitment. The placement session for 2024-25 batch has also been started. Students have been placed in companies like Google (63.12 Lakhs), Microsoft (51.00 Lakhs), Intuit (43.17 Lakhs), Texas Instrumentation (38.52 Lakhs), Adobe (47.91 Lakhs), Meesho (34.00 Lakhs) and SAP Labs (29.50 Lakhs).

- 75.16% UG students have been placed on campus, with highest package of 64.28 lakh per annum and the average package of 12.68 lakh per annum in the academic session 2023-24.
- 86.81 % of MCA students have been placed and 221 PG internship were facilitated in the academic session 2023-24.
- 55.91 % of M. Tech. and 57.89 % of MBA students have been placed in the academic session 2023-24.
- The major Recruiters in the academic year 2023-24 Google, Fedi, Inc., Microsoft, Adobe, Salesforces, Expedia Group, Texas Instrumentation, SAP Labs, American Express, Synopsys, Samsung, Flipkart, Mathworks, Wells Fargo, Probo etc.
- IIT Mandi also visited for direct Ph.D., M. Tech+Ph.D and M. Tech. admissions for our students and three students got direct admission in Ph.D program, one student got admission in M.Tech+Ph.D program and five students got admission in M.Tech program.

S 54.15 To approve the list of students passing in year 2024 to be awarded degree in the 19th Convocation of the Institute.

The 19th Convocation of the Institute is likely to be scheduled in the month of November. On this occasion, 1432 degrees are to be awarded to the students (UG- 1045, PG- 345 & Ph.D- 42) whose results have been declared till date. The number of students eligible for award of degrees in the various disciplines under UG, PG and Doctorate programs are mentioned in the enclosed Annexure 54.15 for kind perusal.

The list of the students eligible for award of degrees will be prepared soon as some results are pending.

The Senate may consider & approve the proposal as above and recommend to the Board of Governors for approval.

List of students for 19th Convocation till 30.9.2024

| B.Tech. | | |
|----------------|-----------------------------------|------------------------|
| Sr.No. | Name of Branch | No. of students |
| 1. | Civil Engineering | 187 |
| 2. | Computer Engineering | 95 |
| 3. | Information Technology | 122 |
| 4. | Electrical Engineering | 161 |
| 5. | Electronics & Communication Engg. | 170 |
| 6. | Mechanical Engineering | 191 |
| 7. | Production & Industrial Engg. | 119 |
| | Total | 1045 |

| M.Tech. | | |
|----------------|---|------------------------|
| Sr.No. | Name of Branch | No. of students |
| 1. | CE (Env.) | 15 |
| 2. | CE (Structural) | 14 |
| 3. | CE (Geotechnical Engg.) | 13 |
| 4. | CE (WRE) | 05 |
| 5. | CE (Transportation) | 15 |
| 6. | ECE (Comm. System) | 11 |
| 7. | Computer Engg. | 09 |
| 8. | Cyber Security | 12 |
| 9. | EE (Control System) | 10 |
| 10. | EE (PED) | 07 |
| 11. | EE (Power System) | 08 |
| 12. | ME (Thermal) | 13 |
| 13. | ME (I&P) | 06 |
| 14. | ME (Machine Design) | 17 |
| 15. | School of Renewable Energy & Efficiency | 03 |
| 16. | Instrumentation | 01 |
| 17. | Nanomaterials | 07 |
| 18. | VLSI | 32 |
| 19. | Embedded | 11 |
| | Total | 209 |
| | MBA | 40 |
| | MCA | 96 |
| | Total PG | 345 |
| | Ph.D. | 42 |

S 54.16 To approve award of Medals and Prizes to the students of all programmes of the Institute.

The 19th Convocation of the Institute is likely to be scheduled in the month of November 2024. On this occasion, the following awards are to be given to the UG and PG students:

| Sr. No | Category | Number |
|---------------|---|---------------|
| 1 | Branch wise Toppers of B.Tech. 2020 Batch | 07 |
| 2 | Shyam Sunder Dhingra Award to the overall Topper for 2020 Batch | 01 |
| 3 | Department and Specialization wise Toppers of M. Tech. 2020 Batch | 22 |
| 4 | Branch wise Best Major Project Toppers of 2020 Batch | 07 |
| 5 | Best All Round students' Awards | 03 |
| 6 | Topper of MBA-2022 Batch | 01 |
| 7 | Topper of MCA-2021 Batch | 01 |

In addition to the above, following medals/prizes are given to Undergraduate students (B.Tech. 1st year to 4th year) before the convocation:

| Sr. No | Category | Number |
|---------------|-----------------------------|---------------|
| 1 | Dr. R. P. Singh Medals | 02 |
| 2 | Manohar Award of Excellence | 01 |
| 3 | Academic Prizes | 56 |

The list of the students will be prepared soon.

The Senate may consider & approve the said awards/prizes and recommend to the Board of Governors for approval.

