सीनेट की एकसौचारवीं बैठक का कार्यवृत्त

MINUTES OF THE 104TH MEETING OF THE SENATE

26 मार्च 2025
26TH MARCH 2025

भारतीय प्रौद्योगिकी संस्थान रूड़की
रूड़की – 247 667 (भारत)
INDIAN INSTITUTE OF TECHNOLOGY ROO RKEE
ROORKEE – 247 667 (INDIA)

भारतीय प्रौद्योगिकी संस्थान रूड़की
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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
MEETING SECTION

Minutes of the 104th Meeting of the Senate held on 26.03.2025 at 03:30 P.M. in the Senate Hall.

The list of participants who attended the meeting and those who have conveyed their inability to attend are appended at **Annexure-I & Annexure-II** respectively.

The Chairman in his opening remarks emphasised on focused research and asked to increase the number of research publication in high impact journals, with more Patents. He talked about Diversity and Inclusion, and advised to strengthen the mentorship, which is not only essential to the students but also to the newly joined faculty. With these remarks, the chairman welcomed the following new members of the Senate and wished for their active participation in the proceedings of the Senate.

1. Prof. Arindam Biswas, Department of Architecture & Planning
2. Prof. Harsh Chauhan, Department of Biosciences and Bioengineering
3. Prof. Srinivas Kiran Ambatipudi, Department of Biosciences and Bioengineering
4. Prof. Pranita Pragnyadipta Sarangi, Department of Biosciences and Bioengineering
5. Prof. Shri Ram Yadav, Department of Biosciences and Bioengineering
6. Prof. Debasis Banerjee, Department of Chemistry
7. Prof. Kalyan Kumar Sadhu, Department of Chemistry
8. Prof. Pooja Garg, Department of Humanities & Social Sciences
9. Prof. Subir Sen, Department of Humanities & Social Sciences
10. Prof. Ram Jiwari, Department of Mathematics
11. Prof. Shiv Kumar Gupta, Department of Mathematics
12. Prof. Uaday Singh, Department of Mathematics
13. Prof. Rahul Sampatrao Mulik, Department of Mechanical & Industrial Engineering
14. Prof. Ankit Bansal, Department of Mechanical & Industrial Engineering
15. Prof. Nikhil Dhawan, Department of Metallurgical & Material Engineering
16. Prof. Praveen Chandra Srivastava, Department of Physics
17. Prof. Moumita Maiti, Department of Physics
18. Prof. Sanjeev Kumar Prajapati, Head, Department of Hydro & Renewable Energy
19. Prof. Kirtiraj K. Gaikwad, Head, Department of Paper Technology
20. Prof. Abhijit Maiti, Head, Department of Polymer and Process Engineering

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Thanks was also placed on record for the valuable contributions of the following outgoing members:

1. Prof. Basheshwar Prasad, Department of Chemical Engineering
2. Prof. Mahendra Singh, Department of Civil Engineering
3. Prof. Rashmi Gaur, Department of Humanities & Social Sciences
4. Prof. Tashi Nautiyal, Department of Physics

First time, a brief of the agenda items was presented in 'Hindi' by the Dean of Academic Affairs. The agenda was then taken up.

Item No. 104.1: To confirm the minutes of the 103rd Senate meeting held on 19.12.2024.

No comment was received. The Senate confirmed the minutes of its 103rd meeting as circulated on 15.01.2025.

Item No. 104.2: To report on the actions taken to implement the decisions of the Senate taken in its 103rd meeting held on 19.12.2024.

The Senate noted the actions taken on the minutes.

Item No.104.3: To consider the report of the Committee constituted for formulation of policy for awarding the grades to students.

The Senate considered the report on the grading policy along with the recommendation of IAPC. The approved policy for awarding the grades to the students is attached as **Appendix-A**.

Item No.104.4: To consider the proposal for granting degrees to graduating Ph.D. students registered for Ph.D./ Dual/ Joint Doctoral Degree programmes at three occasions in a year.

The Senate considered the recommendations of the IRC and approved the following:

1. Details of the students who have completed degree requirements for the Ph.D. programme will be placed before the Senate on three occasions in a year.

2. The recommendations of the Senate in this regard will be sent to the subsequent meeting of the Board for approval.

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3. The Ph.D. degrees may be issued in all such cases, before the convocation, on which the approval of the board has been accorded. Those students who urgently require the degree certificate, before the convocation, may request the AAO for the issue of the original degree certificate. The date on such degree certificates will be the date of approval granted by the BoG.

4. The AAO will ensure the serial numbers sequencing of these degrees certificates.

Item No.104.5: To consider the proposal for submission of the Progress and Performance Report of Ph.D. students' beyond the stipulated period.

The Senate considered the proposal and approved that the Progress and Performance Report be submitted as per the notified timeline in the Academic Calendar. Failure to adhere to these timelines will result in the suspension of the fellowship. Furthermore, if a student fails to submit the report on two consecutive semesters, it will lead to the cancellation of their registration.

Item No.104.6: To consider the proposal of the Departments/ Centres/ School to reduce minimum requirements of pre-Ph.D. course work for the students who join with M.Sc. or equivalent for admission in any one of the engineering departments/ centres/School for Ph.D. students.

The Senate considered the recommendation of the IRC and approved the following minimum requirement of pre-Ph.D. course work for Ph.D. students:

Point No.	Qualification	Credit Requirements	Remarks
Point 3 of table 1 of Ph.D under Rule R.3.3	B.Tech. or equivalent admitted to any one of the Science/ Engineering /HSS/ Management departments/ centres/ School	Minimum 24 credits of P.G. level theory courses	a. All candidates need to register 02 additional credits for Seminar.

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	M.Sc. or equivalent admitted to any one of the engineering departments/ centres/ School.	Minimum 15 credits of P.G. level theory courses as per decision of the concerned SRC on case to case basis.	b. Candidates can take at most one self-study theory course/ NPTEL course of P.G. level as approved by SRC.

Item No.104.7: To consider the format of introductory pages of Thesis Submission by the Ph.D. students under Joint Doctoral Degree Programme under MoU.

The Senate considered the proposal, and approved the format with changes in introductory pages of Thesis Submission. The modified approved format is at **Appendix 'B'**.

Item No.104.8: To consider the intake/seat matrix for UG programmes for the Academic Session 2025-26.

The Senate considered and approved the seat matrix for UG programmes for the academic session 2025-26. **Appendix 'C'**

Item No.104.9: To consider the seat matrix for admission to Ph.D. programme (Autumn Semester) 2025-26.

The Senate considered and approved the seat matrix for Ph.D. programme for autumn semester 2025-26. **Appendix 'D'**

Item No.104.10: To consider the change in the name of specialization of the M.Tech. Programme in the Centre for Nanotechnology.

The Senate considered the proposal and approved the following change in M.Tech. nomenclature:

S. No.	Name of the Centre	Existing Name of specialization	Proposed Name of specialization
1	Centre for Nanotechnology	M.Tech. Nanotechnology	M.Tech. Nanoscience & Nanotechnology

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Item No.104.11: To consider the Minimum Educational Qualification (MEQ) for admission to Ph.D. programme in Centre for Indian Knowledge Systems.

The Senate considered and approved the following MEQ along with recommended research areas for Ph.D. admission in IKS:

"A Bachelor's degree (4 years) / Master's degree in any discipline consistent with the research areas of the Centre".

Research Areas:

i) Wellness from Indian perspective (Indic mind and sciences, Psychology and Cognitive Sciences, Indian medicine and health).

ii) Physical mathematical and engineering sciences from Indic perspective.

iii) Humanities, Arts, management and social sciences from Indic perspective.

Additionally, candidates will be required to fulfil Common Minimum Eligibility Criteria (CMEC) for the Ph.D. Programmes at IIT Roorkee.

Item No.104.12: To consider the request of the Department of Computer Science and Engineering to replace one course under ESC basket for the B.Tech. Computer Science and Engineering programme.

The Senate considered and approved the 'BEE-102: Introduction to Computational Biology' (04 credits) course, offered by the Department of Biosciences and Bioengineering under ESC basket for B.Tech. Computer Science and Engineering programme.

Item No.104.13: To consider the proposal from the Department of Electrical Engineering for the revision of credits for the course 'EEC-206: Electrical Machines' from 4 to 5.

The Senate considered the LTP distribution for the course 'EEC-206: Electrical Machines', and approved the credit revision for this course from 4 to 5 (LTP:3-1-2) of the B.Tech. Electrical Engineering programme for second year spring semester.

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The changes in the teaching scheme will accordingly revised as under:

	Existing	Revised
Credits in 2nd sem 2nd year	24/25	25/26
Overall credits	152/155	153/156

Item No.104.14: To consider the report of the Committee constituted to review and update the UG Ordinances and Regulations.

The Senate considered the report of the Committee constituted to review and update the UG Ordinance and Regulations. The recommendations of IAPC are accepted with a minor modifications (**Appendix 'E'**) to recommend to the board for its consideration and approval.

Item No.104.15: To consider the Academic Calendars for Autumn Semester 2025-26.

The Senate considered and approved the Academic Calendars for the Autumn Semester 2025-26 as at **Appendix 'F'.**

Item No.104.16: To report the MoUs signed between the Donor and the Indian Institute of Technology Roorkee.

The Senate noted the item.

Item No.104.17: To consider the Awards/Cash Prizes for Non-Convocation for the Academic Year 2024-25.

The Senate considered the recommendations of SCSP as presented by Chairman, SCSP and approved the same for the awards and cash prizes for other than graduating students for the academic year 2024-25 as in **Appendix 'G'**. The Senate also placed on record its appreciation for the efforts of the committee members in finalizing the awards and prizes.

Item No.104.18: To report the approvals accorded by the Chairman, Senate.

The Senate noted the item.

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Under Any other items

Item No.104.19: To consider award of 243 Ph.D. Degrees for the students after the 102nd Senate for the students who have completed the requirements for award of degrees w.e.f. 27.07.2024.

The Senate considered and recommended to the Board of Governors to award 243 Ph.D. Degrees to the students who have duly qualified for the award of Ph.D. degrees as given in **Appendix-H.**

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

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Annexure-I

Following were present

1.	Prof. K.K. Pant	Director & Chairman
2.	Prof. U.P. Singh	Dy. Director
3.	Prof. Rajan Arora	Applied Math. & Scientific Computing
4.	Prof. Jaydev	Applied Math. & Scientific Computing
5.	Prof. (Mrs.) Milli Pant	Applied Math. & Scientific Computing
6.	Prof. Avlokita Agarwal	Architecture & Planning
7.	Prof. Arindam Biswas	Architecture & Planning
8.	Prof. Mahua Mukherjee	Architecture & Planning
9.	Prof. Gaurav Raheja	Architecture & Planning
10.	Prof. Uttam Kumar Roy	Architecture & Planning
11.	Prof. Srinivas Kiran Ambatipudi	Biosciences & Bioengineering
12.	Prof. Harsh Chauhan	Biosciences & Bioengineering
13.	Prof. Sanjay Ghosh	Biosciences & Bioengineering
14.	Prof. Pravindra Kumar	Biosciences & Bioengineering
15.	Prof. Pranita Pragnyadipta Sarangi	Biosciences & Bioengineering
16.	Prof. Gopinath Packirisamy	Biosciences & Bioengineering
17.	Prof. Ranjana Pathania	Biosciences & Bioengineering
18.	Prof. M.K. Mohan Poluri	Biosciences & Bioengineering
19.	Prof. Ramasare Prasad	Biosciences & Bioengineering
20.	Prof. Partha Roy	Biosciences & Bioengineering
21.	Prof. Ashwani Kumar Sharma	Biosciences & Bioengineering
22.	Prof. Shailly Tomar	Biosciences & Bioengineering
23.	Prof. Shri Ram Yadav	Biosciences & Bioengineering
24.	Prof. Prakash Biswas	Chemical Engineering
25.	Prof. Prateek Kumar Jha	Chemical Engineering
26.	Prof. Shabina Khanam	Chemical Engineering
27.	Prof. Vimal Kumar	Chemical Engineering
28.	Prof. Prasenjit Mondal	Chemical Engineering
29.	Prof. Vimal Chandra Srivastava	Chemical Engineering
30.	Prof. Debasis Banerjee	Chemistry
31.	Prof. R.K. Dutta	Chemistry
32.	Prof. Kaushik Ghosh	Chemistry
33.	Prof. Prasenjit Kar	Chemistry
34.	Prof. Paritosh Mohanty	Chemistry
35.	Prof. Jeevanandam P.	Chemistry
36.	Prof. R.K. Peddinti	Chemistry
37.	Prof. Kalyan Kumar Sadhu	Chemistry
38.	Prof. Muniappan Sankar	Chemistry
39.	Prof. U.P. Singh	Chemistry

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40.	Prof. Satish Chandra	Civil Engineering
41.	Prof. Rajib Chowdhury	Civil Engineering
42.	Prof. Rahul Dev Garg	Civil Engineering
43.	Prof. Indrajit Ghosh	Civil Engineering
44.	Prof. Praveen Kumar	Civil Engineering
45.	Prof. C.S.P. Ojha	Civil Engineering
46.	Prof. K.S. Hari Prasad	Civil Engineering
47.	Prof. Rajat Rastogi	Civil Engineering
48.	Prof. Sonalisa Ray	Civil Engineering
49.	Prof. G.D. Ransinchung R.N.	Civil Engineering
50.	Prof. N.K. Samadhiya	Civil Engineering
51.	Prof. Sudipta Sarkar	Civil Engineering
52.	Prof. R. Balasubramanian	Computer Science & Engineering
53.	Prof. Sugata Gangopadhyay	Computer Science & Engineering
54.	Prof. Rajdeep Niyogi	Computer Science & Engineering
55.	Prof. S.C. Gupta	Earthquake Engineering
56.	Prof. Ravi Shankar Jakka	Earthquake Engineering
57.	Prof. Bal Krishna Maheshwari	Earthquake Engineering
58.	Prof. Daya Shankar	Earthquake Engineering
59.	Prof. M.L. Sharma	Earthquake Engineering
60.	Prof. Abhayanand Singh Maurya	Earth Sciences
61.	Prof. Pramod Agarwal	Electrical Engineering
62.	Prof. Yogesh Vijay Hote	Electrical Engineering
63.	Prof. Premalata Jana	Electrical Engineering
64.	Prof. Dheeraj Kumar Khatod	Electrical Engineering
65.	Prof. Vishal Kumar	Electrical Engineering
66.	Prof. Mukesh Kumar Pathak	Electrical Engineering
67.	Prof. P. Sumathi	Electrical Engineering
68.	Prof. Manoj Tripathy	Electrical Engineering
69.	Prof. Barjeev Tyagi	Electrical Engineering
70.	Prof. Anand Bulusu	Electronics & Communication Engg.
71.	Prof. N.P. Pathak	Electronics & Communication Engg.
72.	Prof. Amalendu Patnaik	Electronics & Communication Engg.
73.	Prof. Meenakshi Rawat	Electronics & Communication Engg.
74.	Prof. (Mrs.) Smita Jha	Humanities & Social Sciences
75.	Prof. Nagendra Kumar	Humanities & Social Sciences
76.	Prof. Binod Mishra	Humanities & Social Sciences
77.	Prof. Sanjit Kumar Mishra	Humanities & Social Sciences
78.	Prof. Subir Sen	Humanities & Social Sciences
79.	Prof. D.S. Arya	Hydrology
80.	Prof. M.K. Jain	Hydrology
81.	Prof. Sumit Sen	Hydrology
82.	Prof. Brijesh Kumar Yadav	Hydrology

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83.	Prof. Sunil Kumar Singhal	Hydro & Renewable Energy
84.	Prof. Ramesh Chandra	Institute Instrumentation Centre
85.	Prof. Ramesh A.	Management Studies
86.	Prof. Rajat Agarwal	Management Studies
87.	Prof. Aditi Gangopadhyay	Mathematics
88.	Prof. Ankik Kumar Giri	Mathematics
89.	Prof. Ram Jiwari	Mathematics
90.	Prof. Sanjeev Kumar	Mathematics
91.	Prof. Maheshanand	Mathematics
92.	Prof. Ammeya Kumar Nayak	Mathematics
93.	Prof. Ram Krishna Pandey	Mathematics
94.	Prof. A. Swaminathan	Mathematics
95.	Prof. Ankit Bansal	Mechanical & Industrial Engg.
96.	Prof. Arup Kumar Das	Mechanical & Industrial Engg.
97.	Prof. P.K. Jha	Mechanical & Industrial Engg.
98.	Prof. Manish Mishra	Mechanical & Industrial Engg.
99.	Prof. Rahul Sampatrao Mulik	Mechanical & Industrial Engg.
100.	Prof. Kaushik Pal	Mechanical & Industrial Engg.
101.	Prof. Apurbba Kumar Sharma	Mechanical & Industrial Engg.
102.	Prof. Inderdeep Singh	Mechanical & Industrial Engg.
103.	Prof. Andallib Tariq	Mechanical & Industrial Engg.
104.	Prof. S.H. Upadhyay	Mechanical & Industrial Engg.
105.	Prof. Gajanan Prabhakar Chaudhuri	Metallurgical & Materials Engg.
106.	Prof. Vikram Vasant Dabhade	Metallurgical & Materials Engg.
107.	Prof. B.S.S. Daniel	Metallurgical & Materials Engg.
108.	Prof. Nikhil Dhawan	Metallurgical & Materials Engg.
109.	Prof. B.V.M. Kumar	Metallurgical & Materials Engg.
110.	Prof. (Mrs.) Debrupa Lahiri	Metallurgical & Materials Engg.
111.	Prof. Indranil Lahiri	Metallurgical & Materials Engg.
112.	Prof. Suhrit Mula	Metallurgical & Materials Engg.
113.	Prof. Vivek Pancholi	Metallurgical & Materials Engg.
114.	Prof. Anjan Sil	Metallurgical & Materials Engg.
115.	Prof. Dharam Dutt	Paper Technology
116.	Prof. Rajdeep Chatterjee	Physics
117.	Prof. Anil Kumar Gourishetty	Physics
118.	Prof. Moumita Maiti	Physics
119.	Prof. Vivek Kumar Malik	Physics
120.	Prof. Aalok Misra	Physics
121.	Prof. Vipul Rastogi	Physics
122.	Prof. Yogesh Kumar Sharma	Physics
123.	Prof. Praveen Chandra Srivastava	Physics
124.	Prof. Ghanshyam Das Verma	Physics
125.	Prof. Davinder Kaur Walia	Physics

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126. Prof. Ajay Wasan — Physics
127. Prof. Kanhaiya Lal Yadav — Physics
128. Prof. Pradip Kumar Maji — Polymer Science & Engineering
129. Prof. Gaurav Manik — Polymer Science & Engineering
130. Prof. N.C. Mishra — Polymer Science & Engineering
131. Prof. M.L. Kansal — WRD&M
132. Prof. Ashish Pandey — WRD&M
133. Prof. Sanjeev Kumar Prajapati, Head, Deptt. of Hydro & Renewable Energy
134. Prof. Kirtiraj K. Gaikwad, Head, Deptt. of Paper Technology
135. Prof. Abhijit Maiti, Head, Deptt. of Polymer and Process Engineering
136. Prof. Jeevanand S., Associate Dean, Infra. (Electrical & A/C)
137. Prof. M.V. Sunil Krishna, Assoc. DOSW (Students' Activities)
138. Prof. Ramudu Meka, Associate Dean for Corporate Interaction.
139. Prof. Falguni Pattanaik, ADOAA (Curriculum)
140. Prof. Pradeep Srivastava, ADoAA (Evaluation)
141. Mr. Prashant Garg, Registrar & Secretary, Senate

Students' representative

142. Mr. Balaga Pavan Sai, General Secretary, Academic Affairs (UG)

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Annexure-II

The following members conveyed their inability to join the meeting.

1. Prof. Debabrata Sircar, Department of Biosciences and Bioengineering
2. Prof. Sudhakar Subudhi, Department of Mech. and Industrial Engineering
3. Prof. Sujay Chattopadhyay, Department of Polymer and Process Engineering
4. Prof. Deepak Khare, Department of WRD&M

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Appendix 'A'
Item No. Senate / 104.3

Policy for awarding the grades to students:

1. Normally 'A+' grade should be awarded to less than or equal to 10 per cent students of the course. However, the grade moderation committee by consensus may allow it up to 15 per cent in exceptional cases. Approval of DAA is required to award more than 15 per cent 'A+' grade in a course.
2. The statistical system of grading is preferred for a class size of > 30 students (Table-2). Absolute grading system is preferred for a class size of < 30 students (Table-3). However, a faculty member has a choice of employing the more suitable of the two judiciously. The ranges suggested in Tables 2-3 can be adjusted depending on the natural gaps.
3. In the case a course is being offered to multiple batches, a committee consisting of all the faculty members teaching the course will finalize the grades before submission. The committee will be chaired by the Course Coordinator. If evaluation is not done uniformly across all batches, then normalization is required.
4. The awarded grades should follow the Normal Gaussian distribution with minimum skewness in a course. Further, percentage of 'A+' grade will be as per point No. 1.
5. The grade moderation is mandatory if the awarded grades deviate the Normal Gaussian distribution with minimum skewness in a course. The committee will consist of HoD, DAPC Chairperson and Course Coordinator. If needed, HoD may nominate a few additional faculty members for this committee. For institute level courses, having large number of students (>200), Grade Moderation Committee will be formed by the Dean Academics in consultation with Course Coordinator (s) and concern HoD.
6. No student having 35% or more marks should be awarded the failing grade "F". However, for a student to get a grade D or above in any course, he/she would have to appear in the ETE.
7. In case there is no consensus in Grade Moderation Committee of particular course, the case may be referred to a committee constituted by Dean Academics.
8. To arrive at the fair distribution of grades, it is advised that while setting the question paper, 33% question should of such level which may be attempted by most of the students; 33% by regular students and 34% by only top level students.

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TABLE 1: STRUCTURE FOR GRADING OF ACADEMIC PERFORMANCE (No Change)

Grades	Grade Point
A+	10
A	9
B+	8
B	7
C+	6
C	5
D	4
F	0
AP (Audit Pass)	-
AF (Audit Fail)	-
I (Incomplete)	-
X (continued project)	-
S (satisfactory)	-
U (unsatisfactory)	-

TABLE 2: SUGGESTED RANGES FOR GRADES USING STATISTICAL METHOD (No Change)

Lower Range of Marks	Grades	Upper Range of Marks
	A+	$> \bar{X} + 1.5\,\sigma$
$\bar{X} + 1.0\,\sigma <$	A	$\leq \bar{X} + 1.5\,\sigma$
$\bar{X} + 0.5\,\sigma <$	B+	$\leq \bar{X} + 1.0\,\sigma$
$\bar{X}$	B	$\leq \bar{X} + 0.5\,\sigma$
$\bar{X} - 0.5\,\sigma <$	C+	$\leq \bar{X}$
$\bar{X} - 1.0\,\sigma <$	C	$\leq \bar{X} - 0.5\,\sigma$
$\bar{X} - 1.5\,\sigma <$	D	$\leq \bar{X} - 1.0\,\sigma$
	F	$\leq \bar{X} - 1.5\,\sigma$

TABLE 3: SUGGESTED RANGES FOR GRADES BASED ON ABSOLUTE MARK SYSTEM (No Change)

The award of grades on absolute marks out of 100 may be made as follows:

Marks	Grade	Marks
$91 \leq$	A+	≤ 100
$82 \leq$	A	≤ 90
$73 \leq$	B+	≤ 81
$64 \leq$	B	≤ 72
$55 \leq$	C+	≤ 63
$46 \leq$	C	≤ 54
$35 \leq$	D	≤ 45
-		≤ 34

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Appendix 'B'
Item No. Senate / 104.7

TITLE OF THESIS

Ph.D. THESIS

by

NAME OF RESEARCH SCHOLAR

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
INDIA

UNIVERSITY OF ALBERTA
CANADA

JANUARY, 2025

28 APR 2025

TITLE OF THESIS

A THESIS

Submitted in partial fulfilment of the requirements for the Award of the Joint degree

of

DOCTOR OF PHILOSOPHY

in

NAME OF THE DEPARTMENT
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, INDIA

and

NAME OF THE DEPARTMENT
FOREIGN INSTITUTE NAME

by

NAME OF RESEARCH SCHOLAR

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
INDIA

UNIVERSITY OF ALBERTA
CANADA

JANUARY, 2025

28 APR 2025

28 APR 2025

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

STUDENT'S DECLARATION

I hereby certify that the work presented in the thesis entitled "**TITLE OF THESIS**" is my own work carried out during a period from _____ to _____ under the supervision_____, Professor, Department / Centre / School of _____, Indian Institute of Technology Roorkee, Roorkee, India, Prof. _____(Name of Professor outside Inida), Department of _____, name of Foreign Institute_____.

The matter presented in the thesis has been submitted simultaneously to the University of Groningen, the Netherlands for the award of double degree.

Dated:

NAME & SIGNATURE OF RESEARCH SCHOLAR

SUPERVISOR'S DECLARATION

This is to certify that the above mentioned work is carried out under our supervision.

Dated:

NAME & SIGNATURE OF I.I.T.R SUPERVIOSR

Dated:

NAME & SIGNATURE OF FOREIGN INSTITUTE SUPERVISOR

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Appendix 'C'
Item No. Senate / 104.8

UG Seat Matrix for the Session 2025-26	
Programmes through JoSAA	
Programme Name	**Approved Seats for 2025-26**
B. Tech Biosciences and Bioengineering (4-year Bachelor of Technology)	46
B. Tech Chemical Engineering (4-year Bachelor of Technology)	117
B. Tech Civil Engineering (4-year Bachelor of Technology)	154
B.Tech. Computer Science and Engineering (4-year Bachelor of Technology)	109
B.Tech. Electrical Engineering (4-year Bachelor of Technology)	165
B.Tech. Electronics and Communication Engineering (4-year Bachelor of Technology)	109
B.Tech. Engineering Physics (4-year Bachelor of Technology)	50
B.Tech. Mechanical Engineering (4-year Bachelor of Technology)	150
B.Tech. Metallurgical and Materials Engineering (4-year Bachelor of Technology)	82
B.Tech. Production and Industrial Engineering (4-year Bachelor of Technology)	58
Bachelor of Architecture (5-year Bachelor of Architecture)	30
M.Tech. (Geological Technology) (5-year Integrated Master of Technology)	38
M.Tech. (Geophysical Technology) (5-year Integrated Master of Technology)	41
BS-MS (Mathematics and Computing) {5-year (4+1) Dual Degree}	49
BS-MS (Chemical Sciences) {5-year (4+1) Dual Degree}	35
BS-MS (Physics) {5-year (4+1) Dual Degree}	27
BS-MS (Economics) {5-year (4+1) Dual Degree}	33
B.Tech. in Data Science & Artificial Intelligence (4-year Bachelor of Technology)	40
B. Tech in Energy Engineering (4-year Bachelor of Technology)	20
Total	**1353**
Programmes through other Exams (UCEED)	
B. Design (4-year Bachelor of Design)	20
Grand Total of UG seats	**1373**

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Appendix 'D'
Item No. Senate / 104.9

Appendix-1

Category wise vacancy for admission to Ph.D program for Autumn Semester of the session 2025-26 under Institute Assistantship

Deptt/ centre	Faculty position as on 30.01.2025	Total Seats = 5 x core faculty and 2 x Joint faculty	Total Intake						Seats Filled						Vacancy				
			Unreserved	Gen-EWS	OBC	SC	ST	Total Intake	Unreserved	Gen-EWS	OBC	SC	ST	Total filled	Unreserved	GEN-EWS	OBC	SC	ST
(Roorkee Campus)																			
Departments																			
Architecture and Planning	18+1*	92	37	9	25	14	7	92	24	1	13	6	1	45	13	8	12	8	6
Biosciences and Bioengineering	28+2*	144	58	14	39	22	11	144	44	11	19	3	0	77	14	3	20	19	11
Chemical Engineering	24	120	49	12	32	18	9	120	28	5	4	8	1	46	21	7	28	10	8
Chemistry	30	150	61	15	41	22	11	150	50	12	22	5	2	91	11	3	19	17	9
Civil Engineering	56	280	113	28	76	42	21	280	60	17	50	21	5	153	53	11	26	21	16
Computer Science and Engineering	21+1*	107	43	11	29	16	8	107	24	4	8	5	0	41	19	7	21	11	8
Design	2+13*	36	14	4	10	5	3	36	10	1	3	5	0	19	4	3	7	0	3
Earth Sciences	26	130	53	13	35	19	10	130	13	8	13	0	1	33	40	7	22	19	9
Earthquake Engineering	16	80	32	8	22	12	6	80	10	5	12	2	1	30	22	3	10	10	5
Electrical Engineering	38	190	77	19	51	29	14	190	35	11	16	12	2	76	42	8	35	17	12
Electronics and Communication Engineering	39	195	79	19	53	29	15	195	41	6	24	13	0	84	38	13	29	16	15
Humanities and Social Sciences	31	155	63	15	42	23	12	155	39	9	20	10	3	81	24	6	22	13	9
Hydro and Renewable Energy	13	65	26	6	18	10	5	65	16	0	8	5	0	29	10	6	10	5	5
Hydrology	8	40	16	4	11	6	3	40	11	1	11	4	1	28	5	3	0	2	2
Management Studies	22	110	45	11	30	16	8	110	24	9	18	6	1	58	21	2	12	10	7
Mathematics	27	135	55	14	36	20	10	135	17	4	3	5	0	29	38	10	33	15	10
Mechanical and Industrial Engineering	46	230	93	23	62	35	17	230	59	7	22	10	1	99	34	16	40	25	16
Metallurgical and Materials Engineering	27	135	55	14	36	20	10	135	18	5	18	11	0	52	37	9	18	9	10
Physics	40+1*	202	82	20	55	30	15	202	44	15	15	3	2	79	38	5	40	27	13
Water Resources Development and Management	13+2*	69	28	7	19	10	5	69	13	5	12	4	1	35	15	2	7	6	4
Total	525+20*	2665	1079	266	722	398	200	2665	580	134	311	138	22	1185	499	132	411	260	178
Centres/School																			
Centre for Transportation Systems	2+10*	30	12	3	8	5	2	30	3	2	2	1	1	9	9	1	6	4	1
Centre of Excellence in Disaster Mitigation and Management	3+12*	39	16	4	10	6	3	39	12	0	5	2	0	19	4	4	5	4	3
Centre for Nanotechnology	3+20*	55	22	6	15	8	4	55	11	3	5	1	0	20	11	3	10	7	4
Institute Instrumentation Centre	1+2*	9	4	1	2	1	1	9	0	0	1	0	0	1	4	1	1	1	1
Centre for Photonics and Quantum Commnication Technology (CPQCT)	11*	22	9	2	6	3	2	22	6	1	3	1	0	11	3	1	3	2	2
Centre for Space Science and Technology (CSST)	13*	26	10	3	7	4	2	26	0	0	2	0	0	2	10	3	5	4	2
Centre for Sustainable Energy	13*	26	10	3	7	4	2	26	2	0	5	2	0	9	8	3	2	2	2
International Centre of Excellence for Dams	17*	34	14	3	9	5	3	34	0	0	0	2	0	2	14	3	9	3	3
Centre on Indian Knowledge Systems	10*	20	8	2	5	3	2	20	0	0	0	0	0	0	8	2	5	3	2
Mehta Family School of Data Science and Artificial Intelligence	1+21*	47	19	5	13	7	3	47	13	1	5	2	0	21	6	4	8	5	3
Total	10+129*	308	124	32	82	46	24	308	47	7	28	11	1	94	77	25	54	35	23
(Saharanpur Campus)																			
Applied Mathematics and Scientific Computing	5+1*	27	11	3	7	4	2	27	7	3	1	1	0	12	4	0	6	3	2
Paper Technology	6	30	12	3	8	5	2	30	12	2	4	0	0	18	0	1	4	5	2
Polymer and Process Engineering	12	60	24	6	16	9	5	60	11	1	8	4	2	26	13	5	8	5	3
Total	23+1*	117	47	12	31	18	9	117	30	6	13	5	2	56	17	6	18	13	7
Grand total	558+150*	3090	1250	310	835	482	233	3090	657	147	352	154	25	1335	593	163	483	308	208

* Joint Faculty

Note: 1. PwD seats are 5% horizontal
2. Prepared based on the faculty data furnished by Establishment A Office as on 30.01.2025

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Appendix 'E'
Item No. Senate / 104.14

PREAMBLE

Indian Institute of Technology Roorkee (IITR), being the first technical institution in Asia and one of the premier technical institutions in India today, has been a front runner in imparting state-of-the-art education in science and technology to the people of this country, and has produced engineers and scientists par excellence. Indian Institute of Technology Roorkee inherits the legacy of excellence in teaching and research of the erstwhile University of Roorkee as evident from its illustrious alumni and their engineering feats like Aswan to Bhakra-Nangal dam across the world, standing as testimonies of their capabilities and excellence. The aim of the education at the undergraduate level is to build on the knowledge gained by a student through the curriculum by imparting knowledge with the help of classroom instructions, training and other modes of teaching. After completing the curriculum, the student will acquire adequate knowledge in the desired discipline, which could be easily employed for the solution of real-life problems and developed further through higher education, for reaching the frontiers of knowledge in his/her area of specialisation. The Institute also imparts knowledge to students in the emerging areas of science and technology and offers five-year Integrated programs.

The undergraduate and postgraduate programs have both academic and extracurricular components designed for the integrated development of the students, possessing individual values of ethics, morality and societal connect.

In these days of rapid evolution of knowledge, the academic programs require provisions for continuous updating of the contents of the syllabi to incorporate new developments in a particular area of knowledge. The present course structure has been designed to meet the challenges of the society in next decade. The curriculum is, therefore, broadly defined to make it possible for the teacher to update it continuously by including the latest developments. Exchange of knowledge and methodology across the disciplines is important in furthering its frontiers. In keeping with this spirit, the curriculum encourages students to learn across different disciplines, including social sciences, management, environmental studies. The curriculum has been designed to offer enough flexibility to the students to tailor their learning to individual inclinations and the desired career objectives.

The curriculum in a given discipline includes academic programs involving ingredients of classroom teaching, laboratory practices, training, seminar and project. These ingredients are specified in terms of courses with a given code specifying the subject(s) to be taught under them. Every course has a credit depending on the workload it involves. A student is continuously evaluated during the conduct of a course and is awarded a letter grade on the basis of his/her performance. The academic year is divided into two semesters, and in each semester a student has to register for the courses as specified in the concerned program structure. When a student earns a minimum number of credits specified for a given curriculum, he/she becomes eligible for the award of the degree.

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THE INSTITUTE

Indian Institute of Technology Roorkee, erstwhile University of Roorkee, is the oldest technical institution of the country. Established as the Roorkee College in 1847 and rechristened as the Thomason College of Civil Engineering in 1854, it made tremendous contributions in the development of infrastructural base-roads and highways, canals and irrigation networks, railways and engineering industries. Recognising its outstanding contributions and its potential for growth, the college was elevated to be the first Technical University of India on November 25, 1948. Nurtured as the premier institution by the State of Uttar Pradesh, the University was declared an Institute of national importance and converted into the Indian Institute of Technology Roorkee by an Act of Parliament with effect from September 21, 2001.

The academic activities of the Institute are spread over three campuses: (i) 365 acres campus at Roorkee, (ii) 25 acres campus at Saharanpur and (iii) 10 acres campus of Greater Noida Extension Centre at Greater Noida. The Institute offers several undergraduate programs leading to Bachelor's degree in different disciplines of engineering, sciences, architecture, and design. In addition, the Institute offers Integrated dual-degree programs and Integrated Masters programs in different disciplines of engineering and sciences, and postgraduate programs in specialised areas leading to Master's degree in technology, architecture, sciences, management and design. The Institute is also engaged in advanced level research and offers doctoral programs in the areas of cutting edge technologies and sciences.

The Institute has a highly qualified and motivated faculty of about 543 teachers who are engaged in both teaching and research, as well as offer their expertise through consultancy services to private and public sector industries and agencies. The Institute has at present about 5566 undergraduate students, 2122 postgraduate students and nearly 3117 Ph.D. scholars including overseas students from several countries.

A number of academic and service centres are engaged in interdisciplinary research and there are many collaborative programs between the Institute and other institutions in India and abroad. The teaching and research at the Institute is amply supported by central facilities such as the Central Library with around 4 lakhs printed volumes of books, journals and periodicals. The Central Library is a member of the Indian National Digital Library in Engineering Science and Technology (INDEST) Consortium. The membership provides online access to about 15000 e-journals and 15000 e-books. Important centres and cells on the campus include: E-learning Centre, Institute Computer Centre, Institute Instrumentation Centre, The Tinkering Lab, TIDES Business Incubator, iHUB Divyasampark TIH, and Intellectual Property Right Cell.

The Institute prepares students to meet the ever-increasing technological and social challenges with its traditions of self-discipline, hard work, all round personality development and a creative approach to problem solving. An extensive infrastructure exists to imbibe and cultivate these attributes amongst the students. To maintain the highest standards, the Institute has recently introduced major changes in its undergraduate curriculum, with emphasis on greater flexibility and interdisciplinary focus.

The Institute has procured a large number of state-of-the-art equipment and various other facilities, thus updating and modernizing its laboratories. All the Departments of the Institute have modern laboratories equipped with sophisticated facilities.

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A large number of distinguished organizations interact with the Institute through research and consultancy services, which bears testimony to the important role being played by the Institute in the national development. The Institute also offers, on request, tailor-made short-term continuing education programs, specifically for personnel from industry and service organizations.

The Indian Institute of Technology Roorkee has a unique character and is fully residential for the students and the faculty. The Institute campus is vibrant with diverse creative activities, which constantly serve to bring students and the staff in close contact, thereby fostering an all-round intellectual development. The Institute campus has an excellent gymnasium, badminton and squash courts, lawn tennis courts, a swimming pool, billiards tables, and recreational centres like the Students' Clubs, Hobbies Club, Boat Club, Cultural Society, and Institute Cinema Club. The students are housed comfortably in hostels with excellent dining facilities. A fairly equipped Institute Hospital caters to the health needs of the campus community.

The Institute organizes several co-curricular activities for all-round personality development of the students, such as THOMSO, the annual youth festival; COGNIZANCE, an all-India technical festival. Hobbies club and its annual exhibition SRISHTI is one of the unique features of the Institute that promotes creativity among students.

Students are encouraged to participate in various sports and cultural activities to help them develop a well-balanced personality. Every year, they organize an exhibition of fine arts, sculptures and carvings, philately, photography, scientific models, etc., besides sports activities. Being a rather compact campus, a cheerful and friendly atmosphere prevails and students feel at home very soon after joining the Institute. The lush green surroundings and the stately Ganga Canal flowing nearby provide a very stimulating and creative environment.

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Academic Departments, Centres and Units

There are twenty-three academic departments in the Institute, one school, nine academic centres, seven academic service units and five other supporting units.

Academic Departments	
1. Applied Mathematics and Scientific Computing*	2. Architecture and Planning
3. Biosciences & Bioengineering	4. Chemical Engineering
5. Chemistry	6. Civil Engineering
7. Computer Science and Engineering	8. Design
9. Earth Sciences	10. Earthquake Engineering
11. Electrical Engineering	12. Electronics and Communication Engineering
13. Humanities and Social Sciences	14. Hydrology
15. Hydro and Renewable Energy	16. Management Studies
17. Mathematics	18. Mechanical and Industrial Engineering
19. Metallurgical and Materials Engineering	20. Paper Technology*
21. Physics	22. Polymer and Process Engineering*
23. Water Resources Development and Management	

*Note: These departments are at Saharanpur Campus.

School	
1. Mehta Family School for Data Science & Artificial Intelligence	

Academic Centres	
1. Disaster Mitigation & Management	2. Indian Knowledge Systems
3. International Centre of Excellence for Dams	4. Nanotechnology
5. Photonics and Quantum Communication Technology	6. Semiconductor Design and Technology
7. Space Science and Technology	8. Sustainable Energy
9. Sustainable Rural Development	10. Transportation Systems
Academic Service Centres	
1. Centre for Continuing Education	2. E-Learning Centre
3. Institute Computer Centre	4. Institute Instrumentation Centre
5. Greater Noida Extension Centre IITR	6. Mahatma Gandhi Central Library
7. Rethink! The Tinkering Lab	
Other Units	
1. DRDO Industry Academia Centre of Excellence (DIA-CoE)	2. iHUB Divyasampark TIH - under NM-ICPS mission, Govt of India
3. Intellectual Property Right Cell	4. TIDES Business Incubator
5. Water for Welfare: An Uttarakhand Government Initiative	

The Academic Departments, Centres and School offer courses to the students of various disciplines. Academic curricula are so devised that a student of one discipline can take some courses of other disciplines as well. Such flexibility helps a student to develop his/her core competence together with the interdisciplinary skills in the area(s) of his/her interest.

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Programs

The main aim of education at IIT Roorkee is to enable students to face the wide-ranging changes taking place in the fields of science, technology, environment and management with confidence. This includes undertaking design, development, construction, production, managerial and entrepreneurial activities, and higher studies in their chosen or allied interdisciplinary fields of study.

Undergraduate Programs

The Institute offers the following undergraduate programs (Table-1) leading to Bachelor's degree, Integrated Dual Degree (IDD), Integrated M.Tech. (IMT) and BS-MS degree in different disciplines of Engineering, Technology, Architecture, Science and Design:

Table-1: UG Programs

SL.No.	Program	Duration (in years)	Department
	Bachelor's Degree		
1.	B. Arch.	5	Architecture and Planning
2.	B. Des.	4	Design
3.	B.Tech. (Biosciences and Bioengineering)	4	Biosciences and Bioengineering
4.	B.Tech. (Chemical Engineering)	4	Chemical Engineering
5.	B.Tech. (Civil Engineering)	4	Civil Engineering
6.	B.Tech. (Computer Science and Engineering)	4	Computer Science and Engineering
7.	B.Tech. (Data Science and Artificial Intelligence)	4	Mehta Family School for DS and AI
8.	B.Tech. (Electrical Engineering)	4	Electrical Engineering
9.	B.Tech. (Electronics and Communication Engineering)	4	Electronics and Communication Engineering
10.	B.Tech. (Energy Engineering)	4	Hydro and Renewable Energy
11.	B.Tech. (Engineering Physics)	4	Physics
12.	B.Tech. (Mechanical Engineering)	4	Mechanical and Industrial Engineering
13.	B.Tech. (Metallurgical and Materials Engineering)	4	Metallurgical and Materials Engineering
14.	B.Tech. (Production and Industrial Engineering)	4	Mechanical and Industrial Engineering
	Integrated Dual Degree (IDD)		
	Students of B.Tech programs at the end of 3rd year can opt to switch over to any of those M.Tech programs whose eligibility criteria are satisfied by their B.Tech. branch.		
SL.No.	**Program**	**Duration (in years)**	**Department**
	BS-MS Program**		
1.	BS-MS (Chemical Science)	5	Chemistry
2.	BS-MS (Economics)	5	Humanities and Social Science
3.	BS-MS (Mathematics and Computing)	5	Mathematics
4.	BS-MS (Physics)	5	Physics
	** Students can exit from the program after 4 years with BS degree		
	Integrated Master of Technology (IMT)		
1.	Integrated M.Tech. (Geological Technology)	5	Earth Sciences
2.	Integrated M.Tech. (Geophysical Technology)	5	Earth Sciences

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Structure of UG Programs

The four-year B.Tech. and B.Des. programs and five-year B.Arch. program comprise of courses divided into various areas, as given below:

SL. No.	Abbreviation	Course Area
1	ICC	Institute Core Course
2	PCC	Program Core Course
3	BSC	Basic Sciences Course
4	PEC	Program Elective Course
5	TM	Tinkering & Mentoring
6	ESC	Engineering Sciences Course
7	ESSC	Environmental Science and Sustainability Course
8	MC	Management Course
9	DSC	Data Science Course
10	HSSC	Humanities and Social Sciences Course
11	HSSEC	Humanities, Social Sciences Elective Course
12	CORE	Community Outreach Course
13	AI/ML	Fundamental Course of AI/ML
14	TEB	Talent Enhancement Course
15	OEC	Open Elective Course
16	NCE	Non-Credit Elements

The five-year Integrated Dual Degree, Integrated M.Tech. and BS-MS programs comprise courses other than the above program-specific courses, i.e., seminar and thesis.

Credits assigned to various constituents of the Undergraduate/BS-MS and Integrated M.Tech. Curriculum structures are given in Table-2. Credit and Curricular components for Institute core courses and Institute elective courses are given in the following Tables 3-4. The detailed program structures are available on the Institute Website (https://iitr.ac.in).

Institute Core Courses (ICC)

A UG student needs to complete few Institute core courses on Basic Sciences (BSC), Engineering Sciences (ESC) specific to the programs, Humanities and Social Sciences (HSSC), Fundamentals of Management (MC), Data Science (DSC), Tinkering & Mentoring (TM) and Environmental Science and Sustainability (ESSC). Different departments have participated in designing these courses so as to cater to the requirements of their programs with the parent departments. These courses are planned to give the students a firm base in the respective areas. These courses are presented in Table-3.

Program Core Courses (PCC)

The PCC consists of courses considered essential for a chosen engineering/science discipline, including laboratory courses. Further, it includes courses on Engineering Analysis and Design (Design Thinking based-project)/Industry Oriented Problem Solving/Lab Based Project/ Practical Problems/ Case Study and B.Tech. Project/Entrepreneurship/Project-based Internship. Fundamentals of AI/ML and the development of technical communication skills are an essential part of the curricular structure.

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Open Elective Courses (OEC)

The Open Elective Courses are offered by different academic Department/Centre/School to the students. The students are free to select three courses from the OEC category, depending upon their interests and inclination.

Humanities and Social Science Elective Courses (HSSEC)

The HSSEC are the courses offered by the Department of Humanities and Social Sciences to the students. The students are free to select two courses from the HSSEC category, depending upon their interests and inclination.

Program Elective Courses (PEC)

The students are required to complete a number of Program Elective Courses offered by his/her parent department/centre/school. The students are free to select a number of courses as per their course structure.

Talent Enhancement Courses (TEB)

Each department offers baskets of practical oriented courses for skill development in relevant areas pertaining to their specializations. Students shall choose such courses to attain skill in a focused area, for example - 3D printing, material characterization, algorithm design, deep learning, supply chain management, cognitive psychology etc. The students are required to choose a basket from TEB courses and complete their TEB credit requirement from the same basket.

Community Outreach (CORE)

The UG curriculum contains a course of 2 credits on Community Outreach as a program core course, which may be offered in any semester during the third and fourth years of the program to provide/create opportunities for students to work with the society in the form of community development project/rural upliftment of the underprivileged etc. This may also be done in association with NGOs, local government bodies, boot camps etc., if required.

Minor Specialisation Courses (MSC)

The student desirous of excelling in some specialisation other than his/her own department may be allowed to take additional courses equivalent to 18-20 credits from that specialisation. These courses have been defined as Minor Specialisation Courses (MSC). These courses will have to be selected from a list of such courses (basket) offered by the departments/centres/school, however, the number of students in such courses may be restricted by the departments/centres/school concerned. On successful completion of the courses, the students will be given degree in the main discipline with minor specialisation in the other area. For example, the degree certificate will indicate B.Tech. in Civil Engineering with Minor Specialisation in Physics.

Departmental Honours Courses (DHC)

A student having CGPA>7.5 and desirous of honours degree in his/her discipline may be allowed to take additional courses equivalent to 18-20 credits from the discipline. These courses have been defined as Departmental Honours Courses (DHC) and the student has to select a list of such courses offered by the department. On successful completion of the courses, the student will be given degree in the main discipline with Honours.

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Non-Credit Elements (NCE)

A student has to complete a minimum number of non-credit elements to complete the degree requirement. These elements have been introduced to develop the overall personality of the student. A student of a 4-year program is required to earn a minimum of 24 units, and a student of a 5-year program is required to earn a minimum of 30 units from NCE. The following are the components of NCE:

(a) Discipline

In order to inculcate a culture of discipline among the students, 'Discipline' has been introduced as an NCE component. A total of 8-16 units for a 4-year program, and 10-20 units for a 5-year program have to be earned for this component. Grades (in units) will be awarded by the Dean of Students' Welfare at the end of each academic year. Student's performance will be evaluated in each semester on 0-2 unit scale.

(b) N.C.C./N.S.O./N.S.S.

A student of 4-year/5-year program is required to join National Cadet Corps (NCC)/ National Service Scheme (NSS)/ National Sports Organization (NSO) in the first year and participate in the activities of the respective organization. A total of 4-8 units has to be earned for this component. Selection for N.C.C./N.S.O./N.S.S. is usually completed in a special session held during the Orientation Program for the first-year students, after their registration in the Institute. These activities will run in both semesters and will be evaluated in each semester, but units will be awarded by the Dean of Students' Welfare with the help of concerned Professor(s) Incharge of NCC/NSO/NSS at the end of the academic year. Student's performance will be evaluated in each semester on 0-2 unit scale.

(c) Internship (INT)

This activity will be coordinated by each department for their students. One week of internship is equivalent to 1 unit for the evaluation purpose. A student of a 4-year UG program is required to earn 8-24 units, and a student of a 5-year UG program is required to earn 10-32 units. These activities will run in both semesters and will be evaluated by the Department/School/ Centre throughout the program at the end of each academic year.

(d) Participation in Professional Development (PPD-1 & PPD-2)

A student is required to participate in professional development programs by industry experts/field experts during his/her 2nd year (PPD-1) and 3rd year (PPD-2). The programs will be coordinated by the departments for their students. A student of a 4-year UG program is required to earn 4-8 units, and a student of a 5-year UG program is required to earn 6-12 units. This will be evaluated by the Department/School/Centre and equivalency will also be decided by the Department/School/Centre.

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Table-2a: Credits for Four-year UG (B.Tech.) Programs

Main Curriculum Components	Sub Components	Credits to be earned from different components	Minimum Credits to be earned from different components
Institute Core Course	Humanities and Social Science Course (HSSC)	5	52-58
	Humanities and Social Science Elective Course (HSSEC)	6	
	Management Course (MC)	3	
	Basic Science Courses (BSC)	12-20	
	Engineering Science Courses (ESC)	8-20	
	Data Science Course (DSC)	4	
	Environmental Science and Sustainability Course (ESSC)	3	
	Tinkering & Mentoring (TM)	4	
Program Core Course	Class Contact Core Courses (CCCC)	40-48	87-91
	Fundamentals of AI/ML	2	
	Engg. Analysis and design (design thinking based project)/Industry Oriented Problem Solving/ Lab based Project/ Practical Problem/ Case study	4	
	Technical Communication	2	
	BTP/Entrepreneurship/ Project-based internship/PEC*	6-10	
Program Elective Courses	Program Elective Courses (PEC)	22-26	
Talent Enhanced Basket	Talent Enhanced Basket (TEB)	6-8	
Open Elective Courses (OEC)	Open Elective Courses (OEC) Institutes Across the globe* / IITR	9-12	9-12
Community Outreach (CORE)	Community Outreach (CORE)	2	2
	Total Credits to be earned	**150-160**	
	Total Credits to be earned (For those who opt for degree with minor specialisation/ department honors course)	**168-180**	
Non-Credits Elements (NCE)	**Components**	**Maximum Units**	**Minimum Units**
	Discipline	16	8
	NCC/NSS/NSO	8	4
	Internship	24	8
	Participation in professional development program by industry experts / field experts (PPD-1 & PPD-2)	8	4
Minimum Non-Credits Units to be earned: 24			

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Table-2b: Credits for Four-year UG (B.Des.) Programs

Main Curriculum Components	Sub Components	Credits to be earned from different components	Minimum Credits to be earned from different components
Institute Core Course	Humanities and Social Science Course (HSSC)	5	49
	Humanities and Social Science Elective Course (HSSEC)	6	
	Management Course (MC)	3	
	Basic Science Courses (BSC)	16	
	Engineering Science Courses (ESC)	8	
	Data Science Course (DSC)	4	
	Environmental Science and Sustainability Course (ESSC)	3	
	Tinkering & Mentoring (TM)	4	
Program Core Course	Class Contact Core Courses (CCCC)	47	95
	Fundamentals of AI/ML	2	
	Engg. Analysis and design (design thinking based project)/Industry Oriented Problem Solving/ Lab based Project/ Practical Problem/ Case study	4	
	Technical Communication	2	
	BTP/Entrepreneurship/ Project-based internship/PEC*	12	
Program Elective Courses	Program Elective Courses (PEC)	22	
Talent Enhanced Basket	Talent Enhanced Basket (TEB)	6	
Open Elective Courses (OEC)	Open Elective Courses (OEC) Institutes Across the globe* / IITR	9-12	9-12
Community Outreach (CORE)	Community Outreach (CORE)	2	2
	Total Credits to be earned	**155-158**	
	Total Credits to be earned (For those who opt for degree with minor specialisation/ department honors course)	**173-178**	
Non-Credits Elements (NCE)	**Components**	**Maximum Units**	**Minimum Units**
	Discipline	16	8
	NCC/NSS/NSO	8	4
	Internship	24	8
	Participation in professional development program by industry experts / field experts (PPD-1 & PPD-2)	8	4
Minimum Non-Credits Units to be earned: 24			

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Table-2c: Credits for Five-year UG (B.Arch./BS-MS/Int. M.Tech.) Programs

Curriculum components and suggested ranges		B.Arch.		BS-MS		Int. M.Tech.	
Institute Core Course	HSSC	5	52-58	5	52-58	5	52-58
	HSSEC	6		6		6	
	MC	3		3		3	
	BSC	12-20		12-20		12-20	
	ESC	8-20		8-20		8-20	
	DSC	4		4		4	
	ESSC	3		3		3	
	TM	4		4		4	
Program Core Course	Class Contact Core Courses (CCCC)	74	128	52-62	127-133	52-62	127-133
	Fundamentals of AI/ML	2		2		2	
	Engg. Analysis and design (design thinking based project)/Industry Oriented Problem Solving/ Lab based Project/ Practical Problem/ Case study	4		4		4	
	Technical Communication	2		2		2	
	Thesis	12		16		16	
Program Elective Courses	PEC	18		32-40		32-40	
Talent Enhanced Basket	TEB	8		6-8		6-8	
Open Elective Courses (OEC)	OEC	9-12	9-12	9-12	9-12	9-12	9-12
Community Outreach (CORE)	CORE	2	2	2	2	2	2
Total Credits to be earned		**190-200**					
Total Credits to be earned (For those who opt for degree with minor specialisation/ department honors course)		**208-220**					
Non-Credits Elements (NCE)	**Components**	**Maximum Units**	**Minimum Units**	**Maximum Units**	**Minimum Units**	**Maximum Units**	**Minimum Units**
	Discipline	20	10	20	10	20	10
	NCC/NSS/NSO	8	4	8	4	8	4
	Internship	32	10	32	10	32	10
	Participation in professional development program by industry experts / field experts (PPD-1 & PPD-2)	12	6	12	6	12	6
Minimum Non-Credits Units to be earned: 30							

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Table-3: Institute Core Courses for UG Programs

Curricular Component		Credits	Contact Hours/Week L	T	P	Total
(i) Humanities and Social Sciences (HSSC)						
1. Soft Skills		03	2	0	2	04
2. Indian Knowledge System		02	2	0	0	02
Total		**04**				
(ii) Basic Sciences (BSC)						
1. Mathematics-I		04	3	1	0	04
2. Mathematics-II (Module form)		04	3	1	0	04
3. Physics-I		04	3	1	(2/2)	04
4. Department	specific course-I* (Optional)	03/04	-	-	-	03/04
5. Department	specific course-II* (Optional)	03/04	-	-	-	03/04
(*from any science department)						
Total		**12-20**				
(iii) Environmental Science and Sustainability Courses (ESSC)						
1. Environmental Science & Sustainability		03	3	0	0	03
Total		**03**				
(iv) Engineering Science Courses (ESC)						
1. Department specific course-I		04	3	1	0	04
2. Department specific course-II		04	3	1	0	04
3. Department specific course-III (Optional)		04	3	1	0	04
4. Department specific course-IV (Optional)		04	3	1	0	04
5. Department specific course-V (Optional)		04	3	1	0	04
(*from any engineering department)						
Total		**8-20**				
(v) Management Course						
1. Fundamentals of Management		03	3	0	0	03
Total		**03**				
(vi) Data Science Course						
1. Data Science		04	3	1	0	04
Total		**04**				
(vii) Tinkering & Mentoring Course						
1. Tinkering & Mentoring		2	-	-	-	-
2. Basics of IP and Entrepreneurship		2	2	0	0	02
Total		**04**				

Table-4: Institute Elective Courses

	Credits	Contact Hours/Week L	T	P	Total
(i) Humanities and Social Sciences Elective Courses (HSSEC)					
1. Course from Humanities and Social Sciences	06	2	1	0	03
Total	**06**				
(ii) Open Elective Course (OEC)					
2. Courses from any Department/Centre/School	9-12	3	0/1	0	03/04
Total	**9-12**				

The complete list of Institute Elective Courses, both HSSEC and OEC, is given on the Institute website (www.iitr.ac.in) along with the detailed teaching schemes of all undergraduate programs. The student can select one course from each category from these baskets.

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Course Coding

Each course (subject) of a program has a number of credits assigned to it, depending on the academic contents and weekly contact hours (lectures, tutorials and practical). Normally one credit is assigned to each lecture of one hour or one tutorial hour or two practical hours per week.

A course is identified by a course code designated by a string of alpha-numeric characters and a course title. In a course code, first two letters of the string indicate the Academic Department/Centre/School offering the course followed by 'I'/ 'E'/ 'B'/ 'O'/ 'C'/ 'L'/ 'S'/ 'P'/ 'T' usually indicating a course as given below and the last three numbers indicating the particular course:

I : Institute Core Course
E : Engineering Science Course
B : Basic Science Course
O : Open Elective Course
C : Program Core Course
L : Program Elective Course
S : Environmental Science & Sustainability Course
P : Project
T : Talent Enhancement Course.

The letters symbolising various Academic Departments/Centres/School offering courses are:

AM	Applied Mathematics & Scientific Computing	AR	Architecture and Planning
BE	Biosciences & Bioengineering	CH	Chemical Engineering
CE	Civil Engineering	CS	Computer Science and Engineering
CY	Chemistry	DA	Mehta Family School for DS & AI
DE	Design	DM	Disaster Mitigation & Management
DS	International Centre of Excellence for Dams	EC	Electronics and Communication Engg.
EE	Electrical Engineering	EQ	Earthquake Engineering
ES	Earth Sciences	HR	Hydro and Renewable Energy
HS	Humanities and Social Sciences	HY	Hydrology
IK	Indian Knowledge Systems	MA	Mathematics
MI	Mechanical and Industrial Engineering	MS	Management Studies
MT	Metallurgical and Materials Engineering	NT	Nanotechnology
PE	Polymer and Process Engineering	PH	Physics
PP	Paper Technology	PQ	Photonics and Quantum Communication Technology
SD	Semiconductor Design & Technology	SE	Sustainable Energy
SR	Sustainable Rural Development	SS	Space Science and Technology
TS	Transportation Systems	WR	Water Resources Development and Management

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- The courses under BSC/ESC/ICC category are numbered with the prefix of the department code followed by 'B'/ 'E'/ 'I' indicating a course in Basic Science Category/Engineering Science Category/Institute Core Category. For example, the basic science course 'Fundamentals of Organic Chemistry' offered by the Department of Chemistry is coded as CYB-101.
- The courses under PCC category are numbered with the prefix of department code followed by 'C' indicating a course in Program Core Course Category. For example, the PCC course, 'Organic Chemistry-I, offered in first year Spring Semester is numbered as CYC-102.
- The courses under PEC category are numbered with the prefix of department code followed by 'L' indicating a course in Program Elective Course Category. For example, the PEC course, 'Bioinorganic and Biomimetic Chemistry, offered by Department of Chemistry is numbered as CYL-302.

Abbreviations and Notations

Credits: Cr

Teaching Engagements

- Every course follows some teaching schedule for which weekly contact hours are decided for delivering lectures, engaging tutorials and performing practicals.

L: Lecture T: Tutorial P: Practical

- In the syllabi, the information regarding number of course credits and contact hours per week is denoted as (For example):

Credits (L - T - P)

4 (3-1-0)/ (3-1-2/2)/ (3-0-2)

Weights for Course Evaluation

Evaluation of every course is based on the weights assigned to various components of the course curriculum. These components are designated as under:

CWS:	Class Work Sessional	PRS:	Practical Sessional
MTE:	Mid Term Examination	ETE:	End Term Examination
PRE:	Practical Examination		

In general, the relative weights assigned to different components of all the courses except for the courses of Department of Architecture and Planning, and Department of Design, are as given in the table below:

SL. No.	Course Type			Examination		Relative Weights				
	L	T	P	TH	PR	CWS	PRS	MTE	ETE	PRE
1.	3 or 2	1 or 0	0	Yes	-	20-35	-	20-30	40-50	-
2.	3 or 2	1 or 0	2/2	Yes	Yes/No*	15-30	20	15-25	30-40	-
3.	3 or 2	1 or 0	02	Yes	Yes/No*	10-25	25	15-25	30-40	-
4.	-	-	4 or 6	-	Yes	-	50	-	-	50

*The practical examination, if any, will be conducted in the last few lab classes.

Note: The weights of the courses of Department of Architecture and Planning, and Department of Design are available in their respective program structures.

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An example is given below: '**MIC-101: Programming and Data Structure**' refers to a course offered by the Department of Mechanical and Industrial Engineering to the students of first year of B.Tech. (ME/PI) programs and is offered in the Autumn Semester.

SL. No.	Teaching Scheme		Subject Area	Credits	Contact Hours/ Week			Exam Duration (Hrs.)		Relative Weights				
	Subject Code	Course title			L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	MIC-101	Programming and Data Structure	PCC	4	3	0	2	3	0	10-25	25	15-25	30-40	-

Credit System

The Institute follows continuous evaluation through a credit system for all academic programs. The system offers flexibility to progress at a pace commensurate with the capabilities of a student, subject to minimum credit requirements. There is no annual/semester pass or fail. The evaluation system follows letter grades on a 10-point scale where the performance is measured in terms of weighted grade point averages (SGPA and CGPA). A student has to satisfy minimum earned credit requirements to be eligible for the award of degree (Table-2).

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ORDINANCES FOR UNDERGRADUATE (UG) PROGRAMS

Short Title & Commencement	1	(1)	These ordinances shall be called the Ordinances for Undergraduate Programs, and will be applicable to four-year B.Tech., four-year B.Des., five-year B.Arch., five-year Integrated Masters, five-year Integrated Dual-Degree and five-year BS-MS (with exit policy) Programs of the Indian Institute of Technology Roorkee.
		(2)	These ordinances shall come into force with effect from such date as the Senate/ Board may fix in this behalf.
Definitions	2	(1)	**"ADA"** shall mean Associate Dean, Admission& IT Systems.
		(2)	**"ADC"** shall mean Associate Dean, Curriculum.
		(3)	**"ADE"** shall mean Associate Dean, Evaluation.
		(4)	**"Applicant"** shall mean an individual who applies for admission to any undergraduate program of the Institute.
		(5)	**"B.Arch."** shall mean the five-year Bachelor Degree in Architecture.
		(6)	**"B.Des."** shall mean the four-year Bachelor Degree in Design.
		(7)	**"BS-MS"** shall mean the five-year Bachelor-Master Degree in Science.
		(8)	**"B.Tech."** shall mean the four-year Bachelor Degree in Technology.
		(9)	**"Board"** shall mean the Board of Governors of the Institute.
		(10)	**"CAPC"** shall mean the Centre's Academic Program Committee.
		(11)	**"Casual Student"** shall mean a student who is registered for a degree in a recognized Institution/ University in India or abroad and is officially sponsored by his parent institute to avail laboratory and other academic facilities or for attending a formal set of courses of the Institute.
		(12)	**"CFC"** shall mean Centre's Faculty Committee.
		(13)	**"CGPA"** shall mean the Cumulative Grade Point Average.
		(14)	**"Council"** shall mean the Council of the Indian Institutes of Technology.
		(15)	**"Course"** shall mean a curricular component identified by a designated code number and a title.
		(16)	**"Course Coordinator"** shall mean a faculty member who shall have full responsibility for the course and coordinating the academic activities associated with that course, including examinations and the award of grades.
		(17)	**"Degree"** shall mean the Bachelor's degree viz. B.Tech. or B.Arch. or B. Des.; or the Integrated Master's degree. viz M.Tech.; or the Integrated dual degrees viz. B.Tech. and M.Tech.; or BS-MS, and such other degrees of the Institute as may be approved by the Board from time to time.
		(18)	**"DAA"** shall mean the Dean of Academic Affairs.
		(19)	**"DAPC"** shall mean the Departmental Academic Program Committee.
		(20)	**"DFC"** shall mean Department Faculty Committee
		(21)	**"DoSW"** shall mean the Dean of Students' Welfare.

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		(22)	**"Faculty Advisor"** shall mean a faculty nominated by the Department/Academic Centre/School to advise a student on the courses to be taken by him/her and other matters related to the academic program.
		(23)	**"GEN-EWS"** shall mean the General Economically Weaker Section.
		(24)	**"Grade Moderation Committee"** shall mean the committee appointed by the Department/Academic Centre/School to moderate grades awarded by the Course Coordinators in different courses in a semester.
		(25)	**"IAPC"** shall mean the Institute Academic Program Committee.
		(26)	**"Institute"** shall mean the Indian Institute of Technology Roorkee.
		(27)	**"Integrated Dual Degree or IDD"** shall mean the five-year Integrated Dual Degrees, namely, B.Tech. (parent discipline) and M.Tech. (specialisation of any discipline) of the Institute.
		(28)	**"Integrated Master's Degree or IMT"** shall mean the five-year Integrated Master's Degree in Technology.
		(29)	**"JEE (Advanced)"** shall mean the Joint Entrance Examination (Advanced) for admission to undergraduate programs of all the IITs.
		(30)	**"JoSAA"** shall mean the Joint Seat Allocation Authority of all the IITs/NITs/IISc for admission of students to various academic programs through Joint Entrance Examination (JEE).
		(31)	**"OBC-NC"** shall mean the other backward classes – non creamy layer as notified by the Government of India from time to time.
		(32)	**"PD"** shall mean the persons with different ability as specified by the Government of India from time to time.
		(33)	**"PG"** shall mean Post Graduate.
		(34)	**"PFC"** shall mean Program Faculty Committee.
		(35)	**"ScAPC"** shall mean the School Academic Program Committee.
		(36)	**"ScFC"** shall mean the School Faculty Committee.
		(37)	**"SC/ST'** shall mean the scheduled castes/scheduled tribes as notified by the Government of India from time to time.
		(38)	**"Scheme of Teaching and Examination"** shall mean the scheme of teaching and examination for a branch of study as approved by the Senate.
		(39)	**"SGPA"** shall mean the Semester Grade Point Average.
		(40)	**"Student"** shall mean a student registered for an academic program of the Institute.
		(41)	**"UCEED"** shall mean the Undergraduate Common Entrance Examination for admission to B.Des. program.
		(42)	**"UG"** shall mean Undergraduate including B.Tech., B.Arch., B. Des., IDD, Int. M.Tech. and BS-MS program.
		(43)	**"UGTA"** shall mean the Undergraduate Teaching Assistant.

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Ordinances	**3**	(1)	The Institute shall offer UG programs and of such minimum duration as the Board may approve on the recommendation of the Senate either on its own or on the initiative of a Department/an Academic Centre/School, and/or on the direction of the Board/Council/Government of India, provided that the Institute Academic Program Committee (IAPC) shall recommend all such programs. Provided further that an interdisciplinary program may be proposed by a Department/an Academic Centre/School or by a committee appointed by the Director for the consideration of the IAPC, the Senate and the Board.
		(2)	The procedure for starting a new program, temporarily suspending a program or phasing out a program shall be such as may be laid down in the regulations.
		(3)	The minimum entry qualifications and the policy and procedure of admission to UG programs shall be such as may be specified by the JOSAA/Council/Government of India and/or laid down in the regulations.
		(4)	A UG student shall be required to earn a minimum number of credits through various curricular components like lectures/laboratory courses, project, etc. at the Institute or at such other Institutions as have been approved by the Institute. For a UG student, the thesis/project and other similarly designated academic activities shall have to be undertaken under the guidance of one or more supervisor(s) from the Institute. However, a UG student may be permitted by the DAPC/CAPC/ScAPC to carry out in full or part of his/her thesis/project outside the Institute. In such cases, an additional supervisor from the host Organization/Institute, if considered necessary, may be appointed by the DAPC/CAPC/ScAPC on the recommendation of the supervisor(s) from the Institute.
		(5)	A UG student shall be required to complete all the requirements for the award of the Degree within such period as may be specified in the regulations, including those credits earned at such other institutions as have been recognized by the Institute for this purpose.
		(6)	The date of initial registration of a student in a UG program shall normally be the date on which the student registers for the first time. This date shall be construed as the date of joining of the student in the program for all intents and purposes.
		(7)	A student shall be required normally to attend every lecture, tutorial and practical class. However, for late registration, sickness or other such exigencies, absence may be allowed as provided for in the regulations.
		(8)	A UG student may be granted such scholarship/studentship/ assistantship/stipend, etc. and awarded such prizes and medals as may be specified in the regulations in accordance with the directions of the Government of India and/or the decision of the Council/ Board from time to time.
		(9)	The procedure for the admission of a student to a UG program shall be such as may be decided by the JoSAA and/or as specified in the regulations; the casual students may be allowed access to academic programs in the manner as provided for under the regulations.

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		(10)	In case all the reserved seats for SC/ST/PD category are not filled even with relaxed admission norms, the students in this category who satisfy certain minimum norms specified for this purpose may be offered admission to one-year preparatory program. On successful completion of the preparatory courses, these students may be offered admission against the unfilled quota of seats as provided for in the regulations.
		(11)	The procedure for the withdrawal from a UG program, rejoining the program, the award of grades and the SGPA/CGPA, the examination and all such matters as may be connected with the running of a UG program shall be such as may be specified in the regulations.
		(12)	The award of the UG degree to an eligible student shall be made in accordance with the procedure laid down in the regulations.
		(13)	A student admitted to a UG program shall abide by the "Standing Orders for Students" issued by the Institute from time to time. These standing orders shall deal with the discipline of the students in the Bhawans /Hostels, Departments/ Centres/School, the Institute premises and outside. The Standing Orders may also deal with such other matters as are considered necessary for the general conduct of the students, and co-curricular and extra-curricular activities. These Standing Orders shall be approved by the Director on the recommendation of the Dean of Students' Welfare.
		(14)	The regulations for the UG program shall be framed by the IAPC, which shall be considered and approved by the Senate.
		(15)	In special circumstances, the Chairman of the Board may, on behalf of the Board, approve amendment, modification, insertion or deletion of an Ordinance, which in his opinion is necessary or expedient for the smooth running of a program, provided that all such changes shall be reported to the Board in its next meeting for approval.
		(16)	Notwithstanding anything contained in the above Ordinances, no regulations shall be made in contravention of the decision of the Board/ Council and/or the direction of the Government of India in regard to the duration of the UG program, the amount and number of scholarship/assistantship and the number of studentships and the procedure of admission and the percentage of students of various categories, viz. reserved (SC/ST, OBC-NC, PD, GEN-EWS) and unreserved categories.

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REGULATIONS FOR THE UNDERGRADUATE PROGRAMS

Short Title & Commencement	1	(1)	These regulations shall be called the regulations for the UG programs of the Institute.
		(2)	These regulations shall come into force on such date as the Director may appoint on his behalf.
UG Program Structure	2	(1)	The list of currently offered UG programs and the broad program structures are given in Table-1, Table-2. The detailed program structures are available on the Institute website. The structure and program may be amended/modified in accordance with the decisions of the Senate and the Board.
B.Tech./B.Des./B.Arch. Programs	3a	(1)	The Institute may offer such undergraduate programs leading to Bachelor of Technology, B.Tech.; Bachelor of Design, B.Des.; and Bachelor of Architecture, B. Arch. as may be the degree approved by the Senate and the Board.
		(2)	The duration of UG programs leading to the degrees B.Tech. and B.Des. are of normally four years and for B.Arch., it is five years. However, the maximum duration for the B.Tech. and B. Des programs is six years, and for B.Arch., it is seven years, from the date of initial registration. The maximum duration of the program includes the period of withdrawal, absence and different kinds of leaves permissible to a student, but it shall exclude the period of rustication. The duration for the program may be altered in accordance with the decision of the Board/Council/Government of India.
Integrated Dual Degree Programs	3b	(1)	A student of a B.Tech. program at the end of 3rd year can opt to switch over to any of the M.Tech. programs whose eligibility criteria he/she satisfies. The conversion would require a minimum CGPA of 7.5 at the end of 3rd year and the consents of the DAPCs of the concerned Departments/Centers/Schools. On successful completion of the program, the student will get corresponding B.Tech. and M.Tech. degrees under the Integrated Dual Degree Programs (IDD).
Integrated M.Tech. Programs	3c	(1)	The Institute may offer a five-year Integrated Master's Degree, namely M.Tech. in different academic departments/centres of the Institute as may be approved by the Senate and the Board. On successful completion of the program, the student will get M.Tech. degree under the Integrated M.Tech. Program.
		(2)	The duration of an Integrated M.Tech. Program is normally five years and the maximum duration is seven years from the date of initial registration. The maximum duration of the program includes the period of withdrawal, absence and different kinds of leave permissible to a student, but it shall exclude the period of rustication. The duration for the Program may be altered in accordance with the decision of the Board/Council/ Government of India.

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BS-MS Programs	**3d**	(1)	The Institute may offer such five-year BS-MS programs leading to Bachelor's and Master's Degree in Science, as may be approved by the Senate and the Board. Student may opt to exit the program with a BS degree after successful completion of four years.
		(2)	The duration of a BS-MS program leading to Bachelor's and Master's degree in science is normally five years and the maximum duration is seven years from the date of initial registration. The maximum duration of the program includes the period of withdrawal, absence and different kinds of leave permissible to a student, but it shall exclude the period of rustication. The duration for the Program may be altered in accordance with the decision of the Board/Council/Government of India.
Institute Academic Program Committee (IAPC)	**4**	(1)	The Institute Academic Program Committee (IAPC) shall be a sub-committee of the Senate, which shall consider all the academic matters recommended by the Departmental/Centre/School's Academic Program Committee (DAPC/CAPC/ScAPC) and coordinate the activities related to UG and PG programs. It shall also consider and recommend the broad framework and policies related to the UG and PG programs to the Senate.
Departmental/Centre/School's/ Program Faculty Committee (DFC/CFC/SFC/PFC)	**5**	(1)	There shall be a Faculty Committee consisting of all the faculty members of a Department/Centre/School, which may be called the Departmental/Centre/School's Faculty Committee (DFC/CFC/SFC). It shall be constituted by every Academic Department/Centre/School.
		(2)	The DFC/CFC/SFC shall be responsible for considering all the policy issues concerning academic and research programs of the Department/ Academic Centre/ School. The DFC/CFC/SFC shall formulate academic programs and courses as recommended by the DAPC/ CAPC/ ScAPC and DRC/CRC/ScRC to it and send its recommendation to the Dean, Academic Affairs for his consideration and necessary action.
		(3)	For an interdisciplinary program, a Program Faculty Committee (PFC) shall be constituted by the Dean, Academics Affairs and it shall look after all academic matters pertaining to that program. A Program Coordinator shall be appointed by the Director in consultation with the Dean, Academic Affairs and the Heads of the concerned Departments/Centres/School to look after all the administrative and academic matters related to the interdisciplinary program. The Program Coordinator shall exercise the functions of the Head of a Department/ Chairman, DAPC/CAPC/ScAPC for such a program.

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Departmental/Centre/School's Academic Program Committee (DAPC/CAPC/ScAPC)	**6**	(1)	The Departmental/Centre/School's Academic Program Committee (DAPC/CAPC/ScAPC) shall be constituted by the DFC/CFC/SFC/PFC to look after all academic matters pertaining to the UG and PG programs offered by the Department/Centre/School. Where DAPC/CAPC/ScAPC does not exist, the functions of the DAPC/CAPC/ScAPC and its Chairman shall be performed by the Head of the Department/Centre/School in consultation with a Committee proposed by him and approved by the Dean, Academic Affairs, for this purpose, if necessary.
Phasing Out of a Program	**7**	(1)	The phasing out of any UG/PG program may be considered by the Senate on the recommendation of a DFC/CFC/SFC/PFC and the IAPC. A program may also be phased out by the Senate on the recommendation of the IAPC if the number of students registering for the program is less than 40% of the sanctioned intake of the students, consecutively for three years.
Starting a New Program	**8**	(1)	The Board may approve the starting of a new program or a modified program in lieu of the old phased-out program on the recommendations of the DFC/CFC/SFC/PFC, the IAPC and the Senate.
		(2)	A new program may be considered and recommended by the Senate to the Board for its consideration and approval. Such a proposal will be initiated by a Department/Academic Centre/ School through its DFC/ CFC/SFC/PFC and considered and recommended by the IAPC.
		(3)	An interdisciplinary program may be proposed by a Department /Academic Centre/School in consultation with other participating Department(s)/Academic Centre(s)/School(s), or by a group of Department(s)/ Academic Centre(s)/School(s), or by a Committee appointed by the Director, for the consideration of the IAPC and the Senate for their recommendation to the Board of Governors for obtaining its approval.
Semester System	**9**	(1)	The academic programs in the Institute shall be based on semester system: Autumn and Spring semesters in a year, with winter and summer vacations. A number of courses shall be offered in each semester.
		(2)	Each course shall have a certain number of credits assigned to it depending upon the academic load of the course assessed on the basis of weekly contact hours of lecture, tutorial and laboratory classes, assignments or field study and/or self-study.
		(3)	The courses offered in a semester shall be continually assessed and evaluated to judge the performance of a student.

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Admissions	**10**	(1)	Admission to all UG programs, except B.Des., shall be through JEE (Advanced). The policy of admissions, the eligibility thereof and other issues pertaining to JEE (Advanced) shall be as laid down by JOSAA and/or directed by the Council/Government of India from time to time. Admission to B.Des. program shall be through UCEED.
		(2)	Foreign nationals either residing in India or abroad or Indian nationals residing abroad may be admitted to any UG program through JEE (Advanced). The policy of admissions, the eligibility thereof and other issues pertaining to JEE (Advanced) shall be as laid down by JOSAA and/or directed by the Council/Government of India from time to time.
Tuition Fee	**11**	(1)	The SC/ST/PD students shall get complete tuition fee waiver.
		(2)	The most economically backward students (whose family income is less than Rs. 1 lakh per annum) shall get full remission of the tuition fee.
		(3)	The other economically backward students (whose family income is between Rs. 1 lakh to Rs. 5 lakh per annum) shall get remission of 2/3rd of the tuition fee.
Refund of Fee	**12**	(1)	The fee and other charges deposited by a candidate seeking admission will be refunded if the student does not join the program and leaves the Institute by applying for refund on or before the date of registration. The Institute shall decide the amount to be refunded but no refund of fee shall be permissible to students who register for the program and leave thereafter. In such cases only the caution money will be refunded at the end of the semester.
Allotment of Branch/Program and its Change	**13**	(1)	The allotment of branch/program to a student shall be made at the time of counselling by JoSSA on the basis of merit according to the preference of the student and the availability of seats.
		(2)	A student admitted to a UG program, except those in B.Arch. and B.Des. programs, shall be eligible to apply for change of branch/program at the end of the Autumn Semester of the First year provided that the student satisfies the following criteria: (i) He/she has earned all the specified credits in the program structure at the end of the Autumn Semester. (ii) He/she has not failed in any course. (iii) He/she has not been penalized for indiscipline.
		(3)	The change of branch/program shall be strictly against the number of vacancies or 10% of the **sanctioned strength** of the branch/program to which the change in sought, whichever is higher.

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		(4)	In making a change of branch/program, the resulting strength (number of students) of the branch/program from which the transfer is being made should not fall by more than twenty five percent of the **existing strength.**
		(5)	If a student of Branch/Program-A with SGPA X is denied change to Branch/Program-B because of rule 13(4), change to Branch/Programs-B cannot be offered to any other student having SGPA less than or equal to X (even from branches/programs other than Branch/Program-A). However, such students (from branches other than Branch/Program-A) can be offered a branch/program other than B. The students with SGPA equal to X but having higher JEE rank than the student of Branch/Program-A can, however, be allowed to move to Branch/Program-B.
		(6)	The eligible applicants should be allowed change of branch/program strictly on the basis of inter-se-merit as reflected in their SGPA. In case the SGPAs of more than one student seeking the change of branch/program are equal, their inter-se-merit shall be decided on the basis of their ranks in JEE (Advanced).
Academic Registration	**14**	(1)	Every student shall register in each semester on the scheduled date as per academic calendar till the completion of the degree.
		(2)	In case, a student is proceeding on summer internship, late registration may be allowed, by the Dean, Academic Affairs, only up to a maximum of 10 working days after the scheduled registration date without late registration fee. If the student does not register on scheduled date, the student has to pay late registration fee as per rule.
Faculty Advisor	**15**	(1)	There will be a Faculty Advisor for each student as appointed by the Head of the Department/Centre/ School, on the recommendation of DAPC/CAPC/ ScAPC, who will be responsible for advising the student for registration and other academic matters.
Course Coordinator	**16**	(1)	Every course offered by a Department/ Academic Centre/ School shall be coordinated by a Course Coordinator appointed by the Head of the Department/ Centre/School on the recommendation of DAPC/CAPC/ ScAPC. The Course Coordinator shall have full responsibility for the course. He/she shall coordinate with other faculty member(s) involved in that course for the academic activities associated with that course, including examinations and the award of grades.
Advisor, SC/ST Students of Preparatory Course	**17**	(1)	The ADE will perform the duties of Advisor for the SC/ST students of the Preparatory Course.

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Subject Registration	**18**	(1)	Every student shall register for the courses that he/she wants to study for earning credits and his/her name will appear in the student list of each of these courses. No credit shall be given if a student is not registered for the course. The performance of a student in all the courses, for which he/she has registered, shall be included in his/her grade sheet.
		(2)	Registration for courses to be taken in a particular semester shall be carried out according to specified schedule. In-absentia registration may be allowed only in rare cases such as illness or any other contingency, at the discretion of the Dean, Academic Affairs.
		(3)	Under special circumstances, a student may be allowed late course registration by the Dean, Academic Affairs till a specified date.
		(4)	A student may register for a minimum of 14 credits and a maximum of 24 credits in a semester. But on the recommendation of the DAPC/CAPC/ScAPC, the Dean, Academic Affairs, may allow a student to register for a maximum of 28 credits for more than two semesters with no condition on CGPA for the first two time and with the condition CGPA>7.0 subsequently.
		(5)	A student may add or delete courses during the first ten days of the semester as per the Academic Calendar.
		(6)	The details of courses registered by the student shall be available on the online academic portal which shall be the official record of the courses registered.
		(7)	At the time of completing the registration form or any subsequent change in the registration, every student shall consult his/her Faculty Advisor. The Faculty Advisor shall advise the student in regard to the minimum and the maximum number of total credits to be registered for in the context of his/her past performance, backlog of courses, SGPA/CGPA and individual interest.
		(8)	A student can take up to 2 PECs (maximum 8 credits) from sister department(s), subject to the approval of the DAPCs of the concerned departments.
Minimum Number of Students Requirement for an Elective Course	**19**	(1)	An elective course in a Department/ Academic Centre /School shall run only if a minimum of 5 students registers for it in a semester whereas an Institute Elective/Open Elective shall run only if a minimum of 15 students registers for it in a semester. However, under special circumstances a course may run with fewer students too with prior permission of Dean, Academic Affairs.
Course Codes	**20**	(1)	Each course offered by the Institute shall be identified by a course code, normally consisting of a string of six alpha-numeric characters followed by a course title. The first two characters in a course code shall be capital

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			letters identifying normally the concerned Department/ Academic Centre/School offering/ coordinating the course followed by 'B/E/I/C/S/L/P/O/T' indicating the course category. The next three characters are numerical digits: the first one normally specifies the year of study and the last two digits specify the course number and the semester in which the course shall be offered. Normally, odd number in the course code will indicate that the course will be offered in the Autumn semester, and the even number will indicate that the course will be offered in the Spring semester of the year. For all the UG programs normally, 100 series shall be for the courses in first year, 200 for the courses in the second year and so on. The seventh character may be used in few cases to differentiate courses of same nature. The first numerical digit for a preparatory course shall be zero.
Course Credits	**21**	(1)	Each course shall have an integer number of credits. The number of credits of a course in a semester shall normally be calculated as under:
		(2)	Lectures/Tutorials: One lecture/tutorial hour per week shall normally be assigned one credit.
		(3)	Practicals: Two laboratory hours per week shall be assigned one credit. However, for a course having two/three laboratory hours every alternate week, a maximum of one credit shall be assigned for practical component.
		(4)	Special courses like project, practical, project-based internship, thesis etc. in a UG program shall be treated as any other course and shall be assigned such number of credits as may be approved by the Senate.
Course Evaluation	**22**	(1)	A student shall be evaluated for his/her academic performance in a course through tutorials, practicals, homework assignments, term papers, field work, seminars, quizzes etc. as Class Work Sessionals (CWS) and Practical Sessionals (PRS); Mid Term Examination (MTE), End Term Examination (ETE), and Practical Examinations (PRE) as applicable according to the guidelines formulated for this purpose.
		(2)	The distribution of weights for each component shall be decided and announced by the Course Coordinator at the beginning of the course, subject to such stipulations as are given in the Scheme of Teaching and Examination for a given program.
		(3)	The criteria for evaluation of any course shall be declared in the first week of commencement of the classes. The department may consider the proposal of course coordinator to have open book examination of any course. If the DFC decided to have open book examination of any course, the same shall be notified to all concerned students at the beginning of the semester, with a copy to the Dean, Academic Affairs for information.

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		(4)	The answers of the questions cannot be written in pencil in the answer scripts of MTE/ETE.
		(5)	Evaluation of answer scripts cannot be done in pencil.
		(6)	A student may go through his/her answer script of MTE/ETE and point out any discrepancy in its evaluation on a day fixed by the Course Coordinator.
		(7)	The Head of the Department/Centre/School shall ensure that ETE answer scripts are shown to the students before moderation, on a date to be specified and announced by the course coordinator. Further, the answer scripts are preserved by the course coordinator for six months after the examination, before handing over the same to departmental stock for disposal.
		(8)	The answer scripts of the ETE shall not be shown to a student after finalization of the grades by the Grade Moderation Committee.
		(9)	The practical/field training shall normally be evaluated through the quality of work carried out, the report submitted and presentation(s).
		(10)	The project shall be evaluated normally by seminar(s), quality of work carried out, project report, and the viva-voce examination(s).
Grading System	**23**	(1)	The academic performance of a student shall be graded on a 10-point scale following the guidelines given in Appendix-A1. The letter grades and their equivalent grade points are listed in Table-5.
		(2)	The letter grades awarded to a student in all the courses (except audit courses) shall be converted into the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA), to be calculated by the procedures given in Appendix-A1 of these regulations.
		(3)	At the end of the program, a student with CGPA of 8.5 and above shall be awarded 'First Division with Distinction' and a student with CGPA between 6.0 and 8.5 shall be awarded "First Division".
		(4)	All the passing out students of a class shall be given ranks as "Rank XX in a class of YY students".
		(5)	The equivalent percentage of CGPA at the end of the program will be calculated as per the formula given below: Equivalent % = CGPA*10
		(6)	The transcripts will be issued to the students on the successful completion of their programs. On demand, the transcript may also be issued to a student as and when he/she requires it, on payment basis.

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Courses of Special Nature	**24**		A UG program may contain the following courses of special nature in different curricula.
		Engineering Analysis and Design	
		(1)	The UG curriculum contains a course of 4 credits on Engineering Analysis and Design (Design Thinking based project)/ Industry Oriented Problem Solving/ Lab-based Projects/ Practical Problems/ Case Study as a program core course to carry out a design and/or fabrication type of project or laboratory course.
		Technical Communication	
		(2)	The UG curriculum contains a 2-credit program core course on Technical Communication.
		Self-Study Course	
		(3)	Students shall be allowed to take up self-study courses, subject to the following conditions: (i) A self-study course can be taken only if the student has failed in that course earlier. However, this condition may be relaxed if the student is in his/her final semester. (ii) Maximum two self-study courses can be taken in the entire duration of the program, with maximum one self-study course in a semester. (iii) The guidelines for the allocation and evaluation of a self-study course are given in Appendix-C1.
		UG Research Course	
		(4)	(i) UG Research Course (UGR-001) is a 3 credits research course. (ii) The students need to register for this course like any other course, and the credits for this course would be considered as extra credits. (iii) Evaluation will be carried out by a committee constituted by the DAPC of the Department in which the course has been carried out.
		Repeat Course	
		(5)	A UG student may repeat a course that he/she has already passed in any previous semester/year. (i) Only one course in the entire program can be repeated. (ii) The repeated course would be marked 'RP' (Repeated) in the earlier semester and the transcript for the semester in which the course is retaken would show the new grade even if it is lower than the previous one. (iii) The repeat course cannot be taken as a self-study course. (iv) The attendance requirement for lecture classes is waived off. (v) The transcript shall be revised with new grade and SGPA/CGPA after the repeat course.

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Additional (Extra Credits/Audit) Course

(6) A student of a UG program may register in a few additional courses within prescribed limits either as audit courses or credit courses as advised by the Faculty Advisor. The guidelines for the allocation and evaluation of these courses are given in Appendix-C2.

B.Tech. Project/Entrepreneurship/ Project Based Internship

(7) A four-year UG program shall contain a 6-10 credit project as a program core course. The procedure for the conduct and evaluation of the project is given in Appendix-C3.

Seminar

(8) A five-year IDD/IMT program shall contain a 2-credit seminar as a program core course.

Thesis

(9) A five-year UG program shall contain a course 'Thesis' as a program core course. The procedure for the evaluation of this course is given in Appendix-C4-C6.

NPTEL Course

(10) A student of a UG program may register for an NPTEL course as per the guidelines given below:

1. The NPTEL courses for various programs can be taken as audit courses only. The NPTEL courses cannot be allowed in lieu of PEC/PCC/DHC/MSC/extra credit courses.

However, the NPTEL courses in lieu of PEC may be allowed to the students in the following cases:

(i) enrolled in exchange programs
(ii) enrolled in part-time
(iii) awaiting for only one course to be completed
(iv) on medical grounds etc.

Program	No. of courses/ Credits allowed	Remarks
UG	Up to 8 credits (max. 2 courses)	Courses should be approved by DAPC/ CAPC/ScAPC of the concerned department
PG	Up to 4 credits (max. 1 course)	Courses should be approved by DAPC/ CAPC/ ScAPC of the concerned department

2. The credit equivalence would be as follows:

Duration of course (hrs)	Credits
10	2
20	3
30	4

The evaluation procedure of the NPTEL courses is given in Appendix-C7.

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		Tinkering & Mentoring	
		(11)	Tinkering – This is a project-based course to nurture creative abilities of students. Mentoring - To create awareness on Ethics, IPR, Entrepreneurship and Standardization.
		Talent Enhancement Basket	
		(12)	A UG program contains basket(s) of practical oriented skill development courses in relevant areas. Students may choose such courses to attain skill in a focused area.
		CORE	
		(13)	A UG program contains a course of 2-credit on Community Outreach, to provide/create opportunities for students to work with the society in the form of community development projects. This may also be done in association with NGOs, local government bodies, boot camps etc., if required.
		Non-Credit Elements	
		(14)	A student is required to complete a minimum number of non-credit elements to complete the degree requirement. These elements have been introduced to develop the overall personality of the student. (i) **Discipline:** This will be evaluated by the DoSW at the end of each academic year. Student's performance will be evaluated in each semester on 0-2 unit scale. (ii) **NCC/NSS/NSO:** This will be evaluated by the DoSW with the help of the concerned Professor(s) In-charge of NCC/ NSS/ NSO. Student's performance will be evaluated in each semester on 0-2 unit scale. (iii) **Internship:** This will be evaluated by the Department/ School/ Centre throughout the program at the end of each academic year. One week of internship will be equivalent to 1 unit. (iv) **Participation in professional development programs by industry experts/field experts (PPD-1 and PPD-2):** This will be evaluated by the Department/ School/Centre and equivalency will also be decided by the Department/ School/ Centre.
Grade Moderation Committee	**25**	(1)	The Head of the Department/Centre/School shall appoint a Grade Moderation Committee that consist of HoD, Chairman, DAPC/CAPC/ScAPC and Course Coordinator. If needed, HoD may nominate a few additional faculty members for this committee. For Institute level courses, having large number of students (>200), the Grade Moderation Committee will be formed by the Dean Academics in consultation with Course Coordinator(s) and concern HoD.

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		(2)	The Grade Moderation Committee for the common courses of first year shall consist of all the Course Coordinators of the courses offered to the first-year students in a semester, with the ADE as the Chairman.
Scrutiny of Grades	**26**	(1)	A student may apply for scrutiny of grades to the Chairman, DAPC/CAPC/ScAPC, within the specified date. The Grade Moderation Committee may verify the entry of the marks from different components of evaluation and their addition. For the first-year common courses, the Chairman of the Grade Moderation Committee and the Course Coordinator shall constitute the Scrutiny Committee.
		(2)	In exceptional cases, the grade(s) of a student or a group of students may be scrutinized by a committee constituted by the Dean, Academic Affairs.
Unfair means and Plagiarism	**27**	(1)	All UG project reports/Master's thesis should go through a similarity check using appropriate software. With the help of supervisor, the candidate should address the similarities flagged by the software which merit corrective action. The guidelines as shown in Appendix-B1 shall be applicable for checking plagiarism.
		(2)	In case a student is found adopting or suspected of adopting unfair means before, during or after the examination; or lifting or copying of work(s) of someone else and inserting it in his, Project, Dissertation, or Report, etc. without proper acknowledgment, credit and reference, or plagiarizing the Dissertation/ Project/ Reports, etc., such penal action shall be taken by the Institute against the student as may be necessary and adequate to uphold the sanctity and integrity of the examination system and the credibility of the Institute.
		(3)	All such cases of unfair means and plagiarism shall be suo-moto taken cognizance of by the Institute Standing Committee appointed by the Senate for this purpose. Such cases may also be reported by any person, including invigilator(s)/ examiner(s) to the Dean, Academic Affairs and/or the Institute Standing Committee for its consideration. General Instructions for penal action for use of unfair means and plagiarism are given in Appendix-D1. The constitution of the Standing Committee to look into the cases of unfair means and plagiarism is given below: (i) Dean, Academic Affairs — Chairman (ii) ADoAA (Evaluation) — Member (iii) Concerned HoD — Member (iv) ADoSW (SW) — Member (v) Chairperson, IAEC — Member (vi) Concerned Course Coordinator — Member (vii) Gen. Secretary, UG (Academic) — Member

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		(4)	For Class Work submissions, the Course Coordinator may report the matter to the concerned DAPC/CAPC/ ScAPC as the case may be. The DAPC/CAPC/ScAPC may, after considering the matter reported to it and after giving an opportunity to the concerned student(s) to explain their conduct, impose appropriate penalty, on the concerned student(s).
		(5)	Any case pertaining to purported to resorting to unfair means / plagiarism before and after the examination/ Dissertation etc. shall be dealt with by the Institute Standing Committee for dealing with the offence/ case. The penalty in such cases of unfair means / plagiarism which have been found to be true and (i) which have occurred before or after the examination, or partly before and during or during and after the examination; (ii) which have been detected after the examination/ declaration of the result/award of the degree; (iii) which have been reported or detected after a research paper report/note/communication has been published in a Research Journal/widely circulated magazine/proceedings of conferences/ seminar or a monograph or a book, and or any electronic device, shall be recommended by the appropriate committees of the Department/Institute Standing Committee, as the case may be. The imposition of any such penalty shall be at the discretion of the Director, who, after considering the full facts and the report on the matter (i) may impose the same penalty, (ii) may reduce the penalty, or (iii) may enhance the penalty as recommended by the committee.
Attendance, Absence, Leave and Withdrawals	28	(1)	All the students of a UG program are expected to be present in every lecture, tutorial, practical or drawing class scheduled for them.
		(2)	The course coordinator may evolve a suitable mechanism to recognize the regular attendance and the course coordinator, at discretion, can assign up to 10% of marks in the semester for attendance. However, it needs to be announced at the beginning of the semester and should be documented with a copy to the Academic Affairs Office.
		(3)	The attendance requirement for only lecture classes in a course would be waived off for the students who received 'F' grade and are repeating the course.
		(4)	If a student is reported absent, without information, from a course for more than two weeks by the Course Coordinator through Head of the concerned department, the Academic Affairs Office will issue a warning letter to the student with a copy to the concerned parents.
		(5)	If the student still continues to remain absent for another

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			two weeks without information, the Academic Affairs Office will drop the name of the student from the course. The student's semester will be dropped in case of such absence from all the registered courses
Second Examination on Medical/ Other special circumstances	**29**	(1)	A student, who fails to appear in the Mid Term Examination due to sudden illness or mishap/ accident may be allowed to take another examination with the permission of DAPC/CAPC/ScAPC on the recommendation of concerned Course Coordinator. In case of medical reasons, his/her request should be supported by Medical Certificate duly signed by the CMO of the Institute Hospital. However, such request for a second examination for the Mid Term Examination should be submitted by the student to the concerned Chairperson, DAPC/CAPC/ScAPC through course coordinator within one week of the completion of the Mid Term Examination.
		(2)	If a student is permitted to represent IIT Roorkee in any competition during MTE, he/she may be allowed to take another examination with the permission of Dean, Academic Affairs on the recommendation of DoSW/ concerned DAPC/CAPC/ScAPC, provided his/her request is supported by appropriate documents. However, such request for second examination for the MTE should be submitted by the student within one week of the completion of the MTE.
		(3)	If a student is absent during ETE of a course due to medical reasons or other special circumstances, he/ she shall be awarded 'I' grade. Such a student should apply for second ETE through the Student's AIS portal within the timeline notified by AAO. In case of medical reasons, he/she may be allowed to take Second Examination with the permission of Dean, Academic Affairs on the recommendation of concerned DAPC/CAPC/ScAPC, provided his/her request is supported by Medical Certificate duly signed by the CMO of the Institute Hospital. In case of special circumstances, he/she may be allowed to take Second Examination with the permission of Dean, Academic Affairs on the recommendation of DoSW/ concerned DAPC/CAPC/ScAPC, provided his/her request is supported by appropriate documents. Second Examination shall normally be held along with the Re-examination of ETE.
		(4)	The application for Second Examination on medical grounds should be supported by a Medical Certificate duly signed by CMO of the Institute. If, however, a student is outside the campus at the time of illness or a mishap/ accident, his/her application should be supported by a Medical Certificate issued by a Medical Officer of the rank of the Deputy Chief Medical Officer or above, of the concerned District. The Institute reserves the right to accept or reject such an application and the decision of the Dean, Academic Affairs shall be final in

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			this respect.
		(5)	In such cases of Second Examination of ETE (on medical/other special circumstances), a student shall be awarded one grade lower than the one which he/she would have otherwise obtained as per the procedures adopted for normal grading. The maximum grade point awarded will be eight (8). However, the grade point four (4) shall not be lowered.
		(6)	In special cases and on the specific recommendation of the Chief Medical Officer, a student may be permitted to appear in his/ her regular examination in the Institute Hospital.
Re-Examination	**30**	(1)	A student, who fails in a course in a semester, may apply for Re-Examination subject to certain conditions. Such a student should apply for Re-Examination through the Student's AIS portal within the timeline notified by AAO.
		(2)	Re-Examination will be allowed only if a student has not been disqualified earlier, because of unfair means.
		(3)	Re-Examination is not permissible for the self-study courses.
		(4)	A student is eligible to apply for Re-Examination to a maximum limit of two courses in a semester.
		(5)	A student will carry the marks obtained by him/her in the MTE, PRE, CWS, and PRS for the evaluation of the grades in Re-Examination.
		(6)	The highest-grade point that can be awarded in the Re-Examination shall be 'six (6)'.
Withdrawal from Course	**31a**	(1)	A student may apply for the withdrawal from a course in a semester through Student's AIS portal within the timeline notified by AAO.
Semester Withdrawal	**31b**	(1)	A student may apply to the Dean, Academic Affairs through Chairman DAPC/CAPC/ScAPC, for withdrawal from the semester, which shall mean withdrawal from all the registered courses in the semester. However, such application shall be made under the advice of the Faculty Advisor, as early as possible and latest before the beginning of ETE.
Semester Withdrawal on Medical Grounds	**31c**	(1)	In case the period of absence on medical grounds is more than twenty working days during the semester, a student may apply for withdrawal from the semester. However, as per provisions of Section 32b, application must be submitted to the Dean, Academic Affairs through Chairman DAPC/CAPC/ScAPC, under the advice of the Faculty Advisor, as early as possible and latest before the beginning of ETE.

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<table>
<tr><td></td><td></td><td>(2)</td><td>Any application on medical grounds shall be accompanied with a medical certificate from Institute Medical Officer. A certificate from a registered medical practitioner containing the registration number may also be accepted in those cases where a student is normally residing off-campus or becomes ill while away from the Institute. Such medical certificates must be counter signed by the CMO of Institute Hospital.</td></tr>
<tr><td>Rustication/Suspension, Withdrawal from a Semester/Year</td><td>31d</td><td>(1)</td><td>A student rusticated from the Institute or suspended or debarred from the classes due to any reason whatsoever or having withdrawn from a semester/ year on medical grounds, shall have to complete the program within the maximum time limit of six years for a Four-Year UG program and seven years for a Five-Year UG Program, as specified in these regulations, excluding the period of expulsion, if any.</td></tr>
<tr><td rowspan="3">Academic Performance Monitoring and Slow Pace Program</td><td rowspan="3">32</td><td>(1)</td><td>A student shall be put on academic probation by the Dean, Academic Affairs, at the end of each semester for monitoring his/her academic progress under one or more of the following conditions:
(i) His/her SGPA becomes 5.00 or less
(ii) His/her SGPA is below that of the last semester by two points or more
(iii) The earned credits in a semester are less than 12.</td></tr>
<tr><td>(2)</td><td>The academic progress of all such students, who are put on academic probation, shall be monitored by Faculty Advisor and the Chairman, DAPC/CAPC/ScAPC of the concerned department/academic centre/school.</td></tr>
<tr><td>(3)</td><td>A student of 1st Yr shall be put on slow pace program at the end of Autumn Semester as per following criteria:
<table>
<tr><th>Criterion
(after re-exam/2nd exam)</th><th>Max No. of credits allowed</th></tr>
<tr><td>SGPA<4.00</td><td>16</td></tr>
<tr><td>4.00<SGPA<5.00 and fail in 1 course</td><td>20</td></tr>
<tr><td>4.00<SGPA<5.00 and fail in 2 or more courses</td><td>16</td></tr>
<tr><td colspan="2">Later on, in any semester, if the student is able to secure SGPA of 6.0, he/she shall be allowed to move to normal pace program</td></tr>
</table></td></tr>
</table>

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<table>
<tr><td rowspan="5">Termination of Enrolment</td><td rowspan="5">33</td><td colspan="2">On Academic Grounds</td></tr>
<tr><td>(1)</td><td>The enrolment of a student in a program shall stand terminated if he/she fails to earn 14n credits in a semester, where, n is the number of semesters registered. It is to be applicable on the students from 3rd semester onwards.

The termination is subject to criteria as mentioned in table below:
<table>
<tr><th>Criterion</th><th>Action</th></tr>
<tr><td>First Time
Total Earned Credits (TEC) upto the current semester < 14n</td><td>Warning notice to the concerned student with a copy to parents & HoD.</td></tr>
<tr><td>Second Time
In immediate subsequent semester
(i) If TEC > 14n

(ii) If TEC ≤ 14n and credits earned in that semester ≥ 14

(iii) If TEC ≤ 14n and earned credits in that semester <14</td><td>

Student's program continues and no warning is issued

Student's program is continued but warning is issued

Student's program will be terminated</td></tr>
<tr><td>At any time if SGPA ≤ 5 irrespective of earned credits</td><td>Warning to the student with a copy to parents.</td></tr>
</table>
Note: This will not include any extra credits such as for Minor Specialization Courses or Departmental Honours Courses.</td></tr>
<tr><td>(2)</td><td>The enrolment of a student may be terminated on disciplinary grounds, in accordance with the Standing Orders for the students.</td></tr>
<tr><td>(3)</td><td>A student whose enrolment has been terminated may appeal to the Director for reconsideration within 15 days from the date of issuance of the communication of termination. If the appeal is allowed/(accepted), his/her registration and enrolment shall be restored.</td></tr>
<tr><td>Earned Minimum Credits for the Degree</td><td>34</td><td>(1)</td><td>The credits for the courses in which a student has obtained grade point 'four (4)' (minimum passing grade for a course) or higher shall be counted as Credits earned by him/her. A student who has cleared all the courses (including non-credit elements) as prescribed for the degree, and completed the credit requirement of the program as specified in the UG curriculum he/she is registered for, is eligible for the award of the degree.</td></tr>
</table>

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Transfer of Credits from any other institute for award of degree	**35**	(1)	Transfer of credits earned by the students from institutions in India and abroad which have an MOU with the Institute concerning this aspect (transfer of credits), shall be permitted.
		(2)	The students who have been nominated/ recommended by the Chairman, DAPC/CAPC/ScAPC and approved by DAA for pursuing study in such other institutions, will only be eligible for such transfer of credits.
		(3)	The equivalence of the courses for transfer of credits shall be based on the syllabi of the concerned courses of the host institution and recommended by the Chairman, DAPC on case to case basis for each student, and approved by the DAA.
		(4)	The credits earned in other institutes shall be transferred for the award of degree.
		(5)	The maximum permissible limit for transfer of credits will be 24.
		(6)	The courses, credits and grades earned will be indicated in the consolidate grade sheet/transcripts with the remark that the grades have been awarded by the host institution.
		(7)	The transferred credits and grades will not be considered towards the calculation of SGPA/CGPA.
		(8)	Grades earned in host institutions will not be considered for any award/ prize at the Institute.
Completion of Degree requirements of UG program one semester before program duration	**36**	(1)	A student of 4-year (5-year) UG program having CGPA more than 9.00 at the end of the 2nd year (3rd year) may be considered to be allowed to complete the degree requirement in 3½ years (4½ years).
		(2)	The request to complete the degree one semester before the program duration will be considered on the merit of the case by the Dean Academic Affairs on the recommendation of HoD.
		(3)	Such a student shall provide the detailed semester wise plan to complete the degree requirements at the time of application. There will be no rescheduling of classes by any department for this purpose.
Dean's and HoD's Appreciation Awards	**37**	(1)	The Dean's Appreciation Award is for achieving the highest increase in CGPA every year to student(s) of every UG Program, and HoD's Appreciation Award is for achieving the highest increase in SGPA every Semester to student(s) of every UG Program with the following conditions: (i) For Dean's Appreciation Award the minimum increase in CGPA is 0.5 (ii) For HoD's Appreciation Award the minimum increase in SGPA is 1.0

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UG students as Teaching Assistant	**38**	(1)	3rd, 4th and 5th year UG students are eligible for becoming UGTAs. A department using UGTAs should have a process to select them from among the interested students. A UGTA is allowed to conduct tutorial classes of 1st year UG courses only. A UGTA is also allowed to conduct practical classes of the department specific 1st year UG course on Computer Programming. The concerned course coordinator should keep track of the performance of UGTAs involved in conducting tutorial/practical classes. At the end of the semester, students' feedback of such UGTAs should also be taken and shared with them. The responsibility for good and effective conduct of the course will be that of the concerned course coordinator.
Scholarships, Prizes and Certificates	**39**	(1)	The Institute shall award the Institute free studentship, SC/ST category institute scholarship and other scholarships, stipends, awards and prizes to the students of UG programs as may be approved by the Senate. Other scholarships may be instituted by grant from individuals, trusts, organizations and the Governments with a view to provide financial assistance to needy students under the terms and conditions specified by the Institute. Announcements of these scholarships, stipends, etc., along with their eligibility criteria, shall be made by the Institute time to time.
		(2)	A student registered for the fifth-year of the IDD/IMT program and who has cleared all the course work requirements up to fourth year of the program and (i) has a CGPA not less than 8.0, or (ii) has qualified GATE, may be offered Institute Assistantship on the basis of his/her attendance in the courses registered in a semester and his/her fulfilling the requirement of weekly work hours assigned to him/her. Sixty percent (60%) of the amount of scholarship/ assistantship shall be paid on the basis of monthly attendance of a student and the rest forty percent (40%) on the basis of weekly work hours assigned to him/her. The deduction from the scholarship/ assistantship due to absence in class or non-fulfilment of the weekly work-hours assignment shall be made on pro-rata basis.
		(3)	A student may draw scholarships/stipends from outside sources only if permitted by the competent authority.
		(4)	Those students who have been punished for unfair means, plagiarism or for serious act of indiscipline shall not be awarded Merit-cum-Means (MCM) Scholarship, Fellowship/ Assistantship/ and other trust scholarship or Medals, Prizes and awards for that academic session.
		(5)	The criteria for award of MCM scholarships, medals and awards are given in Appendix-E1.

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<table>
<tr><td rowspan="3">Leave for Assistantship Holders Under IDD/IMT Program</td><td rowspan="3">40</td><td>(1)</td><td>Subject to his/her fulfilling the attendance requirements as detailed in Regulation 29 above, a student of IDD/IMT program who is a recipient of the Institute assistantship will be entitled for 30 days leave (including leave on medical grounds) during the fifth year of the program. He/she will not be entitled to mid semester breaks, and summer and winter vacations.</td></tr>
<tr><td>(2)</td><td>The leave will be subject to approval of the concerned Head of the Department/Academic Centre/School/ Program Coordinator.</td></tr>
<tr><td>(3)</td><td>The Department/Academic Centre/School/Program Coordinator concerned shall maintain a proper leave account of such students.</td></tr>
<tr><td>Casual Student</td><td>41</td><td>(1)</td><td>A student registered for degree in a recognized institute/ university in India or abroad may be allowed to attend classes and laboratories as a Casual Student, if sponsored officially by the institute/university where he/she is studying. However, the maximum period for which a Casual Student will be allowed to avail the facility shall not exceed six months. The guidelines for Casual Students are defined in Appendix-F1.</td></tr>
<tr><td>Exit Certificate</td><td>42</td><td>(1)</td><td>If a student wishes to exit the program, the exit certificate shall be issued to the student on his/her request, provided he/she has spent at least two years in the program and has earned a minimum of 48 credits.</td></tr>
<tr><td rowspan="2">Mechanism for considering Appeals/Requests</td><td rowspan="2">43</td><td>(1)</td><td>A student can submit the appeal/request to the Dean Academic Affairs through Head of the Department/ Centre/School along with the recommendations of DAPC/CAPC/ScAPC for the following categories:
(i) Continuation of program in spite of not fulfilling the minimum credits requirement.
(ii) Extension in duration of academic program beyond the permissible limit.
(iii) Attendance waiver.
(iv) Registration of credits beyond permissible limit.
The appeals/requests should be sent to the Dean Academic Affairs through Head of the Department/ Centre/School along with the recommendations of DAPC/CAPC/ ScAPC. The disposal of requests/appeals under various categories would be as per the following table.
<table>
<tr><th>Request/Appeal</th><th>Deciding Body</th></tr>
<tr><td>Category (i)</td><td>Senate</td></tr>
<tr><td>Category (ii)</td><td>IAPC: for extension up to 1 year
Senate: for extension beyond 1 year</td></tr>
<tr><td>Category (iii)</td><td>IAPC</td></tr>
<tr><td>Category (iv)</td><td>IAPC</td></tr>
</table></td></tr>
<tr><td>(2)</td><td>Second Mercy Appeal
The Chairman, Senate may constitute a committee to assess the admissibility of 2nd mercy appeals/requests for consideration if the first one has not been accepted by the Senate.</td></tr>
</table>

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Interpretation of Regulations	**44**	(1)	In case of any dispute, difference of opinion in interpretation of these regulations or any other matter not covered in these regulations, the decision of the Chairman, Senate shall be final and binding.
Emergent Cases	**45**	(1)	Notwithstanding anything contained in the above regulations, the Chairman of the Senate may, in emergent situations, take such action including insertion, suspension or modification of any regulation(s) on behalf of the Senate as he/she deems appropriate and report it to the next meeting of the Senate for its approval.

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Table - 5: Grading Scheme for Academic Performance

Grade	Grade Point
A+	10
A	9
B+	8
B	7
C+	6
C	5
D	4
F	0
AP (Audit Pass)	-
AF (Audit Fail)	-
I (Incomplete Grade)	-
X (Continued Project)	-
S (Satisfactory)	-
U (Unsatisfactory)	-

Explanation:

'F' Grade

The 'F' grade denotes failing a course. In case a student is awarded 'F' grade in a course, he/she may appear in re-examination as per Regulations 31(1)-31(6).

In case a student is awarded 'F' grade in a core course, even after re-examination, he/she shall have to repeat the course in a subsequent semester. For the other (elective) courses in which 'F' grade has been awarded, the student may take the same course or any other course from the same category. Further, 'F' grade secured in any course stays permanently on the grade sheet/transcript.

No student having 35% or more marks should be awarded the failing grade 'F'. However, for a student to get a grade 'D' or above in any course, he/she would have to appear in the ETE.

'AP'/'AF' Grades

These grades are awarded to an audit course as specified in Appendix-C2. These grades are not counted in the computation of SGPA/CGPA.

'I' Grade

This refers to an 'incomplete' grade, which is required to be converted into a regular letter grade as provided in Section 30 of Regulations for the UG programs. The guidelines for the award of 'I' grade are given in Appendix-A4.

'X' Grade

This grade is awarded for incomplete Project/ Dissertation work as per guidelines given in Appendix-A5 and will be converted to a regular grade on the completion of the Project work and its evaluation.

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Calculation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

The letter Grades awarded to a student in all the courses (except audit courses) shall be converted into semester and cumulative performance indices called the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA), respectively, to be calculated as follows:

$$\text{SGPA} = \frac{\sum_{i=1}^{n}(C_i \times P_i)}{\sum_{i=1}^{n} C_i},$$

where,

n represents the number of courses in which a student is registered in the concerned semester.

C_i = Number of credits of the i^{th} course of a semester for which SGPA is to be calculated

P_i = Grade point obtained in the i^{th} course.

$$\text{CGPA} = \frac{\sum_{i=1}^{m}(C_i \times P_i)}{\sum_{i=1}^{m} C_i},$$

where,

m represents the number of courses in which a student has been registered till date.

C_i = Number of credits of the i^{th} course, up to the semester for which CGPA is to be calculated.

The CGPA shall be calculated taking all the courses registered till date, starting from the beginning. However, if the student has cleared a course in which he/she had backlog, the new grade will replace the old grade while calculating CGPA.

P_i = Grade point earned in i^{th} course.

General Guidelines for the Award of Grades

The following are the general guidelines for the award of grades:

(a) All evaluations of different components of a course shall be done in marks for each student.

(b) The marks of various components shall be scaled to approved weights as indicated in the scheme of Teaching and Examination and added to get total marks secured on a 100-points scale. The rounding off shall be done only once and on the higher side.

(c) Statistical system of grading is preferred for a class size of ≥ 30 students (Appendix-A2). Absolute grading system is preferred for a class size of <30 students (Appendix-A3). However, a faculty member has a choice of employing the more suitable of the two judiciously. The ranges suggested in Tables 6-7 can be adjusted depending on the natural gaps.

(d) Normally, 'A+' grade should be awarded to less than or equal to 10 per cent of students of the course. However, the grade moderation committee by consensus may allow it up to 15 per cent in exceptional cases. Approval of DAA is required to award more than 15 per cent 'A+' grade in a course.

(e) In the case a course is being offered to multiple batches, a committee consisting of all the faculty members teaching the course will finalize the grades before submission. The committee will be chaired by the Course Coordinator. If evaluation is not done uniformly across all batches, then normalization is required.

(f) The grade moderation is mandatory if the awarded grades deviate the Normal Gaussian distribution with minimum skewness in a course. The committee will consist of HoD, DAPC Chairperson and Course Coordinator. If needed, HoD may nominate a few additional faculty members for this committee. For institute level courses, having large number of students (>200), Grade Moderation Committee will be formed by the Dean Academics in consultation with Course Coordinator (s) and concern HoD.

(g) The Grade Moderation Committee for the common courses of first year shall consist of all the Course Coordinators of the courses offered to the first-year students in a semester, with the ADE as the Chairman.

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(h) No student having 35% or more marks should be awarded the failing grade 'F'. However, for a student to get a grade 'D' or above in any course, he/she would have to appear in the ETE.

(i) After the re-examination, student can be given maximum '6' grade point, keeping the cut-offs same as before.

(j) The grades in Seminar, Project, Laboratory courses, NPTEL courses, and Thesis shall be awarded using Absolute Grading System as given in Appendix-A3.

(k) The procedures for evaluation and award of grades for project shall be as given in the Appendix C3.

(l) The Thesis shall be presented before an examination board for evaluation, as per the procedure given in Appendix-C4-C6. For Thesis and Seminar, each student will be evaluated individually and the grades shall be awarded by the examination board. The examination board may decide the cut-offs for different grades.

(m) In case there is no consensus in Grade Moderation Committee of particular subject, the case may be referred to a committee constituted by Dean Academic Affairs.

APPENDIX – A2

Statistical Method for the Award of Grades

The mean ($\bar{x}$) and the standard deviation (σ) of marks obtained of all the students in a course shall be calculated and used to convert the marks into normal variate (Z). The normalized marks (Z) shall be arranged in decreasing order to work out ranges for different letter grades.

$$Z = \frac{X - \bar{x}}{\sigma},$$ where X = Actual marks obtained.

The grade boundaries are left to the discretion of Grade Moderation Committee/Course Coordinator. The course coordinator, in consultation with the Grade Moderation Committee, may decide a suitable set of boundaries for a particular course for the award of grades. One possible set of boundaries for Z variate is mentioned in the Table-6 below:

Table - 6: Suggested Ranges for Grades Using Statistical Method

Lower Range of Marks	Grade	Upper Range of Marks
	A+	$> \bar{x} + 1.5\sigma$
$\bar{x} + 1.0\sigma <$	A	$\leq \bar{x} + 1.5\sigma$
$\bar{x} + 0.5\sigma <$	B+	$\leq \bar{x} + 1.0\sigma$
$\bar{x}$	B	$\leq \bar{x} + 0.5\sigma$
$\bar{x} - 0.5\sigma <$	C+	$\leq \bar{x}$
$\bar{x} - 1.0\sigma <$	C	$\leq \bar{x} - 0.5\sigma$
$\bar{x} - 1.5\sigma <$	D	$\leq \bar{x} - 1.0\sigma$
	F	$\leq \bar{x} - 1.5\sigma$

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APPENDIX – A3

Awards of Grades Based on Absolute Grade System

Table-7: Suggested Ranges for Grades Based on Absolute Grade System

Marks	Grade	Marks
91 ≤	A+	≤ 100
82 ≤	A	≤ 90
73 ≤	B+	≤ 81
64 ≤	B	≤ 72
55 ≤	C+	≤ 63
46 ≤	C	≤ 54
35 ≤	D	≤ 45
-	F	≤ 34

APPENDIX – A4

Award of 'I' Grade

(a) If a student is absent during End Term Examination of a course due to medical reasons or other special circumstances, he/she may apply for the award of 'I' grade to the Chairman, DAPC/CAPC/ScAPC through the Course Coordinator. In case of extraordinary circumstances, the concerned Course Coordinator shall have to be convinced about the same to recommend the award of 'I' grade.

(b) The 'I' grade shall be converted into a proper letter grade as per the provisions in Regulation 30 after Second Examination is over and the requirements of the course are completed by the student.

(c) In extraordinary circumstances, on the recommendation of the Dean, Academic Affairs, the Chairman, Senate may order the award of 'I' grade to a student/class or a batch of students taking a particular course. The conversion of 'I' grade into a regular grade or any other action shall be as per the directive of the Chairman, Senate.

APPENDIX – A5

Award of 'X' Grade

A student who is unable to complete his/her Project/Thesis before the last date of submission may be awarded an 'X' grade on the recommendation of evaluation committee. 'X' grade will be awarded to a student only under exceptional circumstances beyond student's/ supervisor's control. If the department awards 'X' grade to a student, proper justification must be sent along with the grades.

If 'X' grade is awarded to a student, he/she is required to formally register for the next semester and pay the requisite fees. The student has to complete the work and present the work before the evaluation committee. The result will be declared whenever the result is received from the department during that semester.

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APPENDIX – B1

Guidelines for Checking Plagiarism

A. Exclusion of material while checking

(a) All quoted material.

(b) Matches up to 20 words.

(c) All material (e.g., figures/ images and tables) used with the permission of the original source.

(d) Material published by students from the thesis/ dissertation.

(e) Bibliography.

B. Acceptance Levels

(a) Introduction and Literature review portion: commonality up to 20% may be accepted.

(b) Remaining material (e.g., Methodology, Results, Discussion, Conclusion and future research): commonality up to 10% may be accepted.

(c) Overall similarity index should normally not exceed 20%.

APPENDIX - C1

Guidelines for Allocation and Evaluation of Self Study Course

(a) A student cannot claim to take a course as a self-study course as a matter of right.

(b) Only a course from the list of regular courses of study for the program, which the student has not cleared and which is not being offered in that semester as a regular course, can be taken as a self-study course.

(c) The duration of the course will be a full semester.

(d) The student will apply for a course in self-study mode to Dean, Academic Affairs through course coordinator and the concerned Chairman, DAPC/CAPC/ScAPC well before the date of registration. The course will be offered only if Dean, Academic Affairs approves it.

(e) If the course is approved by Dean, Academic Affairs, a teaching load of 1 hour/week shall be counted in the time-table of the course coordinator.

(f) For a self-study course formal lectures are not mandatory, but laboratory, design, and tutorial exercises will be conducted if they form an integral part of the course. The course coordinator shall assign tutorial problems / laboratory exercises to the student and monitor his/her progress weekly.

(g) The MTE and ETE for the course will be scheduled by the Department like in other courses and the course coordinator will be responsible for the conduct of these examinations.

(h) For the award of marks, weights of different components will be the same as specified in the curricular structure.

(i) The final grade will be awarded on the basis of Absolute Grading System and there shall be no restriction on maximum grade to be awarded to any student in a self-study course.

(j) The grade moderation committee for the course will be the same as for other courses of the class.

(k) Normal attendance regulations will not apply to this course.

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APPENDIX - C2

Guidelines for the Allocation and Evaluation of Additional Courses

(a) A student can register additional courses from 3rd semester onwards, (over and above the minimum credits specified for the program), within the permissible limit of credits in a semester. These courses can be either credit or audit in nature. It will not be counted towards minimum earned credits for the program.

(b) Students can be allowed to register for a maximum of 28 credits for more than two semesters on the recommendations of the Chairman, DAPC/CAPC/ScAPC with no condition on CGPA for the first two time and with the condition CGPA > 7.0 subsequently.

(c) The evaluation of a student, who has registered for the additional course(s), will be carried out in the same way as for other students registered in the course and his/her grade will be computed along with other students in the class. However, if he/she has registered this additional course as audit, his/her grade will be recorded in the grade sheet as an 'AP' (Audit Pass) grade if he/she obtains a 'D' or higher grade and 'AF' (Audit Fail) if he/she obtains 'F' grade.

(d) Normal attendance regulations, as prescribed by the Institute from time to time, will apply to additional courses.

APPENDIX - C3

Guidelines for Evaluation of B.Tech. Project

(a) This course will be offered in the final year of the B. Tech./B.Arch. /B.Des. program and its total duration as prescribed in the structure of particular program.

(b) Head of the Department shall appoint a Project Coordinator, who will act as the course coordinator.

(c) The project can be carried out by the students either individually or in a group. However, the number of students in a group will not exceed four.

(d) The Project Coordinator will invite proposals from the faculty members and students and finalize the project problems allotted to various groups.

(e) The finalization of title of project shall be done latest by the Mid-Term evaluation in Spring Semester.

(f) The evaluation will be based upon mid-term examinations and a final examination.

(g) The mid-term examination will involve report submission, presentation and oral viva-voce. For this purpose, suitable committees will be appointed by the Head of the Department/ Centre/School in consultation with Project Coordinator. The various examination committees will award marks to individual students and forward them to the Project Coordinator, who will maintain a record.

(h) The final project examination will be carried out by the above examination committee(s) within 10 days from the last theory paper.

(i) The students will be required to submit a final project report to Project Coordinator, at least 3 days before the date of final project examination.

(j) The final examination may be in the form of demonstration in the laboratory and viva-voce or only viva-voce, depending upon the nature of the project.

(k) The examination committee will award marks to individual students and forward them to Project Coordinator, who will compute grades in accordance with the prescribed procedures.

(l) The Grade Moderation Committee for the course will be the same as that for the other courses.

(m) In special circumstances, a student may be awarded 'X' grade, the conditions for which are given in Appendix-A5.

(n) In case a student has been awarded 'F' grade, he/she shall have to repeat the course in a regular semester.

(o) Normal attendance regulations will not apply to this course.

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APPENDIX - C4

Procedure for the Evaluation of M.Tech. Thesis for IDD Students

(a) The topic of Thesis shall be allotted to a student in the Spring Semester of the fourth year of the program.

(b) Each student will be evaluated based on the thesis report, seminar(s)/other modes as decided by the Departments/Centres/Schools.

(c) The grade of the stage I should be mentioned satisfactory/ unsatisfactory in the transcript. The unsatisfactory grade will be awarded for marks less than 46%, and in such cases, stage I needs to be repeated. The evaluation marks of stage I shall not be carried forward for Thesis stage II.

(d) The final grade shall be awarded at the end of the semester and shall be used for the calculation of the overall CGPA. The grade of the thesis should be determined based on the combined evaluation of stage I (25% weightage) and stage II (75% weightage).

(e) The thesis evaluation board for stage I and stage II should be as given below:

(i) DAPC Chair's nominee from the same specialization – Chairperson

(ii) Two experts from a related field selected by the DAPC Chair from a panel proposed by the supervisor(s). The experts can be from outside the Department/Institute.

(iii) Supervisor(s)

The members of the board for evaluation of stage I and stage II will remain the same.

(f) A faculty should not chair the evaluation board for more than 10 theses.

(g) The soft copy of the report (stage I) and the thesis (stage II) should be sent to the members of the board at least one week prior to the date of evaluation.

(h) Stage-I evaluation

Distribution of marks (out of 100) to be decided by DAPC/CAPC/ScAPC within the range as under

a.	Report	10-25
b.	Presentation	10-25
c.	Viva-voce examination	10-25
d.	Supervisor(s)	40-60

(i) Stage -II evaluation

Distribution of marks (out of 100) to be decided by DAPC/CAPC/ScAPC within the range as under

a.	Thesis report	10-30
b.	Presentation	10-20
c.	Viva-voce examination	10-20
d.	Publication/Patent*	0-10
e.	Supervisor(s)	30-50

*Journals/Conferences/patent/any other work to be considered for awarding publication/ patent marks will be decided by the DAPC/CAPC every year.

(j) The DAPC/CAPC/ScAPC should declare the distribution of marks of the evaluation at the beginning of each academic year.

(k) The final grading should be performed using absolute grading system. The minimum passing grade point should be 5. If a student fails, then he should register for the next semester and be evaluated at the end of the semester.

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APPENDIX - C5

Procedure for the Evaluation of BS-MS Thesis

(a) The topic of the Thesis shall be allotted to a student in the Spring Semester of the fourth year of the program.

(b) The Head of the Department, in consultation with DAPC Chair, shall appoint a Thesis Coordinator, who will act as the course coordinator.

(c) The Head of the Department, in consultation with DAPC Chair and Thesis Coordinator, shall appoint Thesis evaluation committee(s) according to different specializations.

(d) The members of the evaluation committee(s) of Thesis Stage I and Thesis Stage II will remain the same.

(e) The soft copy of the report (Thesis stage I) and the thesis (Thesis Stage II) should be sent to the members of the board at least one week prior to the date of evaluation.

(f) The thesis evaluation will involve report/thesis submission, presentation and oral viva-voce. The various evaluation committees will award marks to individual students and forward them to the Thesis Coordinator, who will maintain a record.

(g) The thesis evaluation will be carried out by the above evaluation committee(s) within 10 days from the last theory paper.

(h) The Thesis Coordinator should declare the distribution of marks of the evaluation at the beginning of each semester.

(i) The final grading should be performed using absolute grading system. The minimum passing grade point should be 4. If a student fails, then he/she should register for the next semester and be evaluated at the end of the semester.

APPENDIX - C6

Procedure for the Evaluation of IMT Thesis

(a) The topic of the Thesis shall be allotted to a student in the Spring Semester of the fourth year of the program.

(b) The Head of the Department, in consultation with DAPC Chair, shall appoint a Thesis Coordinator, who will act as the course coordinator.

(c) The Head of the Department, in consultation with DAPC Chair and Thesis Coordinator, shall appoint Thesis evaluation committee(s) according to different specializations.

(d) The members of the evaluation committee(s) of Thesis Stage I and Thesis Stage II will remain the same.

(e) The soft copy of the report (Thesis stage I) and the thesis (Thesis Stage II) should be sent to the members of the board at least one week prior to the date of evaluation.

(f) The thesis evaluation will involve report/thesis submission, presentation and oral viva-voce. The various evaluation committees will award marks to individual students and forward them to the Thesis Coordinator, who will maintain a record.

(g) The thesis evaluation will be carried out by the above evaluation committee(s) within 10 days from the last theory paper.

(h) The Thesis Coordinator should declare the distribution of marks of the evaluation at the beginning of each semester.

(i) The final grading should be performed using absolute grading system. The minimum passing grade point should be 4. If a student fails, then he/she should register for the next semester and be evaluated at the end of the semester.

APPENDIX - C7

Procedure for the Evaluation of NPTEL Course

(a) For grading, the marks obtained by the registered students of the Institute as per the procedure of NPTEL guidelines would be requested from NPTEL.

(b) The marks obtained by the student(s) would be normalized by maximum marks (obtained by student of any institute), and the grading would be carried out as per the absolute grading system of the Institute.

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APPENDIX - D1

Instruction for Penalty for Use of Unfair Means

Reporting and Handling of Unfair Means Cases

(a) Any contravention of the instructions printed on the cover page of the answer book or informed in the examination hall by the invigilators or the use of any unfair means to write the answer will render the student liable for penal provisions.

(b) In case of unfair means being suspected by the invigilator, the reporting to the Dean of Academic Affairs will be carried out as per form UF-0 and the student will be allowed to complete the examination in the same answer script. Marking may be made in the answer script up to which the student has already written the answers when use of unfair means was reported.

(c) A Committee appointed by the Director shall enquire into cases of reported use of unfair means during the examination. The student will be given an opportunity to present his/her case before the committee. The committee shall decide the level of the offence (as per the Table) and submit its recommendation to the Director for consideration.

Penal Provisions for Using Unfair Means

<table>
<tr><th>Severity of Offence</th><th>Details</th><th colspan="2">Offence</th></tr>
<tr><td>Level – 1</td><td>During the examination, if a student is found verbally communicating with another student inside or outside the examination hall.</td><td colspan="2">If the student continues to talk after the first warning given by the faculty/invigilator in the same examination, the student may be stopped from writing for 15 minutes per offence by taking the answer sheet. If the student repeats it more than three times, then the answer sheet be taken and the student be asked to leave the examination.</td></tr>
<tr><td rowspan="2">Level - 2</td><td rowspan="2">(a) A student is found carrying prohibited item(s).* Or found transferring matter from any source</td><td>Offence-I</td><td>Offence-II</td></tr>
<tr><td>Zero marks to be awarded to the student in the concerned course component examination</td><td>If a student is caught carrying prohibited items repeatedly during any of the examination in a semester, then the student be given a course backlog in all the exams in which the student was caught carrying such items.</td></tr>
<tr><td>Level - 2</td><td>(b) Answer Script carried out of the examination room during or after the examination.</td><td>Backlog to be awarded in that course.</td><td>Semester Backlog i.e. the running semester will be dropped if the student repeats it in the examination of other courses too.</td></tr>
<tr><td>Level 3</td><td>Impersonation (Identity Mismatched)</td><td>• Semester Backlog in the running semester for both students.
• If the impersonating student is not a student of the Institute, then an FIR may be lodged.</td><td>Expulsion from the Institute.</td></tr>
</table>

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* Prohibited items like chits, electronic gadgets like tablets, mobile phone, smart watch & ear buds etc. (Not applicable to the exams conducted as Computer Based Test, subjective communicated to DAA).

* If mobile phone of a student is found in the premises of Lecture Hall Complex, it will be treated as Unfair means offence of Level-2.

- Cases not covered above to be dealt by the Standing Committee of Unfair Means.
- The severity of the offence (Level 2 or 3) will be decided by the committee based on the facts available.

Note: If the student repeats the offence beyond the 2nd offence the case would be considered under the offence of immediate next level. The levels are:

- Barring student to write for 15 minutes.
- Asking student to leave the examination room.
- Zero marks awarded in the concerned examination
- Backlog in the concerned course.
- Backlog in the ongoing semester.
- Expulsion from the Institute.

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UF-0

UNFAIR MEANS USAGE REPORTING FORM
INDIAN INSTITUTE OF ROORKEE

PART - A
(To be filled by the Invigilator)

Note: A separate sheet should be used for each student.

1. Examination: **MTE / ETE / PRS** (strike through whichever is not applicable)
2. Enrolment No. of the student.....
3. Name of the student.....
4. Course Code ..... Course Name .....
5. Day.....Date.....Time.....Location.....
6. Student is caught under Level:

   ☐ Level I: During the duration of examination, if a student is found verbally communicating with another student inside or outside the examination hall.

   ☐ Level II: a) A student is found carrying prohibited item(s).

   ☐ Level II: b) Answer Script carried out of the examination room during or after the examination.

   Level III: Impersonation (Identity mismatched)

7. Proof attached along with brief description:

   .....

   .....

   .....

   .....

   .....

Date .....
Time .....

(Signature of the Invigilator-I)
Name of the invigilator-I

(Signature of the Invigilator-II/witness)
Name of the invigilator-II/witness

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PART - B

(To be filled by the student after the submission of the answer script at the end of the examination)

1. Response of the student:

.....

.....

.....

.....

Date.....

Time.....

(Signature of the student)

Enrolment No.: .....

(Signature of the Invigilator)

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APPENDIX - E1

Scholarships, Prizes, Medals, Awards

A. Institute Merit-Cum-Means (MCM) Scholarships

Merit-cum-Means Scholarship should be given to students as per the guidelines notified by the Institute time to time.

B. Medals & Awards

The following medals/prizes will be awarded to students for their academic/overall excellence.

B.1 President's Gold Medal

To be awarded to the student having the highest CGPA amongst the UG graduating students admitted though JEE.

B.2 Director's Gold Medal

To be awarded to the best all-rounder amongst the UG graduating students admitted through JEE.

B.3 Institute Silver Medal

To be awarded to the student having the second highest CGPA amongst the UG graduating students admitted though JEE.

B.4 Institute Bronze Medal

To be awarded to the student having the third highest CGPA amongst the UG graduating students admitted though JEE.

B.4 Department Gold Medals (One for each UG program)

One Department Gold Medal for each UG program offered by a Department/ Centre/School. The eligibility to get a Department Gold Medal is CGPA 9.0 or above. The eligibility to get a Department Gold Medal for the Department of Architecture & Planning is CGPA 8.5 or above.

APPENDIX – F1

Guidelines for Casual Students

The students from other institutions can be admitted as Casual students for both UG and PG courses as per following guidelines:

(a) The external students can carry out a part of course work/project work/thesis/ Ph.D. Thesis.

(b) These students can be admitted for a maximum duration of one semester.

(c) Any request from an external student shall be recommended by DAPC/CAPC/ScAPC/DRC/CRC/ ScRC, as the case may be. The Departments/Centres/School may impose a limit on the number of such students depending on the availability of resources in the Departments/Centres/School.

(c) These students will be allowed to do course work if there is a provision for the same in the MoU which IIT Roorkee has with academic/R&D institution to which student belongs.

(d) Only registered external students would be issued transcripts. These students will have to pay the Institute fee as applicable.

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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ACADEMIC CALENDAR (AUTUMN SEMESTER 2025-26)

For All Programs (Other than MBA)

S.N.	Details	Date	Day
1	Admission cum Academic Registration for new Ph.D. and Masters' students (including new M. Des. students)	15.07.2025	Tuesday
2	Academic Registration for existing students	15.07.2025 -16.07.2025	Tuesday - Wednesday
3	Orientation Program for new Ph.D. and Masters' students (including new M. Des. students)	16.07.2025	Wednesday
4	Commencement of Classes (except UG I year)	17.07.2025	Thursday
5	Re-examination and second examination (for Spring Semester 2024-25)	17.07.2025 -19.07.2025	Thursday - Saturday
6	Academic Registration for new UG students *	25.07.2025	Friday
7	Orientation Program – Newly Admitted UG Students	26.07.2025 -27.07.2025 02.08.2025 -03.08.2025	Saturday - Sunday
8	Commencement of Classes for UG I year *	28.07.2025	Monday
9	Last date for Academic Registration with late fine	01.08.2025	Friday
10	Last date for adding/changing courses for all programs	01.08.2025	Friday
11	Last date for submission of mandatory documents for newly admitted students	28.08.2025	Thursday
12	Convocation 2025 (Every year 1st Saturday of September)	06.09.2025	Saturday
13	Mid Term Examinations (except Sunday)	11.09.2025 -17.09.2025	Thursday - Wednesday
14	Mid Term Break	18.09.2025- 21.09.2025	Thursday - Sunday
15	Sangram 2025	20.09.2025 -21.09.2025	Saturday - Sunday
16	Last date for informing the students about performance in MTE and internal assessment	29.09.2025	Monday
17	Submission of the feedback/response form - I on the online portal	29.09.2025 -03.10.2025	Monday - Friday
18	Thomso 2025	24.10.2025- 26.10.2025	Friday- Sunday
19	Last date for withdrawal of courses	07.11.2025	Friday
20	Submission of the feedback/response form - II on the online portal	10.11.2025 -12.11.2025	Monday- Wednesday
21	Last date of teaching	12.11.2025	Wednesday
22	End Term Examinations (excluding Sunday)	14.11.2025 -24.11.2025	Friday - Monday
23	Institute Foundation Day	25.11.2025	Tuesday
24	Last date of showing End Term Examinations answer scripts and electronic communication of grades to students	01.12.2025	Monday
25	Last date for students to apply for grade revision, if any	02.12.2025	Tuesday
26	Winter vacation for UG students (except IDD final Year)	03.12.2025 -07.01.2026	Wednesday - Wednesday
27	Last date for the evaluation of Project/Thesis/Seminar for all programs	03.12.2025	Wednesday
28	Last date for sending final grades to AAO	05.12.2025	Friday
29	Last date for the submission of Progress Reports (Ph.D. students) to the AAO	08.12.2025	Monday
30	Online Choices for branch change	08.12.2025 -11.12.2025	Monday - Thursday
31	Declaration of final list of branch change (Tentative Date)	30.12.2025	Tuesday
32	Admission cum Academic Registration for New Ph.D. Students	08.01.2026	Thursday
33	Academic registration of all existing students for Spring Semester 2025-26	08.01.2026 -09.01.2026	Thursday – Friday
34	Commencement of classes for Spring Semester 2025-26	12.01.2026	Monday
35	Re-examination and Second examination (for Autumn Semester 2025-26)	12.01.2026 -14.01.2026	Monday – Wednesday

*Subject to JoSAA Councelling

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Teaching days for Autumn Semester 2025-26
All Programs (Other than MBA)

Days	Months																					Less for MTE/ ETE/IFD/ Convocation/Thomso	Total Teaching days
	July			August					September					October					November					
Mon		21	28		4	11*	18	25	1	8	**15**	22	29		6	13	-	27		3	10	**17**	**24**	3	15-1=14
Tue		22	29		5	12	19	26	2	9*	**16**	23	30		7	14	21*	28		4	11	**18**	**25**	3	16-2*=14
Wed		23	30		6	13	20	27	3	10	**17**	24		-	8	15	-	29		-	12	**19**		2	13+1*=14
Thu	17	24	31		7	14	21	28	4	**11**	-	25		-	9	16	-	30		6	-	**20**		2	13+1*=14
Fri	18	25		1	8	-	22	29	-	**12**	-	26		3	10	17	**24**	31		7	**14**	**21**		4	12+2*=14
Sat					9		23	30	**6**	**13**	**20**	27*		-	-		**25**		1	8	**15**				-
Total days	11 for others 4 for UG I			20 for others 23 for UG I year					15					17					7 for others 9 for UG I year					70 for others 68 for UG I yr

Event – Non-Teaching day | *Time-Table Rescheduling (for all the classes) | Examinations

August 11, 2025	Monday	Thursday's Timetable
September 9, 2025	Tuesday	Wednesdays' Time Table
October 21, 2025	Tuesday	Fridays'.Time Table

Compensatory Class (for all programs)

September 27, 2025	Saturday	Fridays' Time Table

Compensatory classes (only for UG I year courses)

August 9, 2025	Saturday	Fridays' Time Table
August 23, 2025	Saturday	Tuesdays' Time Table
August 30, 2025	Saturday	Fridays' Time Table
September 27, 2025	Saturday	Fridays' Time Table
November 1, 2025	Saturday	Mondays' Time Table
November 8, 2025	Saturday	Thursdays' Time Table

Feedback/Response Form - I	September 29 – October 03, 2025
Mid Term Examination	September 11 – 17, 2025
Mid Term Break	September 18 – 21, 2025
Sangram 2025	September 20 – 21, 2025
Convocation 2025	September 06, 2025
Thomso 2025	October 24 – 26, 2025
Feedback/Response Form - II	November 10 – 12, 2025
Last Date of Teaching	November 12, 2025
End Term Examination	November 14 – 24, 2025

List of Holidays

Independence Day	15.08.2025	Friday
Id-e-Milad (Prophet Mohammad's Birthday)*	05.09.2025	Friday
Mahashtami/Mahanavmi	01.10.2025	Wednesday
Mahatma Gandhi's Birthday	02.10.2025	Thursday
Dussehra (Vijaydashmi)	02.10.2025	Thursday
Diwali (Deepavali)	20.10.2025	Monday
Govardhan Puja	22.10.2025	Wednesday
Bhai Duj	23.10.2025	Thursday
Guru Nanak's Birthday	05.11.2025	Wednesday
Christmas Day	25.12.2025	Wednesday

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*Subject to change in the visibility of the moon.

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ACADEMIC CALENDAR (AUTUMN SEMESTER 2025-26)

For MBA Term 1, 5 & 2, 6

S. No.	Details	Term 1 & 5		Term 2 & 6	
		Date	Day	Date	Day
1	Admission cum Academic Registration MBA students (Term 1 & 5)	07.07.2025	Monday		
2	Orientation programme – Newly admitted MBA Students (By the department)	08.07.2025-16.07.2025	Tuesday-Wednesday		
3	Commencement of Classes	17.07.2025	Thursday	22.09.2025	Monday
4	Re-examination and Second examination for Term 4 & 8 (Session 2024-25)	17.07.2025 -19.07.2025	Thursday - Saturday		
5	Last date for Academic Registration with late fine	01.08.2025	Friday	-	-
6	Last date for adding/changing courses	01.08.2025	Friday	06.10.2025	Monday
7	Last date for submission of mandatory documents for newly admitted students, if any	28.08.2025	Thursday	-	-
8	Last date for withdrawal of courses	01.09.2025	Monday	06.11.2025	Thursday
9	Convocation (2025)	06.09.2025	Saturday		
10	Submission of the feedback/response form on the online portal	07.09.2025 - 09.09.2025	Monday - Wednesday	10.11.2025 - 13.11.2025	Monday - Thursday
11	Last date of teaching	08.09.2025	Monday	12.11.2025	Wednesday
12	End Term Examinations (excluding Sunday and holiday)	10.09.2025 - 17.09.2025	Thursday - Wednesday	14.11.2025 - 24.11.2025	Friday - Monday
13	Institute Foundation Day			25.11.2025	Tuesday
14	Sangram 2025	20.09.2025-21.09.2025	Saturday-Sunday		
15	Term Break	18.09.2025 - 21.09.2025	Thursday, - Sunday		
16	Last date of showing End Term Examinations answer scripts and electronic communication of grades to students	29.09.2025	Monday	01.12.2025	Monday
17	Last date for students to apply for grade revision, if any	30.09.2025	Tuesday	02.12.2025	Tuesday
18	Last date for sending final grades to AAO	03.10.2025	Friday	05.12.2025	Friday
19	Thomso	24.10.2025-26.10.2025	Friday-Sunday		
20	Winter Vacation	-	-	03.12.2025 - 07.01.2026	Wednesday - Wednesday
21	Re-examination and Second examination for Term 1 & 5	06.10.2025 - 08.10.2025	Monday - Wednesday	-	-
22	Registration of Terms 3 & 7 (Session 2025-26)	-	-	08.01.2026 -09.01.2026	Thursday - Friday
23	Commencement of classes for Terms 3 & 7	-	-	12.01.2026	Monday
24	Re-examination and Second examination for Terms 2 & 6	-	-	12.01.2026 - 14.01.2026	Monday - Wednesday

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Teaching days for Autumn Semester 2025-26

For MBA

Days	July			August					September			Total Teaching days	September		October					November				Total Teaching days
Mon		21	28		4	11	18	25	1	8	15	8	22	29		6	13	-	27	3	10	17	24	7
Tue		22	29		5	12	19	26	2	-	16	7	23	30		7	14	21	28	4*	11	18	25	8-1=7
Wed		23	30		6	13	20	27	3	10	17	7	24		-	8	15	-	29	-	12	19		5+1*=6
Thu	17	24	31		7	14	21*	28	4	11	-	8-1=7	25		-	9	16	-	30	6	-	20		5+2*=7
Fri	18	25		1	8	-	22	29	-	12		6+1=7	26		3	10	17	24	31	7	14	21		6
Sat	-	-	-	-	-	-	-	-	-	13	20	-	27*	-	-	-	-	25	-	8*	15			-
Total days	11			20					5			36	8		17					8				33

Event – Non-Teaching day | Examinations

*Time-Table Rescheduling (for all the classes)

August 21, 2025	Thursday	Fridays' Time Table
November 4, 2025	Tuesday	Thursdays' Timetable

Compensatory Classes for MBA courses

September 27, 2025	Saturday	Wednesdays' Time Table
November 8, 2025	Saturday	Thursdays' Time Table

Term 1 & 5	Feedback/Response Form	September 07 – 09, 2025
	Last Date of Teaching	September 08, 2025
	End Term Examination	September 10 – 17, 2025
	Term Break	Sep 18– Sep 21, 2025
	Sangram 2025	Sep 20– Sep 21, 2025
	Thomso 2025	October 24 – 26, 2025
Term 2 & 6	Feedback/Response Form	November 10 – 11, 2025
	Last Date of Teaching	November 12, 2025
	End Term Examination	Nov. 14 – Nov. 24, 2025

List of Holidays

Independence Day	15.08.2025	Friday
Id-e-Milad (Prophet Mohammad's Birthday)*	05.09.2025	Friday
Mahashtami/Mahanavmi	01.10.2025	Wednesday
Mahatma Gandhi's Birthday	02.10.2025	Thursday
Dussehra (Vijaydashmi)	02.10.2025	Thursday
Diwali (Deepavali)	20.10.2025	Monday
Govardhan Puja	22.10.2025	Wednesday
Bhai Duj	23.10.2025	Thursday
Guru Nanak's Birthday	05.11.2025	Wednesday
Christmas Day	25.12.2025	Wednesday

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*Subject to change in the visibility of the moon.

Details of Awards/Cash Prizes for other than Graduating students for Academic Year 2024-25

A: Awards/Cash Prizes based on Academic Performance

The following Awards/Cash Prizes are recommended by the SCSP to the UG/PG students on the basis of their academic performance up to the Academic Year 2023-24:

S. No.	Award/Cash Prize	Criteria	Details of Awardees				
			Enroll. No.	Name	Programme	CGPA/JEE Adv. Rank	Year
1	Viney K and Sunita Jain Award for Excellence in Information and Communication Technologies of Rs. 20,000/-	For securing the highest CGPA to deserving students of III-year B.Tech. (Computer Science and Engineering) for their academic performance upto II-year. Two awards will be given, One award will be given to a student getting highest CGPA upto II year in the CSE and the second award will be given to a student of CSE who gets the highest CGPA amongst the woman students of the batch. In case, highest CGPA in the entire CSE class is obtained by a woman student, the second prize will go to a student who scores second highest CGPA in the class irrespective of gender.	22125030	ROOPAM TANEJA	B.Tech. (Computer Science and Engineering)	9.931	3
2	Viney K and Sunita Jain Award for Excellence in Information and Communication Technologies of Rs. 20,000/-		22114093	SIYA ARORA	B.Tech. (Computer Science and Engineering)	9.253	3
3	B.K. Agrawal Award for Academic Excellence of Rs. 40,000/-	This award will be given to the 7th semester student with the highest CGPA upto the 6th semester of B.Tech. (Chemical Engineering).	21112126	YOGENDRA SINGH BAGHEL	B.Tech. (Chemical Engineering)	9.557	4
4	Prem Prakash Gupta Scholarship of Rs. 20,000/-	It shall be awarded to a B.Tech. (Chemical Engineering) IV-year student for securing the highest CGPA upto III-year.	21112126	YOGENDRA SINGH BAGHEL	B.Tech. (Chemical Engineering)	9.557	4
5	Raghuraj Behari Mathur Cash Prize of Rs. 20,000/-	Two awards will be awarded to II-year students of B.Tech. (Civil Engineering), one award for a female student who has obtained highest CGPA in I-year and another award for a male student who has obtained highest CGPA in I-year.	23113154	TUSHAR BANSAL	B.Tech. (Civil Engineering)	9.214	2
6	Raghuraj Behari Mathur Cash Prize of Rs. 20,000/-		23113158	VANSHMEET KOUR	B.Tech. (Civil Engineering)	9.0	2
7	Tara Chand Kanti Devi Cash Prize of Rs. 20,000/-	For securing the highest CGPA in I-year students of B.Tech. (Civil Engineering).	23113154	TUSHAR BANSAL	B.Tech. (Civil Engineering)	9.214	2
8	Rai Bahadur Khushi Ram Sud & Smt. Durga Devi Sud Memorial Cash Prize of Rs. 20,000/-	It shall be awarded for the student who obtains the highest CGPA in B.Tech. (Civil Engineering) II-year.	22113140	SHIVANSHU DHIMAN	B.Tech. (Civil Engineering)	9.596	3
9	Dr. H.P. Sinha Merit Scholarship of Rs. 20,000/-	It shall be awarded to IV-year student of B.Tech. (Civil Engineering) based on III-year performance.	21113122	RAHUL BAJIYA	B.Tech. (Civil Engineering)	9.537	4
10	Gauri Shanker-Malti Prize of Rs. 20,000/-	For the student who obtains highest CGPA in B.Tech. (Civil Engineering) III-year.	21113122	RAHUL BAJIYA	B.Tech. (Civil Engineering)	9.537	4

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Appendix 'G'
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S. No.	Award/Cash Prize	Criteria	Details of Awardees				
			Enroll. No.	Name	Programme	CGPA/JEE Adv. Rank	Year
11	Lt. Gen. Ram Adhar Loomba Cash Prize of Rs. 20,000/-	For securing the highest CGPA amongst III-year students of B.Tech. (Civil Engineering). Two awards are to be given to two deserving students (one male & one female). If there is no girl in B.Tech. (Civil Engineering) then the prizes will be awarded to the two top students.	21113122	RAHUL BAJIYA	B.Tech. (Civil Engineering)	9.537	4
12	Lt. Gen. Ram Adhar Loomba Cash Prize of Rs. 20,000/-		21113164	SWATI PRIYAMVADA	B.Tech. (Civil Engineering)	8.881	4
13	Air Cmde SC Mehra Scholarship of Rs. 20,000/-	For securing the highest CGPA amongst I-year girl students of B.Tech. (Electrical Engineering).	23115083	MEDHA BHUTANI	B.Tech. (Electrical Engineering)	9.512	2
14	Air Cmde SC Mehra Scholarship of Rs. 20,000/-	For securing the highest CGPA amongst II-year girl student of B.Tech. (Electrical Engineering).	22115112	PALAK TRIPATHI	B.Tech. (Electrical Engineering)	9.256	3
15	Air Cmde SC Mehra Scholarship of Rs. 20,000/-	For securing the highest CGPA amongst III-year girl student of B.Tech. (Electrical Engineering).	21117086	OJASWI CHOPRA	B.Tech. (Electrical Engineering)	9.298	4
16	Kailash Chand Goyal Merit Scholarship of Rs. 25,000/-	It shall be awarded to IV-year student of B.Tech. (Electronics & Communication Engineering) for securing the highest CGPA upto III-year.	21116100	VANSH SAINI	B.Tech. (Electronics and Communication Engineering)	9.847	4
17	MECH 76 Alumni Award of Rs. 20,000/-	For securing the highest CGPA amongst II-year students of B.Tech. (Mechanical Engineering). The student should not receive any similar award.	22117060	JANGID CHETAN RAMESHWARLAL	B.Tech. (Mechanical Engineering)	9.523	3
18	MECH 76 Alumni Award of Rs. 20,000/-	For securing the highest CGPA amongst III-year students of B.Tech. (Mechanical Engineering). The student should not receive any similar award.	21113036	AYUSH PRADIP	B.Tech. (Mechanical Engineering)	9.6	4
19	Kaustubh Roy Memorial Cash Prize of Rs. 20,000/-	It shall be awarded to IV-year student of B.Tech. (Mechanical Engineering) for securing the highest CGPA upto III-year.	21117074	MOHD ALAUDDIN NIZAMI	B.Tech. (Mechanical Engineering)	9.47	4
20	BSHPC Cash Prize of Rs. 20,000/-	For securing the highest CGPA amongst I-year students of M.Tech. Renewable and Hydro Energy.	23568007	MOHAMMED FARSHID K	M.Tech. Renewable and Hydro Energy	9.895	2
21	Ashwani Kumar Goel, ALEO Manali Hydropower Scholarship of Rs. 20,000/-	For securing the highest CGPA amongst I-year self financed students of M.Tech. Renewable and Hydro Energy.	23568007	MOHAMMED FARSHID K	M.Tech. Renewable and Hydro Energy	9.895	2
22	Dwarka Dass Balwant Kaur Thapar Cash Prize of Rs. 20,000/-	It shall be awarded to II-year student of M.Tech. Renewable and Hydro Energy on self finance basis for securing the second highest CGPA upto I-year.	23568011	SAURABH KUMAR	M.Tech. Renewable and Hydro Energy	9.316	2

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S. No.	Award/Cash Prize	Criteria	Details of Awardees				
			Enroll. No.	Name	Programme	CGPA/JEE Adv. Rank	Year
23	Chhattisgarh State Power Generation Corporation Hydro Award of Rs. 20,000/-	For securing the highest CGPA amongst I-year students of M.Tech. Renewable and Hydro Energy. The student should not receive any award of similar or higher amount.	23568020	KAVITI RAKESH	M.Tech. Renewable and Hydro Energy	9.0	2
24	Chhattisgarh State Power Generation Corporation Hydro Award of Rs. 20,000/-	For securing the highest CGPA amongst I-year students of M.Tech. Environmental Management of Rivers and Lakes. The student should not receive any award of similar or higher amount.	23513003	PRAMEELA	M.Tech. Environmental Management of Rivers and Lakes	9.667	2
25	Maneesha Gupta Award of Excellence of Rs. 20,000/-	For securing the highest CGPA amongst I-year students of MBA.	23810052	RATHOD NEERAJ CHANDANSING	MBA	9.492	2
26	BK Chaturvedi Award of Rs. 20,000/-	It shall be awarded to II-year student of MBA for securing the highest CGPA in the I-year.	23810052	RATHOD NEERAJ CHANDANSING	MBA	9.492	2
27	1940 Batch Alumni Scholarship of Rs. 20,000/-	For having the highest rank in JEE (Advanced) amongst I-year students of B.Tech. (Civil Engineering) admitted at the Institute.	24113107	Rudraksh Pratap Singh	B.Tech. (Civil Engineering)	4565	1
28	Mr. Hakumat Rai & Mrs. Sushila Sekhri Scholarship of Rs. 20,000/-	It shall be awarded to II-year girl student of M.Sc. Biosciences for securing the highest CGPA amongst I-year.	23610003	BARSA PRIYADARSANI DHAL	M.Sc. Biotechnology	9.771	2
29	Mr.& Mrs. Harkrishan Singh Golden Jubilee scholarship of Rs. 20,000/-	For securing the highest CGPA amongst any year of all B.Tech. branches	23115017	ANSH JAIN	B.Tech. (Computer Science and Engineering)	10.0	2
30	Subarwal Scholarship of Rs. 20,000/-	For securing the highest CGPA amongst any year students of all B.Tech. branches in order of merit who does not get any other scholarship.	23116089	SHYAM DINESH AGARWAL	B.Tech. (Computer Science and Engineering)	9.925	2
31	Dr. Gorakh Prasad Trust Scholarship of Rs. 20,000/-	It shall be awarded to II-year student of M.Sc. Mathematics for securing the highest CGPA in I-year.	23616012	LAKSHIT PANDE	M.Sc. Mathematics	9.84	2
32	Seema Jain Scholarship of Rs. 20,000/-	It shall be awarded to II-year girl student of M.Sc. Chemistry for securing the highest CGPA in I-year.	23611042	VANSHIKA	M.Sc. Chemistry	9.489	2
33	Tabassum Ajaz Award for Excellence (TAWAF) of Rs. 20,000/-	For securing the highest CGPA amongst any year students of all B.Tech. branches and B.Arch.	23115017	ANSH JAIN	B.Tech. (Computer Science and Engineering)	10.0	2
34	Shyam S Biyani Cash Award of Rs. 20,000/-	For securing the highest CGPA amongst I-year students of M.Tech. Polymer Science and Engineering.	23562011	SUBHADIP SAHA	M.Tech. Polymer Science and Engineering	9.763	2

B: Awards/Cash Prizes on the basis of Recommendation from the concerned Department

For these awards, the following recommendations have been received from the concerned departments:

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
1	Chhattisgarh State Power Generation Corporation Hydro Award of Rs. 20,000/-	For securing the highest marks in the subject "Small Hydro Power Development" amongst the UG students.	21116108	YAWALKAR AJINKYA GANPATI	B.Tech. (Electronics and Communication Engineering)	4
2	Chhattisgarh State Power Generation Corporation Hydro Award of Rs. 20,000/-	For securing the highest marks in the seminar amongst I-year students of M.Tech. Renewable and Hydro Energy.	23568007	MOHAMMED FARSHID K	M.Tech. Renewable and Hydro Energy	2
3	Chhattisgarh State Power Generation Corporation Hydro Award of Rs. 20,000/-	For securing the highest marks in the seminar amongst I-year students of M.Tech. Environmental Management of Rivers and Lakes.	23513003	PRAMEELA	M.Tech. Environmental Management of Rivers and Lakes	2
4	Ar. Rishi Tiwari Memorial Scholarship of Rs. 20,000/-	For securing the highest SGPA in the Professional Training Semester of B.Arch. programme. In case of a tie, the student with the highest CGPA will get this award.	20110027	SANYA SACHDEV	B.Arch.	5
5	Excellence Award by 1972 Batch of Chemical Engineering of Rs. 20,000/-	It shall be awarded to IV-year students of B.Tech. (Chemical Engineering) for excellent overall performance (Innovative Mind, Highest Total Marks, Business IQ & Sports) in III-year. Two awards are to be given. The students should not receive any merit scholarship.	21112126	YOGENDRA SINGH BAGHEL	B.Tech. (Chemical Engineering)	4
6	Excellence Award by 1972 Batch of Chemical Engineering of Rs. 20,000/-		21112059	KAPIL POONIA	B.Tech. (Chemical Engineering)	4
7	Shri Ishwar Dayal Singhal Cash Award of Rs. 20,000/-	For securing the highest marks in the subject CEN-106: Geomatics Engineering-I amongst deserving student of B.Tech. (Civil Engineering).	23113155	UDAY TYAGI	B.Tech. (Civil Engineering)	2
8	Smt. Santosh Rani Tandon Memorial Award of Rs. 50,000/-	For securing the highest total marks/grades in the two compulsory courses, "Design of Reinforced Concrete Elements" and "Design of Steel Elements" amongst IV-year girl students of B.Tech. (Civil Engineering). Tie (if any) will be broken on the basis of overall CGPA up to III-year.	21113164	SWATI PRIYAMVADA	B.Tech. (Civil Engineering)	4
9	Usha Annual Award of Rs. 20,000/-	For securing the highest marks in the subject "Small Hydro Power Planning and Management" amongst I-year students of M.Tech. Renewable and Hydro Energy.	23568007	MOHAMMED FARSHID K	M.Tech. Renewable and Hydro Energy	2

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
10	Ajit Singh Yadav Memorial Proficiency Prize of Rs. 20,000/-	For the best academic performance amongst III-year UG students of Department of Mechanical and Industrial Engineering. The academic performance will be assessed using 75% weightage of highest CGPA upto II-year and 25% weightage in the subjects, (1) Introduction to Environmental Studies (CE), (2) Ethics and Self Awareness (HSS), and (3) Engineering Analysis and Design (ME).	22117060	JANGID CHETAN RAMESHWARLAL	B.Tech. (Mechanical Engineering)	3
11	Ajit Singh Yadav Memorial Proficiency Prize of Rs. 20,000/-	For the second-best academic performance amongst III-year UG students of Department of Mechanical and Industrial Engineering. The academic performance will be assessed using 75% weightage of second highest CGPA upto II-year and 25% weightage in the subjects, (1) Introduction to Environmental Studies (CE), (2) Ethics and Self Awareness (HSS), and (3) Engineering Analysis and Design (ME).	22119025	HUDA SULTANA	B.Tech. (Mechanical Engineering)	3
12	Ajit Singh Yadav Memorial Proficiency Prize of Rs. 25,000/-	For the best academic performance amongst IV-year UG students of Department of Mechanical and Industrial Engineering. The academic performance will be assessed using 75% weightage of highest CGPA upto III-year and 25% weightage in the subjects, (1). Introduction to Environmental Studies (CE), (2). Ethics and Self Awareness (HSS), and (3). Engineering Analysis and Design (ME), and (4). Principles of Industrial Engineering (ME).	21113036	AYUSH PRADIP	B.Tech. (Mechanical Engineering)	4
13	Ajit Singh Yadav Memorial Proficiency Prize of Rs. 20,000/-	For the second-best academic performance amongst IV-year UG students of Department of Mechanical and Industrial Engineering. The academic performance will be assessed using 75% weightage of second highest CGPA upto III-year and 25% weightage in the subjects, (1). Introduction to Environmental Studies (CE), (2). Ethics and Self Awareness (HSS), and (3). Engineering Analysis and Design (ME), and (4). Principles of Industrial Engineering (ME).	21117074	MOHD ALAUDDIN NIZAMI	B.Tech. (Mechanical Engineering)	4
14	Excellence in Human Relation Management Studies of Rs. 20,000/-	For securing the highest marks in the subjects related to human resource (Aggregate marks in BM-507, BM-510, and BM-515) amongst I-year students of MBA.	23810001	ADESH PARTAP SINGH DEOL	MBA	2

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
15	Balmer Lawrie Endowment Prize of Rs. 20,000/-	It shall be awarded to the student standing first in order of merit in management subject BML-509 (Technology Management) Paper. If two or more students obtain the same letter grade, the award will be given to a student who has higher CGPA.	23810052	RATHOD NEERAJ CHANDANSING	MBA	2
16	Prof. BBS Singhal Memorial Cash Award for Highest marks in Hydrogeology of Rs. 20,000/-	For securing the highest marks in Hydrogeology subject amongst PG students from the Department of Earth Sciences.	23612003	BHAVANA KUMARI	M.Sc. Applied Geology	2
			23612007	NAMRATA BISWAS	M.Sc. Applied Geology	2
			23612008	PRADIPTA JANA	M.Sc. Applied Geology	2
17	Dr. Gorakh Prasad Trust Scholarship of Rs. 20,000/-	For securing the highest marks in I semester of M.Sc. Mathematics, I year.	23616012	LAKSHIT PANDE	M.Sc. Mathematics	2
18	Om Prakash Gupta and Sushila Devi Memorial Scholarship of Rs. 20,000/-	It shall be awarded to a girl student of B.Tech. I-year obtains highest marks/grade in Mathematics in final examination.	23114057	LAVANYA SINGHAL	B.Tech. (Computer Science and Engineering)	2

C: Awards/Cash Prizes on Different Criteria

I. A committee, comprising Prof. G.N. Pillai (Chairperson), Prof. Manil T. Mohan (Member), Prof. Abhisek Kumar Behera (Member), Prof. Alok Bhardwaj (member), Prof. Sandeep Kumar Garg (Member), Prof. Mohit Prakash Mohanty (Member), and Prof. Ajanta Goswami (Convener), reviewed and scrutinized the applications received and made the following recommendations:

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
1	Sesquicentennial (1997) Batch scholarships for Academic Excellence of Rs. 50,000/-	For the students of B.Tech./B.Arch., one each from 2nd, 3rd, and 4th year, for academic excellence. All 2nd, 3rd, and 4th year students of B.Tech./B.Arch. having a minimum CGPA of 8.0. The selection process will be based on inviting applications from the interested students at the individual level. The applicants having at least one research publication in a conference/journal among their respective class will be awarded this scholarship, otherwise the applicants with the highest CGPA among their respective class will be awarded this scholarship. The committee will select the students based on highest CGPA. However in case, an applicant has published/presented at least one paper in a Conference/Journal in a year, he/she should be preferred over the applicant with the highest CGPA.	23119054	VATSAL TYAGI	B.Tech. (Electrical Engineering)	2
2	Sesquicentennial (1997) Batch scholarships for Academic Excellence of Rs. 50,000/-		22115141	SHIVANK GARG	B.Tech. (Data Science and Artificial Intelligence)	3
3	Sesquicentennial (1997) Batch scholarships for Academic Excellence of Rs. 50,000/-		21324025	SUTIRTHA GHOSH	B.Tech. (Computer Science and Engineering)	4

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
4	Nayyar Award for Excellence in Communication of Rs. 50,000/-	For the best communication skills amongst III-, IV- and V-year students of UG/IDD programmes and all students of PG programmes. There are total 3 awards, Rs. 50,000/- for the best student; Rs. 30,000/- for the second best student; and Rs. 20,000/- for the third best student. In case, a female student is not among the first three winners, one additional prize of Rs. 11,000/- will be given to a deserving girl student. 1. Student has a good record of writing in different types of publications or Institute magazines. Student needs to submit copies of their publications. 2. Student has authored a research publication. A reprint/copy of the publication is to be submitted. 3. Student has participated in debate/declamation/elocution competitions at IIT Roorkee. Student needs to submit copies of certificate or other acceptable evidence. 4. Student represented IIT Roorkee in an event where communication skills matter. 5. If a student does not fit in any of the categories from 1 to 4, he/she can still nominate himself/herself. In this case, student is required to submit an essay of around 1500 words on a topic given on the spot after the shortlisting of the applications by committee. The committee will shortlist the applications received and ask the shortlisted candidates to write essay on a topic given on the spot. The committee will conduct the open public debate of the shortlisted candidates of essay round.	21112064	KHUSHI TOMAR	B.Tech. (Chemical Engineering)	4
5	Nayyar Award for Excellence in Communication of Rs. 30,000/-		22113078	KOMAL	B.Tech. (Computer Science and Engineering)	3
6	Nayyar Award for Excellence in Communication of Rs. 20,000/-		20310017	PODAR HERAMB DEVIPRASAD	Integrated M.Sc. Chemistry	5

II. A committee, comprising Prof. Rajat Agrawal (Chairperson), Prof. Vinod Pankajakshan (Member), Prof. Ram Manohar Singh (Member), Prof. P.C. Ashwin Kumar (member), Prof. Pradeep Kumar Jha (Member), Prof. Premalata Jena (Member), and Prof. Ajanta Goswami (Convener), reviewed and shortlisted the applications received; interviewed the shortlisted students; and made the following recommendations:

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
1	Prabha Nayyar Award for Excellence in Time Management of Rs. 50,000/-	For carrying out multiple activities simultaneously and showing significant improvement in some of them without compromising on the others amongst the students completed minimum 2 years at IIT Roorkee. The activities may be as diverse as possible including academics, sports, cultural, hobbies, technical, leadership, social service, etc. (max. 3 awards of Rs. 50,000/- each). The applicants will be asked to submit a brief description on why they deserve this award, SGPAs of all the previous semesters and semester-wise involvement in various activities demonstrating efficient management of time in multiple activities. The applicants must accompany supporting documents for the claims	21323003	ABHIJNA RAGHAVENDRA	BS-MS (Mathematics and Computing)	4
2	Prabha Nayyar Award for Excellence in Time Management of Rs. 50,000/-		21117145	YASH	B.Tech. (Mechanical Engineering)	4
3	Prabha Nayyar Award for Excellence in Time Management of Rs. 50,000/-		21116028	BHAWNA RANA	B.Tech. (Electronics and Communication	4

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
		made. The committee will shortlist the applications received and conduct interview and/or presentation of the shortlisted candidates.			Engineering)	
4	Harsh Wardhan Bhatnagar Award for Excellence in Leadership of Rs. 25,000/-	For exhibiting the leadership skills by making exemplary improvements in some recognized groups at Bhawans, Department/ Centre or Institute level. The applicant should be in the 8th semester of his/her UG programme admitted through JEE (Advanced). Girl student will be given preference in case of a tie. Applicant should be associated with one or more student groups of the Institute such as Institute Alumni Relations Cell (IARC), Information Management Group (IMG), National Cadet Corps (NCC), Entrepreneurship cell, Cultural Council, Technical Council, Hobbies Club, Sports Council, Bhawan Council, Student Activity Council (SAC), etc. Application should accompany the supporting documents about changes/improvements by the applicant. It should also accompany a handwritten article on "My Plans to excel in profession and life as a whole". The committee will shortlist the applications received and conduct interview/presentation of the shortlisted candidates.	21115057	HARDIK SAHNI	B.Tech. (Electrical Engineering)	4
5	Harsh Wardhan Bhatnagar Award for Excellence in Leadership of Rs. 25,000/-		21115149	TANIYA TARANNUM	B.Tech. (Electrical Engineering)	4
6	Krishan Gopal Garg Award of Rs. 20,000/-	For the students of B.Tech., one each from 2nd, 3rd, and 4th year, based on their academic and overall performance. All 2nd, 3rd, and 4th year students of B. Tech. having a minimum CGPA of 8.0. The selection process will be based on inviting applications from the interested students at the individual level. The applicants will be asked to submit a brief description on their achievements in different activities indicating their overall performance (sports, social-services, etc.) during their stay at IIT Roorkee along with supporting documents. These applications will be shortlisted by the committee and top three deserving candidates in each category will be informed to the Organization to decide one awardee in each category.	23112036	DIVYESH BANSAL	B.Tech. (Computer Science and Engineering)	2
7	Krishan Gopal Garg Award of Rs. 20,000/-		22118040	KUNWAR ABHISHANK SAXENA	B.Tech. (Chemical Engineering)	3
8	Krishan Gopal Garg Award of Rs. 20,000/-		21113118	PRIYANSHU JOSHI	B.Tech. (Civil Engineering)	4

III. A committee, comprising Prof. Navneet Arora (Chairperson), Prof. Dharmendra Pratap Singh (Member), Prof. Ajanta Goswami (Convener) and Donor representatives, reviewed and shortlisted the applications received; interviewed the shortlisted students; and made the following recommendations:

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
1	Manoj Jain Award of Excellence in Human Values of Rs. 50,000/-	For exceptional work for human values amongst III-year students of B.Tech./B.Arch./BS-MS/Integrated M.Sc./IDD/Integrated M.Tech. programmes admitted through JEE (Advanced). The applicants will be asked to submit a brief description on their	22117003	AASHI JAIN	B.Tech. (Mechanical Engineering)	3

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S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
		involvement in different activities related to human values during their stay at IIT Roorkee. The committee including minimum one member from the trust, will shortlist the applications received and conduct interview/presentation of the shortlisted candidates.				
2	Bhagwan Devatama Memorial Award for Excellence in Social Service of Rs. 20,000/-	For excellence in social service amongst III-year students of UG programmes. The selection process would be based on inviting the applications by the individual students who are actively involved in social service. A committee consisting of two IITR representatives and one donor representative will shortlist the applications. This committee will be proposed by SCSP and approved by Chairman, Senate. Shortlisted candidates will make presentations to the committee.	22110032	SAKSHAM JAIN	B.Arch.	3
3	Sh. Pandit Shiv Dayal Singh Memorial Award for Excellence in Social Service of Rs. 25,000/-	For excellence in social service amongst engineering student of III-year. The selection process would be based on inviting the application from the students at individual level who are actively involved in social service. These applications would be shortlisted by The committee consisting of two institute representatives and one donor representative. The shortlisted candidates will be asked to make a presentation in front of the above committee.	22118021	DESTINY SHARMA	B.Tech. (Metallurgical and Materials Engineering)	3

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IV. A committee, comprising Prof. Sarada Prasad Pradhan (Member), Prof. Pavan Kumar Satuluri (Member), Prof. Darshak Bhatt (Member) constituted by the cultural society of IIT Roorkee, reviewed the applications received; conducted the essay competition; and made the following recommendations:

S. No.	Award/Cash Prize	Criteria	Details of Recommended Awardees			
			Enroll. No.	Name	Programme	Year
1	Ajit Singh Yadav Memorial Essay Prize of Rs. 13,000/-	For the best essay on a general topic in terms of content and writing style that encourages independent thinking and originality to be organized by the cultural society. There are total 2 awards, Rs. 13,000/- for the best essay; and Rs. 7,000/- for the second best essay. Open to all students/all departments. The committee will shortlist the applications received and ask the shortlisted candidates to write essay on a topic given on the spot. The committee will evaluate the essay and recommend up to two winners.	22113050	DIWAKAR RAJ	B.Tech. (Civil Engineering)	3
2	Ajit Singh Yadav Memorial Essay Prize of Rs. 7,000/-		22110032	SAKSHAM JAIN	B.Arch.	3

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Appendix 'H'
Item No. Senate / 104.19

S. No.	Enrollment No	Name	Deptt	Topic	Supervisor	Examiner	Date of Defence	Date of PDC (Approved by DoAA)
1	17919016	AKSHAY KUMAR YADAV	AMSC	SOFTWARE RELIABILITY GROWTH MODELS BASED ON NHPP FOR MULTIPLE TYPES OF FAILURES	Prof. Millie Pant	Prof. Prakash C. Jha, Delhi University/Dr. S. K. Jauhar, Indian Institute of Management Kashipur/Prof. Akshay Kumar Ojha, Indian Institute of Technology Bhubaneshwar, Argul, Khordha, Odisha 752050, India	23-09-2024	10/30/2024
2	18902003	BHAGWAT JAYESHKUMAR MAHESHKUMAR	AR	PLANNING FOR SUSTAINABLE COMPACT CITY – AURANGABAD	Prof. V. Devdas	Dr. S.G. Sonar, COEP Technological University, Pune (Formerly known as "College of Engineering,Pune")/Prof. Dr. Hina Zia, Jamia Millia Islamia (Central University)	28-09-2024	10/18/2024
3	17902015	KAPIL KUMAR SINHA	AR	STUDIES ON TRANSIENT THERMO-PHYSIOLOGICAL RESPONSE OF PASSENGERS IN AIRPORT TERMINAL BUILDINGS	Prof.Rajasekar Elangovan, Mahua Mukherjee	DR RAMAMURTHY K , INDIAN INSTITUTE OF TECHNOLOGY MADRAS/PROF NAGESH R IYER , INDIAN INSTITUTE OF TECHNOLOGY DHARWAD	05-10-2024	10/30/2024
4	19902017	NAMIA ISLAM	AR	STRATEGIC PLANNING FOR CREATIVE TOURISM IN INDIAN CONTEXT	Prof. Shubhajit Sadhukhan	Dr. Yogesh K. Garg, Maulana Azad National Institute of Technology (MANIT), Bhopal/Dr. Fevzi Okumus, University of Central Florida - USA	24-01-2025	1/31/2025
5	19902018	NAVEEN PRASHAR	AR	URBAN FLOOD RESILIENCE ASSESSMENT FRAMEWORK FOR INLAND AREAS – A CASE OF ROORKEE CITY, UTTARAKHAND	Prof. Harshit Sosan Lakra	Sandeep Agrawal, University of Alberta/ISHIWATARI Mikio, University of Tokyo	06-01-2025	2/25/2025
6	21902008	NIKHIL PRATHAPACHANDRAN	AR	PLANNING FOR SUSTAINABLE DEVELOPMENT OF THE TRIBAL COMMUNITY IN WAYANAD DISTRICT, KERALA	Prof. V. Devdas	Dr. V.K. Dhar, National Institute of Urban Affairs/Y.K Garg, Maulana Azad National Institute of Technology (MANIT)	13-09-2024	11/20/2024
7	18902010	NIPUN BEHL	AR	ANALYZING HOUSING ADEQUACY FOR URBAN POOR OF GLOBAL SOUTH: CASE OF SHIMLA, A HILL CITY	Prof. Uttam Kumar Roy	Prof. Minakshi Jain, National Institute of Technology, Hamirpur/Prof. Urmi Sengupta, Queens University Belfast	02-09-2024	9/6/2024
8	16902008	RAGHAVENDRA KATTIMANI	AR	PLANNING FOR SUSTAINABLE CREATIVE CITY DEVELOPMENT OF MYSURU (MYSORE), KARNATAKA STATE	Prof. V. Devdas	Dr. Y. K. Garg , Maulana Azad National Institute Of Technology, Bhopal, Madhya Pradesh,/Dr. V.K. Dhar, National Institute of Urban Affairs, New Delhi	09-09-2024	9/13/2024

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9	18902011	SAMIKSHA CHAUDHARY	AR	EVOLVING STRATEGIES FOR STRENGTHENING THE BUILT HERITAGE OF INDIAN COLONIAL HILL TOWN CENTERS	Prof. Ram Sateesh Pasupuleti	Dr. Abhijit Natu, BKPS College of Architecture, Pune/Dr. Vaishali Latkar, Bhanuben Nanavati College of Architecture for Women, Pune /Dr. Jennie Sjöholm, University of Gothenburg, Sweden	14-08-2024	8/30/2024
10	17902018	SAMIKSHA SRICHANDAN	AR	THE SIGNIFICANCE OF HISTORIC MOUNTAIN ROADS IN THE HIMALAYAN BORDERLANDS: THROUGH COLLECTIVE MEMORY, LIVED EXPERIENCES, AND SHARED TRADITIONS	Prof.Ram Sateesh Pasupuleti, Anindya Jayanta Misra	Dr. Priyaleen Singh, School of Planning and Architecture, New Delhi/Dr. Poonam Chaudhary, University of Jammu	05-02-2025	8/30/2024
11	14902011	SAPTARSHI KOLAY	AR	A USER CENTRIC STUDY OF WAYFINDING BEHAVIOR IN INDIAN URBAN FABRIC	Prof. Mahua Mukherjee	Arnab Jana, IIT Bombay, Mumbai-400076/Deepak John Mathew , IIT Hyderabad, Hyderabad-502284	06-08-2024	8/28/2024
12	19902008	SAURABH JINDAL	AR	POLICY PLANNING FOR SUSTAINABLE LAND DEVELOPMENT IN GOA STATE, INDIA	Prof. V. Devdas	Dr. Y. K. Garg , Maulana Azad National Institute Of Technology, Madhya Pradesh, India/Dr. Dillip Kumar Das, University of KwaZulu-Natal	13-09-2024	9/20/2024
13	18902016	VIVEKANAND TIWARI	AR	GROUNDWATER RECHARGE INTEGRATED PHYSICAL PLANNING FOR URBAN AREAS	Prof. Mahua Mukherjee	Dr. Sumedha Chakma, IIT Delhi/Professor Madan Kumar Jha, IIT Kharagpur	06-12-2024	12/18/2024
14	18923003	GARIMA RAWAT	AS	COLONIAL INVASION, ENVIRONMENTAL DEGRADATION, AND THE RISE OF GRASSROOTS ENVIRONMENTAL MOVEMENTS IN INDIA AND KENYA: A LITERARY ANALYSIS	Prof. Harshit Sosan Lakra	Virginius Xaxa, Delhi School of Economics/Rajib Shaw, Keio University, Japan	28-01-2025	3/7/2025
15	16923010	MINAKSHI KOUNDAL	AS	A STUDY ON GREEN CORROSION INHIBITORS FOR INHIBITING CORROSION ON MILD STEEL IN OIL WELL SIMULATING BRINE	Prof. Chhaya Sharma, Ajay Kumar Singh	Mahendra Yadav, Indian Institute of Technology (ISM) Dhanbad/S. Ningshen, Indira Gandhi Centre for Atomic Research	09-09-2024	10/7/2024
16	18923010	NANDITA	AS	PROPAGATION OF SHOCK WAVES IN GASEOUS MEDIA GOVERNED BY QUASI-LINEAR HYPERBOLIC SYSTEMS OF PDES	Prof. Rajan Arora	Dr. S. Baskar, Indian Institute of Technology Bombay/Dr. L. P. Singh , Indian Institute of Technology (BHU)	16-08-2024	8/27/2024

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17	16923017	USHA PANDEY	AS	NICKEL-GRAPHENE OXIDE-BASED NANOCOMPOSITE COATINGS TO ENHANCE CORROSION -PROTECTION IN SALINE ENVIRONMENT	Prof. Chhaya Sharma	Pradeep Kumar, Indian Institute of Technology (BHU) Varanasi/Utpal Bora, Indian Institute of Technology Guwahati	25-11-2024	1/1/2025
18	18903031	ANKITA BHATT	BSBE	DEVELOPMENT OF EFFICIENT AND SENSITIVE WHOLE-CELL BIOSENSORS	Prof.Naveen Kumar	Sandeep K. Sharma, CSIR- Indian Institute of Toxicology Research, India/Dr. Rajan Sharma , ICAR-National Dairy Research Institute	11-11-2024	1/1/2025
19	18903041	BHUTKAR MANDAR RAVINDRA	BSBE	SMALL MOLECULE ANTIVIRALS TARGETING SAM-DEPENDENT VIRAL METHYLTRANSFERASES	Prof.Shailly Tomar	Israr UL Ansari, University of Wisconsin, United States/Amit Das, IIT Kharagpur, India/Dr. Aarthi Narayanan, Biology Department, George Mason University, USA	04-02-2025	2/13/2025
20	17903037	KM SARTAJ	BSBE	STUDIES ON BIOSYNTHETIC PATHWAYS TO ENHANCE LIPID ACCUMULATION IN OLEAGINOUS YEAST	Prof.Ramasare Prasad	Dr. Sanjay Kumar, Indian Institute of Technology (BHU) Varanasi/Dr. Naseem A. Gaur, International Centre for Genetic Engineering and Biotechnology Aruna Asaf Ali Marg, New Delhi, India	22-11-2024	11/26/2024
21	18903004	KUNCHAPU CHENNAKESAVULU	BSBE	UNDERSTANDING FUNCTIONS OF AP2-DOMAIN CONTAINING TRANSCRIPTION FACTORS IN RICE	Prof.Shri Ram Yadav	ANTHONY BISHOPP, PLANT SCIENCE SUTTON BONINGTON CAMPUS SUTTON BONINGTON/Manu Agarwal, University of Delhi	04-09-2024	9/13/2024
22	16903023	MAMTESH KUMARI	BSBE	MOLECULAR AND BIOCHEMICAL RESPONSES OF GUAR DURING DROUGHT STRESS	Prof.Ramasare Prasad	Dr. Amal Kanti Bera , Indian Institute of Technology Madras/Dr. Rajesh Patkar, Indian Institute of Technology Bombay	27-11-2024	12/19/2024
23	17903008	MONICA YADAV	BSBE	CHARACTERIZATION OF HUMAN MILK FAT GLOBULE MEMBRANE INTERACTION WITH THE GUT MICROBIOTA	Prof.Srinivas Kiran Ambatipudi	Dr. Debasis Nayak, Indian Institute of Science Education and Research Bhopal/Dr. Mukesh Gupta, National Animal Resource Facility for Biomedical Research	03-09-2024	8/19/2024
24	18903005	NEHUL SANKETKUMAR VISHNU	BSBE	PROTEIN-PROTEIN INTERACTIONS AS THERAPEUTIC TARGET IN RNA VIRUSES.	Prof.Shailly Tomar	Mahesh Narayan, The University of Texas at EL Paso, United States/Deepti Jain, DBT-Regional Centre for Biotechnology (RCB-DBT), Gurgaon Expressway, Faridabad – 121001, Haryana (NCF Delhi), India	30-07-2024	8/20/2024

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25	18903006	NITIN DHAKA	BSBE	CHARACTERIZATION OF NF-Kb SPECIFICITY ON GENE REGULATION	Prof. Sulakshana P.Mukherjee	Prof. Ashutosh Kumar (I.I.T Bombay), Prof. Soumya De (I.I.T. Kharagpur)	10/18/2024	11/11/2024
26	18903035	PALLAVI AGRAWAL	BSBE	STUDY OF G-QUADRUPLEX FORMING DNA SEQUENCES AND THEIR INTERACTION WITH PHYTOCOMPOUNDS	Prof.Maya S. Nair	Dr. Dinesh Kumar, Centre of Biomedical Research (CBMR), Lucknow/Achikanath C. Bhasikuttan, Bhabha Atomic Research Centre, Mumbai	14-11-2024	11/25/2024
27	18903036	PUNEET KUMAR	BSBE	COMPUTATIONAL APPROACHES TOWARD UNDERSTANDING MOLECULAR MECHANISM OF LIGANDS TARGETING INTEGRIN RECEPTORS	Prof.Pranita Pragnayadipta Sarangi	Dr. Snehasis Chowdhuri, IIT Bhubaneswar/Dr. Minsoo Kim, University of Rochester	12/10/2024	12/23/2024
28	17903013	SHREYA SRIVASTAVA	BSBE	MACHINE LEARNING AND TELEMEDICINE FOR THE EARLY DIAGNOSIS AND TREATMENT OF CARDIOVASCULAR DISEASES	Prof.Deepak Sharma	PROF SANDEEP SETH, AIIMS NEW DELHI/DR DINESH GUPTA, ICGEB NEW DELHI/PROF SONIKA TYAGI, MONASH UNIVERSITY	22-11-2024	11/27/2024
29	15903033	SWASTI LAVANIA	BSBE	PROCESS DEVELOPMENT FOR SYNTHESIS OF HETERCOCYCLIC HYDRAZIDE COMPOUNDS USING AMIDASE	Prof. Bijan Choudhury	Prof. Savitha J. M., BU, Bangalore, Prof. Kashyap Kumar Dubey, JNU Delhi, Prof. Ludmila Martinkova, Czech Academy of Science	9/3/2024	9/6/2024
30	21910064	AKHILESH PASWAN	CE	NUMERICAL STUDY OF COLLOID-FACILITATED CONTAMINANT TRANSPORT THROUGH POROUS MEDIA	Prof.PRAMOD KR. SHARMA	Prof. Rajesh Srivastava, Indian Institute of Technology Kanpur Kanpur - 208016, India/Prof. Thomas Boving, Woodward Hall University of Rhode Island Kingston/Dr. Jaan H. Pu, University of Bradford	20-12-2024	12/23/2024
31	19910019	AKSHAY GUPTA	CE	DRIVING BEHAVIOUR ASSESSMENT AND SAFETY ANALYSIS ON EXPRESSWAYS IN INDIA	Prof.Pushpa Choudhary, Manoranjan Parida	Prof. P. Vedagiri, IIT Bombay/Prof. Akhilesh Maurya, IIT Guwahati	09-08-2024	8/13/2024
32	20910003	ASCHALEW CHERIE WORKNEH	CE	ESTIMATION OF CROP WATER STRESS INDEX USING MACHINE LEARNING TECHNIQUES AND IRRIGATION SCHEDULING	Prof.Kotnoor Suryanarayan Rao Hari, Chandrashekhar Prasad Ojha	Dr. Rao S. Govindaraju, Purdue University/Dr. M. Sekhar, Indian Institute of Science Bangalore	29-07-2024	8/6/2024
33	18910052	ASHUTOSH VERMA	CE	INVESTIGATION OF GEOSYNTHETIC REINFORCED SOIL BRIDGE ABUTMENTS	Prof.Satyendra Mittal	Prof. Deepankar Choudhury, Indian Institute of Technology, Bombay/Prof. Neelima Satyam, Indian Institute of Technology, Indore	21-10-2024	10/28/2024

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34	17910007	AWADHESH SHARMA	CE	MECHANICAL AND FRACTURE STUDIES ON ULTRA-HIGH PERFORMANCE FIBRE REINFORCED CONCRETE	Prof.Sonalisa Ray, Mohammad Ashraf Iqbal	Dr. Konjengbam Darunkumar Singh, Indian Institute of Technology Guwahati/Sanket Nayak, Indian Institute of Technology (Indian School of Mines) Dhanbad	18-10-2024	12/27/2024
35	20910036	AYANA GHOSH	CE	PERFORMANCE EVALUATION OF RAP INCORPORATED GEOPOLYMER CONCRETE FOR APPLICATION IN THE PQC LAYER OF RIGID PAVEMENTS	Prof.Gondaimei Ransinchung R.N.	DR. ARAVIND KRISHNA SWAMY, INDIAN INSTITUTE OF TECHNOLOGY DELHI/DR. BRIND KUMAR, INDIAN INSTITUTE OF TECHNOLOGY BHU	25-10-2024	11/7/2024
36	17910026	CHANDEL ANOOPSINGH JA	CE	STABILITY OF RESERVOIR RIM SLOPES SUBJECTED TO FLUCTUATING WATER LEVEL	Prof.Mahendra Singh, , Vikas Thakur	Dr. Gonghui Wang, Kyoto University/Dr. Neelima Satyam, IIT Indore	28-08-2024	9/6/2024
37	18910079	CHANDRA HAS SINGH	CE	UAV FOR HILLY AREA MAPPING AND OBJECT DETECTION	Prof.Kamal Jain, , MARTIN MOKROS	Dr.Kailsah Chandra Tiwari, Delhi Technological University/Dr. MV Ravibabu, National Institute of Rural Development and Panchayti Raj	17-09-2024	9/26/2024
38	19910021	CHANDRABHAN SINGH	CE	FAILURE MECHANICS OF CONCRETE SUBJECTED TO HIGH STRAIN LOADING RATE	Prof.Pramod Kumar Gupta	DR. P. VENKITANARAYANAN, INDIAN INSTITUTE OF TECHNOLOGY KANPUR/DR. SAHIL BANSAL, INDIAN INSTITUTE OF TECHNOLOGY, DELHI	03-10-2024	12/23/2024
39	20910037	DARA SINGH VOHRA	CE	USE OF MULTI MINIATURE UNMANNED AERIAL VEHICLES (UAVS) FOR SHORT RECONNAISSANCE AND INTELLIGENCE GATHERING MISSIONS FOR SITUATIONAL AWARENESS	Prof.Pradeep Kumar Garg, Sanjay Kumar Ghosh	Dr. Anurag Ohri, BHU IT/Dr. Raaj Ramshankaran, IIT Bombay/Dr. Rathna G.N., IISc Bangaluru	26-12-2024	12/31/2024
40	19910005	DOLONCHAPA PRABHAKAR	CE	AUTOMATED BUILDING EXTRACTION FROM VERY HIGH-RESOLUTION SATELLITE IMAGES USING DEEP-LEARNING	Prof.Pradeep Kumar Garg	Dr. Raaj Ramshankaran, Indian Institute of Technology Bombay/Dr. Nitin Tripathi, School of Engg. and Technology Asian Institute of Technology	13-12-2024	12/17/2024
41	18910011	GHAZAL SRIVASTAVA	CE	SIMULTANEOUS NITRIFICATION AND DENITRIFICATION (SND) AND ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL (EBPR) IN SBR PLANTS IN INDIA	Prof.Absar Ahmad Kazmi	Brajesh Kumar Dubey, IIT kharagpur/Ashok Kumar Gupta, IIT Kharagpur	04-11-2024	11/21/2024

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42	18910013	HARSHIT	CE	IMPLEMENTATION OF PHOTOGRAMMETRIC POINT CLOUD FOR 3D GIS MODELLING	Prof.Kamal Jain, , Prof. Sisi Zlatanova	Dr. Kourrosh Khoshelham , University of Melbourne/Dr. Anurag Ohri , Indian Institute of Technology - BHU	22-07-2024	7/31/2024
43	18910055	HIMANGSHU SARKAR	CE	EVALUATION OF LOCAL GROUNDWATER STORAGE WITH FIELD GRAVITY DATA USING MACHINE LEARNING TECHNIQUES	Prof.Chandrashek har Prasad Ojha, Sanjay Kumar Ghosh	Dr. Prabhat Kumar Singh Dikshit, Indian Institute of Technology (BHU) Varanasi/Dr.Sekhar M, Indian Institute of Science Bangalore	24-02-2025	3/4/2025
44	18910016	KENYUM BAGRA	CE	UNRAVELLING THE DRIVERS OF ANTIBIOTIC RESISTANCE IN URBAN RIVERS	Prof.Gargi Singh	Dr. Jon Hobman, University of Nothingham/Dr. Sudha Goel, Indian Institute of Technology Kharagpur/Dr. Ramaraj Boopathy, Nicholls State University	09-12-2024	12/27/2024
45	18910024	MOHD ASIF	CE	STUDY OF DOUBLE LAYERED NUCLEAR CONTAINMENT STRUCTURE AGAINST RIGID MISSILE IMPACT	Prof.Mohammad Ashraf Iqbal	Dr. Vladimir Bratov, Edinburgh, Napier University, Edinburgh/Dr. Husain Abbas, King Saud University	18-12-2024	3/12/2025
46	20910021	MURAPAKA SWAMYNAIDU	CE	HYDRAULIC CONDUCTIVITY OF ADMIXTURE STABILISED CLAYS: APPLICATION TO IN-SITU SOIL MIXING TECHNIQUES FOR SEEPAGE BARRIERS	Prof.Akanksha Tyagi	Yao Kai, Shandong University/Arvind Kumar Jha, IIT Patna	10-01-2025	1/15/2025
47	18910063	PRATEEK NARAYAN PANDA	CE	CABLE BRACES FOR RESISTING LATERAL LOADS IN BUILDINGS	Prof.Anupam Chakrabarti, Vipul Prakash	Prof. Amlan Kumar Sengupta, Indian Institute of Technology Madras/Prof. Dimitrios Lignos, Ecole pollllytechnque ffederale de Luussane	18-12-2024	12/23/2024
48	18910034	RAKESH KUMAR PATRA	CE	POST FIRE BEHAVIOUR OF GRANULATED BLAST FURNACE SLAG AGGREGATE CONCRETE FILLED STEEL TUBE	Prof.Pramod Kumar Gupta	DR. SUDIP TALUKDAR, INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI/DR. SANDEEP CHAUDHARY, INDIAN INSTITUTE OF TECHNOLOGY INDORE	09-08-2024	8/13/2024
49	18910066	RAVI VERMA	CE	MODELLING OF URBAN DYNAMICS USING URBAN GREEN SPACE AND MULTI-SENSOR DATA	Prof.Pradeep Kumar Garg	Raaj Ramshankaran, IIT Bombay/. Martin Kappas, Institute of Geography Cartography, Goldschmidtstr. 537077, Gottingen,	13-09-2024	9/23/2024
50	18910036	SANJAY KUMAR TAK	CE	QUASI-STATIC AND DYNAMIC AXIAL COMPRESSION BEHAVIOUR OF METALLIC TUBES	Prof.Mohammad Ashraf Iqbal	P. Venkitanarayanan, IIT Kanpur/Abhishek Rajput, IIT Indore/Amol Gokhale, IIT Bombay	26-09-2024	10/1/2024

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51	15910014	SAWANT SURAJ TANAJI	CE	DEVELOPMENT OF AN INTELLIGENT GAS PIPELINE ROUTE ALIGNMENT SYSTEM	Prof.Rahul Dev Garg	Dr. Anurag Ohri, BHU IIT /Dr. Mahesh Pal, NIT Kurushetra	09-12-2024	12/13/2024
52	19910012	SHASHANK CHANDRA	CE	FIRE PERFORMANCE OF CORRODED REINFORCED CONCRETE COLUMNS	Prof.Umesh Kumar Sharma	Dr. S. Talukdar, Indian Institute of Technology Guwahati/Dr. Yogesh M. Desai, Indian Institute of Technology Bombay/Dr. Chandra Kishen J M, Indian Institute of Science Bengaluru	19-12-2024	1/1/2025
53	18910039	SHIVAM KUMAR	CE	BEHAVIOUR OF ALKALI-ACTIVATED SLAG CONCRETE-FILLED STEEL TUBULAR COLUMNS UNDER AXIAL COMPRESSION AND LATERAL IMPACT	Prof.Pramod Kumar Gupta, Mohammad Ashraf Iqbal	DR. SUDIP TALUKDAR, INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI/DR. KRISHNA KANT PATHAK, INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI	28-02-2025	3/4/2025
54	18910072	SNIGDHA PANDEY	CE	EXPERIMENTAL AND NUMERICAL INVESTIGATION ON GROUNDWATER FLOW AND SOLUTE TRANSPORT THROUGH FRACTURED MEDIA	Prof.Pramod Kumar Sharma	Dr. Rajib Bhattacharya, Indian Institute of Technology Guwahati-781039, Assam, India/Dr. Venu Chandra, Indian Institute of Technology Madras/Dr. Jaan H. Pu, University of Bradford	24-12-2024	12/27/2024
55	17910035	SURENDRA SINGH CHOUDHARY	CE	ESTIMATION OF WATER SPREAD AREA OF A RESERVOIR USING SATELLITE DATA AND DEEP LEARNING.	Prof.Sanjay Kumar Ghosh	Dr. Anurag Ohri, Indian Institute of Technology BHU/Dr. Raaj Ramsankaran, IIT Bombay	10-09-2024	9/20/2024
56	18910042	SURVESH CHETIVAL	CE	ASSESSMENT, ANALYSIS AND CONSERVATION OF TRADITIONAL AND HERITAGE BUILDINGS	Prof.Sanjay Chikermane	Prof. Anjan Dutta, IIT Guwahati/Dr. Achal Kumar Mittal, CSIR-CBRI	04-09-2024	9/20/2024
57	18910075	U MEENU KRISHNAN	CE	ENHANCING COMPUTATIONAL EFFICIENCY IN MULTI-PHYSICS FRACTURE ANALYSIS AND TOPOLOGY OPTIMIZATION USING ADAPTIVE PHASE-FIELD METHOD	Prof. Rajib Chowdhury	Dr. Amirtham Rajagopal (IIT H), Dr. Palaniappan Ramu (IIT M), Dr Ravindra Duddu (Vanderbilt school of Engineering)	12/4/2024	12/13/2024
58	15520016	VISHAL MISHRA	CE	MAPPING AND ASSESSING RESERVOIR-INDUCED LANDSLIDES USING GEO-AI TECHNIQUES	Prof.Kamal Jain	Prof. Dheeraj Kumar, Indian Institute of Technology (ISM) Dhanbad/Dr Anurag Ohri, Indian Institute of Technology (BHU) Varanasi	23-12-2024	1/20/2025
59	18908014	AKANKSHA SINGH RAJPUT	CH	NICKEL-CERIA BASED CATALYST FOR SYNGAS PRODUCTION FROM DRY REFORMING OF METHANE	Prof.Taraknath Das	PATRICIA CONCEPCIÓN, Universitat Politecnica de Valencia/SUNIL K. MAITY, INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD	21-03-2025	3/24/2025

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60	18908015	AKANSHA PANDEY	CH	TRI- REFORMING OF METHANE FOR THE PRODUCTION OF SYNTHESIS GAS	Prof.Prakash Biswas	Prof. Nageswara Rao Peela, Indian Institute of Technology Guwahati/Prof. Debaprasad Shee, Indian Institute of Technology Hyderabad	24-09-2024	9/26/2024
61	17908015	NEHA JAIN	CH	FILM FLOW INSTABILITIES: EFFECT OF SURFACTANT, IMPOSED SHEAR AND POROUS SUBSTRATE	Prof.Gaurav	DIPANKAR BANDYOPADYAY, IIT-GUWAHATI/V. SHANKAR, IIT-KANPUR	16-10-2024	10/18/2024
62	19908009	PANKAJ KUMAR	CH	DIRECT HYDROTHERMAL VALORIZATION OF BIOMASS AND ELECTROPLATING EFFLUENT	Prof.N. Siva Mohan Reddy	Nageswara Rao Peela, Indian Institute of Technology Guwahati/Bhim Charan Meikap, Indian Institute of Technology Kharagpur	03-10-2024	10/15/2024
63	19908010	PANKAJ KUMAR	CH	MOLECULAR SIMULATIONS ON PROPANE AND PROPYLENE UPGRADATION USING DENSITY FUNCTIONAL THEORY	Prof.Vimal Chandra Srivastava	Meenesh R. Singh, University of Illinois Chicago (UIC), USA/Jayant K. Singh, Indian Institute of Technology Kanpur	16-10-2024	10/24/2024
64	18908018	SANJEEVANI HOODA	CH	CONVERSION OF POLYPROPYLENE-RICH DISPOSABLE FACE MASK THROUGH CATALYTIC PYROLYSIS TO PRODUCE HIGH-VALUE HYDROCARBON-OIL	Prof.Prasenjit Mondal	Prof. Bhim Charan Meikap, Indian Institute of Technology Kharagpur/Prof. Kaustubha Mohanty, Indian Institute of Technology Guwahati	11-09-2024	9/13/2024
65	19911005	ANSHUL PUNDHIR	CS	UTILITY ENHANCEMENT AND BIAS MITIGATION IN SKIN LESION ANALYSIS USING DEEP LEARNING	Prof.R. Balasubramanian	PROF. KIDIYO KPALMA, NATIONAL INSTITUTE OF APPLIED SCIENCES OF RENNES/Dr. SRIPARNA SAHA, INDIAN INSTITUTE OF TECHNOLOGY PATNA	03-10-2024	10/22/2024
66	21911002	ANUJ SACHAN	CS	SOFTWARE DEFINED NETWORKING ENABLED ADVANCED TRAFFIC LIGHT SCHEDULING ALGORITHMS	Prof.NEETESH KUMAR	Dr. Kshirasagar Naik, University of Waterloo/Dr. Sumantra Dutta Roy, Indian Institute of Technology Delhi	07-10-2024	11/8/2024
67	18911004	MARAM HASAN	CS	LEARNING COLLABORATIVE BEHAVIOR IN CONSTRAINED MULTI-AGENT ENVIRONMENT	Prof.Rajdeep Niyogi	RAVI S SINGH, IIT BHU/PRASANTA K JANA, IIT ISM DHANBAD	14-01-2025	1/27/2025
68	20911017	NISHA SINGH CHAUHAN	CS	ATTENTION-INFUENCED DEEP LEARNING MODELS FOR TRAFC FLOW PREDICTION	Prof. Neetesh Kumar	Dr. Sumantra Dutta Roy (I.I.T. Delhi), Dr. Akshi Kumar (Goldsmiths, University of London)	7/8/2024	8/9/2024
69	16911006	SHINGADE SANDIP TUKARAM	CS	A FRAMEWORK FOR METAHEURISTIC BASED ALGORITHMS FOR TEAM FORMATION	Prof.Rajdeep Niyogi	ALFREDO MILANI, University of Perugia/ADRIANA GIRET, Universitat Politecnica de Valencia	18-11-2024	11/20/2024

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70	15911017	TOFIK ALI	CS	INFORMATION RETRIEVAL AND LOCALIZATION IN DOCUMENT IMAGES	Prof.Partha Pratim Roy	Debi Prosad Dogra, Indian Institute of Technology, Bhubaneswar/Samarjit Kar, National Institute of Technology, Durgapur	07-10-2024	10/22/2024
71	19911013	VAISHALI KANSAL	CS	ADVANCED EPIDEMIC MODELLING, PREDICTION AND CONTROL: ANALYSIS OF COVID-19 PANDEMIC IN INDIA	Prof.Pradumn Kumar Pandey	Prof. Y. N. Singh, Indian Institute of Technology, Kanpur/Prof. Vaneet Agaarwal, CERIAS, Purdue University	29-11-2024	1/14/2025
72	21909002	AKHIL PATTER	CY	CATALYTIC ROLE OF VANADIUM AND MOLYBDENUM BASED HETEROGENEOUS COMPLEXES IN BIOMIMETIC AND MULTICOMPONENT REACTIONS	Prof.Mannar Ram Maurya, Kaushik Ghosh	DILLIP KUMAR CHAND, Indian Institute of Technology Madras 600 036/PRASENJIT GHOSH , Indian Institute of Technology Bombay/MARCELLO CRUCIANELLI, University of L'Aquila	10-01-2025	1/24/2025
73	18909004	ANOOP YADAV	CY	CONSTRUCTION OF C-HETEROATOM BONDS IN THE SYNTHESIS OF PYRROLOCOUMARINS, OXINDOLE-BASED ENAMINES / ENOL THIOETHERS AND BENZOFLUORENO-NAPHTHOFURAN DERIVATIVES	Prof.Rama Krishna Peddinti	V. R. Pedireddi, Indian Institute of Technology Bhubaneswar/Kumar Biradha, Indian Institute of Technology Kharagpur	31-12-2024	1/20/2025
74	18909017	KAMAL VERMA	CY	CARBAZOLE-BASED COVALENT ORGANIC MATERIALS FOR HETEROGENEOUS CATALYTIC APPLICATIONS	Prof.K.R. JUSTIN THOMAS	Asim Bhaumik, Indian Association for the Cultivation of Science/Prasenjit Ghosh, IIT Bombay	17-01-2025	1/24/2025
75	18909042	KRISHANAN BISHT	CY	STUDIES ON HETERO-ATOM DOPED CARBON DOTS AND THEIR NANOCOMPOSITES WITH BISMUTH BASED METAL OXIDES FOR SENSING AND PHOTOCATALYTIC DEGRADATION	Prof.Raj Kumar Dutta	Susanta Banerjee, IIT Kharagpur/Ashok Kumar Mishra, IIT Madras/ Ramanathan Gurunath, IIT Kanpur	07-02-2025	2/25/2025
76	18909043	MOHIT	CY	COVALENT ORGANIC MATERIALS FOR HETEROGENEOUS CATALYSIS AND SENSING APPLICATIONS	Prof.K.R. JUSTIN THOMAS	Venkata Krishnan, IIT Mandi/Parameswar K. Iyer, IIT Guwahati	15-01-2025	1/24/2025
77	18909044	MONIKA	CY	SURFACE MODIFICATION OF METAL OXIDE NANOPARTICLES, NANOCOMPOSITES AND THEIR APPLICATIONS	Prof.Pethaiyan Jeevanandam	Dr. DEBABRATA PRADHAN, INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR/Dr. RAJAMANI NAGARAJAN, UNIVERSITY OF DELHI	17-02-2025	3/3/2025

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78	20909009	MONOJIT NANDI	CY	CATALYTIC AND BIOLOGICAL APPLICATIONS OF VANADIUM AND MOLYBDENUM COMPLEXES	Prof.Mannar Ram Maurya, Kaushik Ghosh	PRASENJIT GHOSH , Indian Institute of Technology Bombay/TARUN KANTI PANDA, Indian Institute of Technology Hyderabad	06-03-2025	3/24/2025
79	18909022	NIHAL SINGH	CY	VISIBLE LIGHT INDUCED ELECTRON DONOR-ACCEPTOR BASED ALKYLATION (CSP2-CSP3) AND ARYLATION (CSP2-CSP2) REACTIONS.	Prof.Anuj Sharma	Dr. Anand Singh, IIT Kanpur/Dr. Parthasarathi Das, IIT Dhanbad	07-03-2025	3/13/2025
80	19909005	PARVEEN	CY	DFT APPLICATIONS IN RATIONALIZING BORON-BASED CATALYTIC REACTIONS FOR INDUSTRIALLY VALUABLE CHEMICALS	Prof.Puneet Gupta	Achintya Kumar Dutta, IIT Bombay/Kallol Ray, Humboldt-Universität zu Berlin	14-01-2025	2/10/2025
81	19909007	PRACHI BHATIA	CY	DESIGN, SYNTHESIS AND CHARACTERIZATION OF INSENSITIVE ENERGETIC MATERIALS BASED ON N-FUNCTIONALIZATION OF 4-HYDROXY-3,5-DINITROPYRAZOLE	Prof.Dheeraj Kumar	Prof. Bhisma Kumar Patel, IIT Guwahati/Prof. Anil J Elias, IIT Delhi/Prof. Akhilesh K. Verma, Delhi University	20-01-2025	3/10/2025
82	18909047	SANCHARIKA DALAL	CY	SELF-ASSEMBLY OF BIOMATERIALS AND NOBLE METAL NANOMATERIALS FOR FLUOROGENIC STUDIES	Prof.Kalyan Kumar Sadhu	Sandeep Verma, IIT Kanpur/Prasenjit Ghosh, IIT Bombay	22-11-2024	12/11/2024
83	19909013	SUJAN SEN	CY	MULTINARY PEROVSKITES AND THEIR APPLICATIONS IN OXYGEN ELECTROCATALYSIS	Prof.Tapas Kumar Mandal	Dr. J. Paul Attfield, FRS, University of Edinburgh/Dr. Sukhendu Mondal, Indian Institute of Science Education and Research Thiruvananthapuram	11-03-2025	3/24/2025
84	18909055	SUMAN DHAMI	CY	INVESTIGATIONS ON THE EXCITED STATE DYNAMICS OF ORGANIC MOLECULES USING TRANSIENT ABSORPTION SPECTROSCOPY	Prof.Ravindra Pandey	Prof. Timothy Schmidt, School of Chemistry, University of Sydney/Prof. Sean T. Roberts, Department of Chemistry, University of Texas at Austin	21-12-2024	1/1/2025
85	18909038	SUNIL KUMAR	CY	PHOTOCATALYTIC ACTIVATION OF ORGANIC SCAFFOLDS FOR C-X (X = C, N, O) BOND FORMATION	Prof.K.R. JUSTIN THOMAS	Challapalli Subrahmanyam, IIT Hyderabad/N. G. Ramesh, IIT Delhi	17-01-2025	1/24/2025
86	18909033	VATSALA CILAMKOTI	CY	FUNCTIONALIZED PHOTOLUMINESCENT CARBON DOTS AND THEIR NANOCOMPOSITES WITH METAL OXIDE NANOPARTICLES: APPLICATIONS IN SENSING AND PHOTOCATALYSIS	Prof.Raj Kumar Dutta	Debabrata Pradhan, IIT Kharagpur/Ashok Kumar Mishra, IIT Madras	18-09-2024	9/23/2024

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87	18904006	DEEPTI NAUTIYAL	DM	DETECTING GEOMORPHOLOGICAL INDICATORS OF LANDSLIDES IN WESTERN HIMALAYA EMPLOYING GEOSPATIAL TECHNIQUES	Prof.Josodhir Das, Arun Kumar Saraf	DR. B. S. CHAUDHARY, KURUKSHETRA UNIVERSITY, KURUKSHETRA/DR. S. PIRASTEH, WATERLOO INSTITUTE OF DISASTER MANAGEMENT	23-01-2025	2/10/2025
88	17904006	SASHIKANTA SAHOO	DM	GEOSPATIAL MODELING OF GROUNDWATER DEPLETION AND ITS IMPACT IN PARTS OF NORTHWEST INDIA	Prof.Ajanta Goswami, , Dr. Brijendra Pateriya	Dr. Mukunda Dev Behera, IIT Kharagpur/Dr. Bhaskar Ramachandra Nikam, ISRO	21-12-2024	12/27/2024
89	18915015	ADITYA SINGH THAKUR	EC	INVESTIGATION ON METAMATERIAL BASED HIGH POWER MICROWAVE DEVICES	Prof.M. V. Kartikeyan, Prof. Meenakshi Rawat	Dr. Amitavo Roychoudhury, CSIR-Central Electronics Engineering Research Institute, Pilani/Prof. M. Thottappan, Indian Institute of Technology (Banaras Hindu University)	20-12-2024	1/1/2025
90	19915028	AMRITA JOSHI	EC	DESIGN AND DEVELOPMENT OF WSN-IOT-EDGE-AI BASED LANDSLIDE EARLY WARNING SYSTEM	Prof.Rajib Panigrahi, Dr. Debi Prasanna Kanugo	Rajesh M. Hegde, IIT Kanpur/Dr. Debi Prosad Dogra, IIT Bhubaneswar	18-11-2024	12/30/2024
91	18915001	ANJANA NAGA JYOTHI KUKUNURI	EC	MULTI SENSOR DATA APPLICATION WITH MACHINE LEARNING FOR CLASSIFICATION AND SOIL MOISTURE RETRIEVAL	Prof.Dharmendra Singh	Dr. T. N. Singh, Indian Institute of Technology Patna, Bihta, Patna - 801106 (Bihar), India/Dr. P. C. Pandey, IIT Gandhinagar Gandhinagar - 382055, Gujarat	18-11-2024	12/11/2024
92	19915030	ANKITA CHAUHAN	EC	COORDINATED INTERLEAVING AND MULTIDIMENSIONAL SIGNAL SPACE-BASED SIC REDUCTION STRATEGIES FOR MULTI-USER NOMA SYSTEMS	Prof.Anshul Jaiswal	Marco Di Renzo, CNRS & CentraleSupelec, Paris-Saclay University/Dr. Anh T. Pham, University of Aizu/Dr. Manav Bhatnagar, IIT Delhi	06-12-2024	12/16/2024
93	19915005	ANUPAM KUMARI	EC	DESIGN AND IMPLEMENTATION OF RECONFIGURABLE RECEIVER FRONT END FOR WIRELESS APPLICATIONS	Prof.Darshak Kishorchandra Bhatt	Prof. Vijay Shankar Pasupureddi, Indian Institute of Technology Bhubaneswar/Dr. Vinayak Hande, Infineon Inc/Dr. AVG Subramanyam , U R Rao Satellite Centre, ISRO	04-09-2024	8/13/2024
94	18915002	ARPIT KUMAR BARANWAL	EC	DESIGN AND DEVELOPMENT OF W-BAND COMPONENTS USING DIELECTRIC INTEGRATED GUIDES	Prof.Nagendra Prasad Pathak, Prof. Akhilesh Mohan	Dr. Sukomal Dey, Indian Institute of Technology Palakkad/Dr. Amit Kumar Singh, IIT(BHU)	29-11-2024	12/6/2024

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95	19915032	ARSHID NISAR LAWAY	EC	SPIN BASED DEVICES FOR MEMORY AND COMPUTING	Prof.Bishnu Prasad Das	Dr. Supriyo Bandyopadhyay, Virginia Commonwealth University/Dr. Ashwin A. Tulapurkar, IIT Bombay	23-09-2024	10/1/2024
96	18915017	DEEKSHA PANDEY	EC	DESIGN, ANALYSIS AND DEVELOPMENT OF INTEGRATED RF RESONATOR BASED 3D PRINTED SENSORS	Prof.Nagendra Prasad Pathak	Amit Kumar Singh, IIT BHU/Takashi Shimizu, Graduate School of Engineering, Utsunomiya University	17-12-2024	2/10/2025
97	19915013	GAURAV VERMA	EC	DESIGN OF NEURAL NETWORK AND IMAGE PROCESSING ACCELERATORS USING SPIN BASED DEVICES	Prof. Sparsh Mittal	Dr. Abhronil Sengupta (Penn State College of Engineering), Dr. Farshad Moradi (Aarhus University, Denmark)	12/19/2024	1/1/2025
98	18915018	HARI SHANKAR	EC	MEASUREMENT OF GROUND SURFACE MOVEMENT USING MULTI-TEMPORAL INTERFEROMETRIC SAR TECHNIQUES	Prof. Dharmendra Singh, Dr. Prakash Chauhan	Dr. Madhu Chandra, Technische Universitaet Chemnitz/Prof. Gulab Singh, INDIAN INSTITUTE OF TECHNOLOGY BOMBAY	06-03-2025	3/24/2025
99	19915038	INDERKUMAR MADANMOHAN KOCHAR	EC	LUNAR REGOLITH CHARACTERIZATION USING POLARIMETRIC SYNTHETIC APERTURE RADAR DATA	Prof.Rajib Panigrahi	Dr. Avik Bhattacharya, IIT Bombay/Dr. Saroj Kumar Meher, Indian Statistical Institute, Bangalore	13-11-2024	12/11/2024
100	19915018	JYOTI PATEL	EC	MODELING AND OPTIMIZATION OF FINFET/NANOSHEET FET FOR HIGH-FREQUENCY APPLICATIONS	Prof.Sudeb Das Gupta	Runsheng Wang, Peking University, China/Satyabrata Jit, IIT-BHU	13-08-2024	8/20/2024
101	17915005	MEDHA JOSHI	EC	METAL-ORGANIC FRAMEWORK BROADBAND PHOTODETECTORS	Prof.Brijesh Kumar	Prof. Satyabrata Jit, Indian Institute of Technology BHU/Dr. Vidya Nand Singh , National Physical Laboratory/Prof. Dinesh Kabra, IIT Bombay	13-12-2024	12/23/2024
102	16915002	MEENAL	EC	ANALYSIS AND DESIGN OF IN-BAND FULL-DUPLEX ANTENNAS	Prof.Amalendu Patnaik	Dr. Kambiz Moez, University of Alberta, Edmonton AB, Canada/Dr. Manoj Kumar Meshram, IIT BHU	16-12-2024	12/19/2024
103	17915014	NAVNEET NAYAN	EC	MULTIMODAL APPROACH TO HAND GESTURE RECOGNITION AND SYNTHESIS	Prof.Debashis Ghosh, Prof. Pyari Mohan Pradhan	Somnath Dey, Indian Institute of Technology Indore/C. Krishna Mohan, Indian Institute of Technology Hyderabad/Indrajit Chakrabarti, Indian Institute of Technology Kharagpur	04-11-2024	11/12/2024
104	19915022	PRIYA G L	EC	COMPRESSIVE SENSING-BASED DATA GATHERING IN WIRELESS VISUAL SENSOR NETWORKS	Prof.Debashis Ghosh	Swades De, Indian Institute of Technology Delhi/Indrajit Chakrabarti, Indian Institute of Technology Kharagpur	18-12-2024	12/20/2024

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105	18915008	RAKESH SINGH	EC	MICROWAVE IMAGING FOR EARLY BREAST CANCER DETECTION	Prof.Dharmendra Singh, , Prof.Manoj Gupta	A. R. HARISH, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR/Dr. S. N. Merchant, Dept. of Electrical Engineering IIT Bombay, Mumbai 400076/Dr. Y. Yamaguchi , Niigata University, 950-2181Japan	06-01-2025	1/27/2025
106	19915024	SAMPATI RAO SRIDHAR	EC	FABRICATION AND CHARACTERIZATION OF PHOTOMULTIPLICATION TYPE ORGANIC PHOTODETECTORS	Prof.Brijesh Kumar	Dr. Satyabrata Jit, Indian Institute of Technology BHU/Prof. Dinesh Kabra, IIT Bombay	11-03-2025	3/24/2025
107	18915022	SEEMA	EC	ANALYSIS OF MULTIBIT SPIN DEVICES, MEMORY AND NEURAL NETWORK	Prof.Sanjeev Kumar Manhas	SUPRIYO BANDYOPADHYAY, VIRGINIA COMMONWEALTH UNIVERSITY,/GIOVANNI FINOCCHIO, UNIVERSITY OF MESSINA, ITALY	18-09-2024	10/1/2024
108	19915027	SURILA GUGLANI	EC	FAST UNCERTAINTY QUANTIFICATION OF ON-CHIP GRAPHENE-BASED NANOINTERCONNECTS AND NANOSCALE FIELD-EFFECT TRANSISTORS (FETS)	Prof.Sourajeet Roy	Stefano Grivet Talocia, Politecnico di Torino/Harshit Agarwal, IIT Jodhpur	15-07-2024	2/6/2025
109	18914001	ABHIMANYU	EE	OPTIMAL OPERATION OF THREE – PHASE POWER DISTRIBUTION SYSTEM INTEGRATED MULTI – ENERGY SYSTEMS	Prof.Narayana Prasad Padhy	Dr. Sri Niwas Singh, IIT Kanpur/Dr. K Shanti Swarup, IIT Madras	22-11-2024	11/25/2024
110	18914005	CHAVALI RAVIVARMA	EE	SPACE VECTOR BASED HYSTERESIS CURRENT CONTROL TECHNIQUES FOR GRID-CONNECTED VOLTAGE SOURCE INVERTERS	Prof.Anubrata Dey, Biswarup Das	Prof. Srirama Srinivas, IIT Madras/Prof. Suryanarayana Doolla, IIT Bombay	04-03-2025	3/7/2025
111	19914005	DIKSHA KUMARI	EE	DEVELOPMENT OF GESTURE RECOGNITION SYSTEM FOR SIGN LANGUAGE INTERPRETATION	Prof.Radhey Shyam Anand	Prof. Sumantra Dutta Roy, IIT Delhi/ Prof. Ram Bilas Pachori, IIT Indore, Madhya Pradesh	24-09-2024	9/26/2024
112	16914017	JAGANNATH SAMANTARAY	EE	THEORETICAL ADVANCEMENTS AND IMPLEMENTATIONS OF DISCRETE-TIME SLIDING MODE CONTROL WITH HIGHER RELATIVE DEGREE SLIDING VARIABLE	Prof. Sohom Chakrabarty	Prof. Debasish Ghose, IISC Bangalore/Prof. Andrzej Bartoszewicz, Lodz University of Technology	29-07-2024	7/31/2024

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113	18914011	KANDUKURI SURENDRA	EE	STATE ESTIMATION AND UNCERTAIN POWER FLOW OF ISLANDED AC AND HYBRID AC/DC MICROGRIDS	Prof.Biswarup Das, Vinay Pant	Prof. Debapriya Das, Indian Institute of Technology, Kharagpur Kharagpur, West Bengal, India – 721302./Prof. Devender Singh, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh India 221005	11-09-2024	9/23/2024
114	20914019	KARTHIK SINGH PARIHAR	EE	DEVELOPMENT OF HIGH-POWER DENSITY SOLID-STATE TRANSFORMER (SST)	Prof.Mukesh Kumar Pathak	Prof. Denis Sidorov, Irkutsk National Research Technical University Irkutsk, Russia/Prof. Ambrish Chandra, Ecole de Technologie Superieure Montreal	22-01-2025	**1/28/2025**
115	17914006	MANOJ KUMAR CHAUDHURY	EE	INVESTIGATION ON MULTIPHASE INDUCTION MACHINE FOR ELECTRIC VEHICLE	Prof.Mukesh Kumar Pathak, Girish Kumar Singh	Prof. R K Singh, Indian Institute of Technology (BHU) Varanasi/Prof. Pradip Kumar Sadhu, IIT(ISM) Dhanbad, JHARKHAND	04-10-2024	10/9/2024
116	18914015	NAGINENI SUKUMAR	EE	VISION BASED LANE DETECTION TECHNIQUES AND DRIVER STATE MONITORING FOR ADAS	Prof.P. Sumathi	Dr. Shanmuganathan Raman, Indian Institute of Technology Gandhinagar/Prof. Sumantra Dutta Roy, Indian Institute of Technology Delhi	10-02-2025	2/12/2025
117	18914027	NISHA THANUA	EE	EFFECT OF AGING ON TRANSFORMER INSULATION MATERIALS	Prof.Mukesh Kumar Pathak	Prof. S. V. Kulkarni, IIT Bombay/Prof. B. T. Phung, University of New South Wales, Sydney	15-07-2024	7/31/2024
118	18914016	OM PRAKASH JAGA	EE	ANALYSIS AND DEVELOPMENT OF SINGLE STAGE SOLAR PV INVERTER SYSTEM	Prof.Sumit GhatakChoudhuri	Prof. Bhim Singh, IIT Delhi/Prof. R. Mahanty, IIT (BHU)	16-08-2024	8/28/2024
119	18914037	RAJEEV KUMAR	EE	HEALTH MONITORING AND IDENTIFICATION OF INDUCTION MOTOR FAULTS BASED ON CURRENT AND VIBRATION SIGNALS	Prof.Radhey Shyam Anand	Dr. Nishchal K. Verma, Indian Institute of Technology Kanpur/Dr. Ram Bilas Pachori, Indian Institute of Technology Indore	28-08-2024	8/30/2024
120	19914011	RATHOD VIRAL BIPINCHANDRA	EE	LOCALIZATION OF PARTIAL DISCHARGE IN POWER TRANSFORMER USING TIME REVERSAL TECHNIQUES	Prof.Bhaveshkumar Rameshchandra Bhalja	Sivaji Chakraborty, Jadavpur University, Kolkata/Mona Ghassemi, University of Texas, Dallas	09-09-2024	9/10/2024
121	18914018	RITU NAZNEEN ARA BEGUM	EE	ECG-BASED HUMAN IDENTIFICATION AND AUTHENTICATION	Prof.Ambalika Sharma, Girish Kumar Singh	Dr. Ram Bilas Pachori, Indian Institute of Technology Indore/Dr. Vikram M. Gadre, IIT Bombay	18-10-2024	10/22/2024

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122	19914021	SURAJ KUMAR CHAURASIYA	EE	INVESTIGATION ON MULTILEVEL CONVERTER FED SRM DRIVE	Prof.Avik Bhattacharya, Sharmili Das	Akshay Kumar Rathore, Singapore Institute of Technology, Singapore/Kaushik Rajashekara, University of Houston	24-02-2025	3/4/2025
123	18914036	WAJAHAT KHAN	EE	DESIGN AND DEVELOPMENT OF CONVERTERS FOR SOLID-STATE TRANSFORMER (SST) APPLICATION	Prof.Mukesh Kumar Pathak	Prof. BHIM SINGH, Indian Institute of Technology Delhi/Prof. Ranjit Mahanty, IIT(BHU)	23-09-2024	10/1/2024
124	18912028	DEEPAK KUMAR	EQ	CRUSTAL VELOCITY STRUCTURE OF NORTHWEST HIMALAYA USING SURFACE WAVE DISPERSION	Prof.Mukat Lal Sharma, Subhash Chandra Gupta, Suresh Gaddale	Dr. Ajay Paul , Seismology Division,Wadia Institute of Himalayan Geology(WIHG),33 G M Road,Dehradun/Dr. Yih-Min Wu, Professor, Department of Geosciences, National Taiwan University	20-09-2024	9/26/2024
125	19913001	GOWTHAM P.	EQ	RELIQUEFACTION MECHANISM AND ITS MITIGATION USING PREFABRICATED VERTICAL DRAINS	Prof.Bal Krishna Maheshwari	Prof. Deepankar Choudhury, Indian Institute of Technology Bombay/Prof. Murali Krishna , Indian Institute of Technology Tirupati	28-10-2024	11/12/2024
126	19913009	NEHA GUPTA	EQ	MULTI- HAZARD, VULNERABILITY AND RISK ASSESSMENT IN THE BHAGIRATHI VALLEY, UTTARAKHAND	Prof.Josodhir Das , Dr. D.P. Kanungo	Dr. SANJIT KUMAR PAL, Indian Institute of Technology (Indian School of Mines)/PROF. RAMESH CHANDRA PATEL, Banaras Hindu University (BHU)	03-03-2025	3/12/2025
127	18913010	VISHAL	EQ	PSEUDODYNAMIC NEAR-FAULT BROADBAND GROUND MOTION SYNTHETICS, ITS IMPLICATIONS AND STUDY OF RIDGE-TOPOGRAPGY EFFECTS	Prof.Jay Prakash Narayan	Dr. Paresh Nath Singha Roy , Indian Institute of Technology Kharagpur Kharagpur-721302 /Dr. Sanjit Kumar Pal , Indian Institute of Technology (ISM), Dhanbad/Dr. František Gallovic , Faculty of Mathematics and Physics Charles University V Holešovickách	20-03-2025	3/24/2025
128	16912004	AMIT VISHWAKARMA	ES	DROUGHT CHARACTERISATION AND ITS EFFECT ON GROUNDWATER IN SAURASHTRA, INDIA	Prof.Ajanta Goswami	Dr. Ashim Sattar, IIT Bhubaneshwar/Dr. Praveen K. Thakur, IIRS ISRO	02-12-2024	12/6/2024
129	18912001	ANAMIKA SAHU	ES	PETROPHYSICAL AND MECHANICAL PROPERTIES OF ROCKS OF HIMACHAL AND GARHWAL HIMALAYAS	Prof.Sandeep Singh, Narendra Kumar Samadhiya	Prof. Jacopo Boaga, University of Padua, Italy /Prof. Sebastiano Foti, Politecnico Di Torino/Prof. Javed N Malik, IIT Kanpur	09-10-2024	10/15/2024

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130	17912001	ANUJ KUMAR SHRIVASTAVA	ES	ACCRETIONARY OROGENS IN THE NORTHERN CRUSTAL SEGMENTS OF THE PROTEROZOIC CENTRAL INDIAN TECTONIC ZONE: CONSTRAINTS FROM A PETROCHRONOLOGICAL STUDY	Prof.Lopamudra Saha	Jayanta Kumar Pati, University of Allahabad/Mruganka Kumar Panigrahi, IIT Kharagpur/M Ram Mohan, CSIR National Geophysical Research Institute	30-09-2024	10/3/2024
131	18912009	HARDEEP	ES	SATELLITE BASED DETECTION OF PRE-EARTHQUAKE THERMAL ANOMALY, CO-SEISMIC DEFORMATION, AND SOURCE PARAMETER MODELLING OF PAST EARTHQUAKES	Prof. Arun Kumar Saraf, Josodhir Das,	DR. JAYANTA K. PATI, UNIVERSITY OF ALLAHABAD/DR. A. P. KRISHNA, BIRLA INSTITUTE OF TECHNOLOGY, MESRA,	20-01-2025	2/10/2025
132	18912011	JYOTI SINGH	ES	SHALLOW SHEAR WAVE INVESTIGATION AND ITS RELATION WITH LITHO-LOGS AND DELINEATION OF GEOLOGICAL STRUCTURE	Prof.Anand Joshi	Prof. Sanjit Kumar pal, Indian Institute of Technology (ISM) Dhanbad/Dr. Gyorgy Heteny, Univesity of Lausanne	09-10-2024	10/15/2024
133	17912014	KUMARI SWETA	ES	INTEGRATION OF SEISMICITY IN LANDSLIDE SUSCEPTIBILITY ASSESSMENT AND DEVELOPMENT OF EMPIRICAL EQUATION FOR ESTIMATION OF CO-SEISMIC DISPLACEMENT IN PART OF NORTH-WESTERN HIMALAYAS	Prof. Ajanta Goswami, ,	Prof T.N. Singh, IIT Patna/Dr. Vikram Vishal, IIT Bombay/DR. SANTOSH PANDA, University of Alaska Fairbanks, USA	21-12-2024	2/12/2025
134	19912004	MANISHA CHAUDHARY	ES	FORMATION EVALUATION OF BASEMENT ROCKS THROUGH TEXTURAL ANALYSIS AND ASSOCIATED GEOMECHANICAL PROPERTIES	Prof.Ravi Sharma	Gollpally Mohan, Indian Institute of Technology Bombay/Paresh Nath Singha Roy, Indian Institute of Technology Kharagpur	11-09-2024	9/23/2024
135	18912013	MOHIT PANDEY	ES	EFFECT OF MEDIUM CHARACTERISTICS ON SH WAVE PROPAGATION	Prof. Anand Joshi	Paresh Nath Singha Roy, Indian Institute of Technology Kharagpur/Ambrish Kumar Mahajan, Central University of Himachal Pradesh, Dharamshala	09-09-2024	3/10/2025
136	19912017	NORA CAROLIN	ES	MIOCENE VERTEBRATES FROM THE KERALA AND KUTCH BASINS, PENINSULAR INDIA: EVOLUTIONARY AND PALEOBIOGEOGRAPHIC ASPECTS	Prof. SUNIL BAJPAI, ABHAYANAND SINGH MAURYA, AMZAD HUSSAIN LASKAR	Prof G.V.R. Prasad, University of Delhi/Prof. Ajoy Kumar Bhaumik , Indian Institute of Technology (Indian School of Mines)	06-12-2024	2/3/2025

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137	18912031	PRIYANKA MISHRA	ES	GENESIS OF URANIUM MINERALIZATION IN JAHAZ, KHETRI BELT, ARAVALLI CRATON, INDIA	Prof. Rajagopal Krishnamurthy	Dr. Sahendra Singh, Indian Institute of Technology (Indian School of Mines), Dhanbad/Dr. Mruganka K Panigrahi, Indian Institute of Technology, Kharagpur	11-02-2025	3/20/2025
138	18912032	PRIYANKA NEGI	ES	LANDSCAPE DYNAMICS ASSESSMENT USING GEOMORPHIC INDICES AND RUNOFF BASED EROSION ANALYSIS USING SPATIAL TECHNIQUES IN THE UTTARAKHAND REGION	Prof.Ajanta Goswami, , Dr. Girish Chandra Joshi	Dr. Swapnamita Vaideswaran, Wadia Institute of Himalayan Geology, Dehradun/Dr. Bakimchandra Oinam, NIT Manipur	30-10-2024	11/11/2024
139	19912020	RAJKUMAR KASHYAP	ES	DELINEATION OF CONCEALED TRANSVERSE BASEMENT FAULTS IN THE GANGA PLAIN AND THE ADJACENT HIMALAYAS THROUGH GEOMORPHOLOGICAL APPROACHES	Prof.Pitambar Pati, , Dr. Manoj Kumar Jaiswal	Dr. Shreerup Goswami, Department of Geology, Utkal University, Bhubaneswar, Odisha/Dr. Laurent Godin, Department of Geological Sciences & Geological Engineering, Miller Hall, Queen's University, Kingston, Ontario	27-11-2024	1/24/2025
140	18912018	SAURABH SHARMA	ES	MODELLING OF FINITE SOURCE AND MEDIUM CHARACTERIZATION	Prof.Anand Joshi	Sumer Chopra, Institute of Seismological Research Gandhinagar/Ambrish Kumar Mahajan, Central University of Himachal Pradesh, Dharamshala	17-08-2024	8/28/2024
141	19901005	ANKITA BHATT	HRE	MICROALGAE-MEDIATED REMOVAL OF WATERBORNE PATHOGENS FOR WASTEWATER DISINFECTION	Prof.Sanjeev Kumar Prajapati, Pratham Arora	Chandra Sekhar Gahan, Central University Guru Ghasidas Vishwavidyalaya/Kaustubha Mohanty , Indian Institute of Technology Guwahati	29-08-2024	8/30/2024
142	20901003	ANKUSH JAGESHWAR HED	HRE	PERFORMANCE INVESTIGATIONS OF CORRUGATED DOUBLE PASS SOLAR AIR HEATER INTEGRATED WITH PCM BASED THERMAL ENERGY STORAGE	Prof.Sunil Kumar Singal	Dr. K. Srinivasa Reddy , Department of Mechanical Engineering, Indian Institute of Technology Madras, Chennai 600036/Dr. Dibakar Rakshit, Indian Institute of Technology Delhi	31-07-2024	8/6/2024
143	21901005	KOMMIREDDY BHEEMALI	HRE	PERFORMANCE INVESTIGATIONS OF A HELICAL-BLADED HYDROKINETIC TURBINE	Prof.Amit Chandrakant Bhosale	Ujjwal K. Saha, IIT guwahati/S.V. Prabhu, IIT Bombay/Subbarao P.M.V, IIT Delhi	06-02-2025	2/11/2025

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S. No.	Enrollmen tNo	Name	Deptt	Topic	Supervisor	Examiner	Date of Defence	Date of PDC (Approved by DoAA)
144	19901010	MAMTA BHANDARI	HRE	ALGAE-INTEGRATED PROCESS FOR RESOURCE RECOVERY, METABOLITE PRODUCTION, AND RECYCLING OF REVERSE OSMOSIS REJECT	Prof.Sanjeev Kumar Prajapati	PROF TRISHIKHI RAYCHOUDHURY, INDIAN INSTITUTE OF TECHNOLOGY JODHPUR KARWAR/PROF REMYA NEELANCHERRY, INDIAN INSTITUTE OF TECHNOLOGY BHUBANESHWAR ARGUL	14-08-2024	8/20/2024
145	19916024	AMAL TOM	HS	ENHANCING MOTIVATION IN STUDENTS WITH SPECIFIC LEARNING DISORDERS THROUGH ICT-INTEGRATED EXPERIENTIAL ENGLISH INSTRUCTION	Prof.Nagendra Kumar	ABHINAV K. MISHRA, BANARAS HINDU UNIVERSITY, BANARAS/PRABHASHANKAR DWIVEDI , Banaras Hindu University/AJIT KUMAR MISHRA , INDIAN INSTITUTE OF TECHNOLOGY, BHU	07-02-2025	2/10/2025
146	18923009	DEEPA	HS	REVIVING THE LOST: MEMORY AND NOSTALGIA IN NGUGI WA THIONG'O'S SELECT LITERARY WRITINGS	Prof.Sanjit Kumar Mishra	Dr Rajni Singh, IIT (ISM) Dhanbad/Dr. T Ravichandran, IIT Kanpur	25-02-2025	3/7/2025
147	20916007	GHULAM RABANI	HS	TOWARDS POSTCOLONIAL ECOCRITICISM: REVIVING SELECT INDIGENOUS NARRATIVES OF UZMA ASLAM KHAN	Prof.Binod Mishra	Md.Mujibur Rahman, IIT-ISM DHANBAD/Aysha Viswamohan, IIT Madras	27-12-2024	**1/1/2025**
148	19916004	JASEEL P	HS	PRECARITY AND LITERARY PERFORMANCE: A POSTCRITICAL PERSPECTIVE	Prof. Rashmi Gaur	Dr. Rajni Singh, IIT (ISM) Dhanbad/Dr. Rajesh Kumar, IIT Madras	16-07-2024	7/27/2024
149	17916018	JAYA SHUKLA	HS	ROLE OF EPISTEMIC EMOTIONS, METACOGNITIVE FEELINGS, MOTIVATION AND TASK CHARACTERISTICS IN KNOWLEDGE EXPLORATION AMONG STUDENTS	Prof. Ram Manohar Singh	Shikha Dixit, IIT Kanpur/Kailash Bihari Lal Srivastava, Indian Institute of Technology Kharagpur	09-09-2024	8/12/2024
150	19916005	KHUSHBOO VERMA	HS	FACING THE "COMFORT WOMEN": REPRESENTATIONS AND RECKONINGS OF JAPANESE MILITARY SEXUAL SLAVERY IN SELECT ASIAN AMERICAN NARRATIVES	Prof. Nagendra Kumar	Priyanka Tripathi, IIT Patna/Rajni Singh, IIT (ISM) Dhanbad	30-08-2024	9/6/2024
151	20916008	KUMARI RUCHI	HS	MAPPING DESIRE IN NON-NORMATIVE SEXUALITIES IN NON-URBAN INDIA: A STUDY OF SELECT INDIAN TEXTS	Prof.Smita Jha	Dr. Smriti Singh, Indian Institute of Technology (IIT) Patna/Dr. Saumya Sharma, English and Foreign Languages University (EFLU) Lucknow /Dr. Sweta Sinha, Indian Institute of Technology (IIT) Patna	20-12-2024	**12/27/2024**

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S. No.	Enrollment No	Name	Deptt	Topic	Supervisor	Examiner	Date of Defence	Date of PDC (Approved by DoAA)
152	18916012	NEHA MISHRA	HS	SOCIAL SUSTAINABILITY IN TOURISM: A STUDY OF MUSSOORIE	Prof. Anindya Jayanta Misra	Mamata Parhi, University of Roehampton, UK /Munmun Jha, Indian Institute of Technology, Kanpur/Archana Kaushik , Delhi University	25-11-2024	12/11/2024
153	18916029	PALLAVI GUPTA	HS	TIME ALLOCATION (PAID WORK AND UNPAID CARE WORK) AND LABOUR MARKET PARTICIPATION AMONG WOMEN IN INDIA	Prof.Falguni Pattanaik	Trupti Mishra, Indian Institute of Technology Bombay/Badri Narayan Rath, Indian Institute of Technology Hyderabad	18-12-2024	12/23/2024
154	19916008	PRIYADARSHINI MISHRA	HS	LONGING FOR BELONGING: A STUDY OF SELECT FICTIONS ON TRANSNATIONAL COMMERCIAL GESTATIONAL SURROGACY	Prof.Nagendra Kumar	Yogesh Sinha, Ohio University, Athens, USA/PRABHASHANKAR DWIVEDI , Banaras Hindu University, India/AJIT KUMAR MISHRA , IIT (BHU) VARANASI	27-01-2025	2/10/2025
155	18916031	RAHUL V	HS	POROUS BODIES AND CHEMICAL ENTANGLEMENTS: READING THE DISCOURSE OF ENVIRONMENTAL TOXICITY IN SELECT POST-MILLENNIAL INDIAN NOVELS	Prof.Nagendra Kumar	SOURIT BHATTACHARYA, The University of Edinburgh/YOGESH SINHA, OHIO STATE UNIVERSITY/AJIT KUMAR MISHRA , IIT (BHU)	25-02-2025	3/4/2025
156	19916034	RAJBIR SAMAL	HS	ENGENDERING FOOD: FEMINIST DISCOURSES ON COOKING, CONSUMPTION, AND KITCHEN SPACE IN SELECT INDIAN FICTION.	Prof.Binod Mishra	Prof. Nirban Manna, IIT-ISM Dhanbad/Prof. Sangeeta Sharma, BITS Pilani	28-02-2025	3/10/2025
157	19916035	RANGNATH THAKUR	HS	POETICS OF RESISTANCE: A COMPARATIVE STUDY OF MAHATMA GANDHI AND FRANTZ FANON'S SELECT WORKS	Prof.Binod Mishra	Sangeeta Sharma, BITS Pilani/Devendra Sharma, California State University, Fresno, USA/Shefali Rajamannar, University of Southern California,	20-01-2025	1/24/2025
158	17916009	ROHIT KHAJURIA	HS	CONFLICT AND FORCED MIGRATION: A STUDY OF ROHINGYAS SETTLED IN JAMMU	Prof.Anindya Jayanta Misra	Binay Kumar Pattnaik , IIT Kanpur/G.Nagaraju, University of Hyderabad	20-01-2025	1/24/2025
159	16916012	SAHIL BHATIA	HS	GROUNDWATER PRODUCTIVITY & EFFICIENCY IN PUNJAB AGRICULTURE: IRRIGATION ADVANCEMENTS, AGRONOMIC INTERVENTIONS, AND INCENTIVES	Prof. Sukh Pal Singh	Dr. Akram Ahmad Khan, AMU Aligarh/Dr. Pritee Sharma, IIT Indore	11-09-2024	9/13/2024
160	18916032	SAKSHI SEMWAL	HS	ENCHANTING REALMS: CONTEXTUALIZING CULTURAL AND REGIONAL UNDERPINNINGS OF MAGICAL REALISM IN SELECT INDIAN FICTION	Prof. Smita Jha	Dr. Kanika Batra, Texas Tech University/Prof Anita Singh, Banaras Hindu University	28-08-2024	8/30/2024

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S. No.	Enrollmen tNo	Name	Deptt	Topic	Supervisor	Examiner	Date of Defence	Date of PDC (Approved by DoAA)
161	20916023	SHARMILI MITRA	HS	EFFECT OF REINFORCEMENT AND IMAGERY-BASED INTERVENTIONS ON PREVENTING THE RETURN OF CONDITIONED AND GENERALIZED FEAR IN HUMANS	Prof. Manish Kumar Asthana	Dr. Martin Herrmann (University of Würzburg), Dr. Azizuddin Khan (I.I.T. Bombay)	12/12/2024	**12/13/2024**
162	17916012	SHIDGANESH ANIRUDH SHASTRI	HS	PERCEIVED MILITARY TO CIVILIAN TRANSITION AMONG INDIAN EX-SERVICEMEN AND ITS EFFECT ON LIFE SATISFACTION: MEDIATING ROLE OF COPING STRATEGIES	Prof.Ram Manohar Singh	Rabindra Kumar Pradhan, Indian Institute of Technology Kharagpur/Govind Swaroop Pathak, Indian Institute of Technology (ISM) Dhanbad	14-11-2024	11/20/2024
163	19916036	SHOHIB BASHIR	HS	DEMOCRATIZING DOCTOR-PATIENT DISCOURSE: A HUMANISTIC STUDY OF SAMUEL SHEM'S SELECT NOVELS	Prof.Binod Mishra	Md. Mojibur Rahman, IIT(ISM) Dhanbad/Sangeeta Sharma, BITS Pilani, Pilani Campus/Jose Carlos Redondo Olmedilla , UNIVERSITY OF ALMERIA	06-01-2025	1/8/2025
164	19916011	SNIGDHA SUBHRASMITA	HS	(IN)VISIBLE CARE: HUMANS, MATERIALS, AND SPIRITUALITY IN SELECT CANCER MEMOIRS	Prof.Rashmi Gaur	Dr. Rajni Singh, IIT (ISM) Dhanbad/Dr. Prabha Shankar Dwivedi, IIT Tirupati/Dr. Sarvajit Mukerji, University of Allahabad	09-10-2024	10/15/2024
165	16916013	SUDIPTA GHOSH	HS	MIMICRY, MIGRATION, AND ECONOMIC EXPLOITATION: INTERROGATING POSTCOLONIALISM IN SELECT NOVELS OF SAMARES MAJUMDAR	Prof.Rashmi Gaur	Dr. Rajesh Kumar, IIT Madras/Dr. Rajni Singh, IIT (ISM) Dhanbad	19-09-2024	10/18/2024
166	19916017	SWAPNIT PRADHAN	HS	THE ECOLOGICAL OTHER: ENVIRONMENTAL EXCLUSIONS IN SELECT INDIAN ENGLISH NOVELS	Prof.Nagendra Kumar	SHEFALI RAJAMANNAR, UNIVERSITY OF SOUTHERN CALIFORNIA/RIDHIMA TEWARI, INDIAN INSTITUTE OF TECHNOLOGY DHARWAD	04-10-2024	10/7/2024
167	18916021	VIJAY KUMAR	HS	REVISITING CASTE AND NATURE: AN ECOCRITICAL STUDY OF SELECT DALIT NARRATIVES	Prof. Binod Mishra	Rajni Singh, IIT-ISM Dhanbad/Maya Shanker Pandey, BHU	13-09-2024	9/19/2024
168	18917010	BHARGABNANDA DASS	HY	DECIPHERING HYDROLOGICAL RESPONSES OF SPRINGFLOW SYSTEMS IN THE LESSER INDIAN HIMALAYAS	Prof.Sumit Sen	Prof. Basudev Biswal, IIT Bombay/Prof. Arup Kumar Sarma, IIT Guwahati	7/19/2024	8/6/2024

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169	19917004	SUBHANKAR DAS	HY	A STUDY ON CLIMATE AND LAND USE CHANGE IMPACT ON SOIL EROSION IN INDIA	Prof.Manoj Kumar Jain	PROF. NARENDRA SINGH RAGHUWANSHI, indian institute of technology, kharagpur/PROF. RAJENDRA SINGH, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR	18-07-2024	8/7/2024
170	18905001	ALISHA	IC	ELECTRONIC AND PHOTORESPONSE PROPERTIES OF DEVICES BASED ON WIDE BANDGAP SEMICONDUCTORS.	Prof.Ramesh Chandra, Vivek Kumar Malik	Dr. Somnath Chanda Roy, Indian Institute of Technology, Madras/ Dr. Yogendra Kumar Mishra, University of Southern Denmark	28-11-2024	12/11/2024
171	18919024	ANKIT KUMAR	MA	WELL-POSEDNESS AND ASYMPTOTIC ANALYSIS OF A CLASS OF STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS	Prof.Manil T. Mohan	Prof. Suresh Kumar , IIT Bombay/Prof. Utpal Manna, IISER-TVM	27-08-2024	8/28/2024
172	18919025	BHOLANATH KUMBHAKAR	MA	CONTROLLABILITY OF SOME SEMILINEAR DIFFERENTIAL INCLUSIONS AND HEMIVARIATIONAL INEQUALITIES	Prof.Dwijendra Narain Pandey	Prof. Dhirendra Bahuguna, Indian Institute of Technology Kanpur/ Prof. Swaroop Nandan Bora, Indian Institute of Technology Guwahati	25-02-2025	3/12/2025
173	18919005	JASBIR SINGH	MA	CONVERGENCE ANALYSIS OF WEAK GALERKIN FINITE ELEMENT METHOD FOR UNSTEADY SINGULARLY PERTURBED PROBLEMS	Prof.Ram Jiwari	Jitendra Kumar, IIT Ropar/Kamana Porwal, Indian Institute of Technology Delhi/Wenyuan Liao, University of Calgary	13-12-2024	1/1/2025
174	19919006	KANCHAN RAJWAR	MA	IDENTIFICATION OF STRUCTURAL BIAS WITH A NEW GENERALIZED SIGNATURE TEST AND ITS MITIGATION USING A NEW REGENERATIVE POPULATION STRATEGY IN METAHEURISTIC ALGORITHMS	Prof.Kusum Deep	Prof. A. K. Ojha, Indian Institute of Technology Bhubaneshwar /Prof. Nishchal K. Verma, Indian Institute of Technology, Kanpur-208016	11-09-2024	11/20/2024
175	18919006	KM NEERAJ SINGH	MA	NEW VARIANTS OF STOCKWELL TRANSFORM WITH APPLICATION IN IMAGE PROCESSING	Prof.Sanjeev Kumar	Prof. Gaurav Bhatnagar, IIT Jodhpur/Prof. Sunil Kumar, IIT BHU (Varanasi)	30-10-2024	11/5/2024
176	18919027	KM.DEEPA	MA	QUANTUM SECRET SHARING ALGORITHMS IN NOISY ENVIRONMENT WITH CHEAT-IDENTIFICATION	Prof.Sanjeev Kumar	Gaurav Bhatnagar, IIT Jodhpur/Sourav Mukhopadhyay, IIT Kharagpur	06-09-2024	9/9/2024
177	20919004	NIDHI SHARMA	MA	INVENTORY MODELS FOR THE SUPPLY CHAIN USING SOFT COMPUTING TECHNIQUES	Prof.Madhu Jain, , Prof. Dinesh K Sharma	N. Hemachandra, IIT BOMBAY/Rabin K. Jana, Indian Institute of Management Raipur	08-01-2025	1/14/2025

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178	19919011	PARDEEP KUMAR	MA	INVERSE AND CONTROL PROBLEMS FOR SOME FLUID DYNAMIC EQUATIONS	Prof.Manil T. Mohan	Prof. Mikko Salo , University of Jyvaskyla, Finland/Prof. Sakthivel Kumarasamy, Indian Institute of Space Science and Technology (IIST) Trivandrum/Prof. A.K. Nandakumaran, Indian Institute of Science (IISc) Bangalore	13-12-2024	12/19/2024
179	18919033	PRAVEENDRA SINGH	MA	NATURE-INSPIRED OPTIMIZATION FOR INVENTORY CONTROL OF NON-INSTANTANEOUSLY DETERIORATING ITEMS	Prof.Madhu Jain	Dinesh K. Sharma, University of Maryland Eastern Shore/Srinivas R. Chakravarthy, Kettering University/C.K. Jaggi, Delhi University	06-11-2024	11/7/2024
180	17919010	SARVESH KUMAR	MA	MIXTURE DISTRIBUTIONS AND PARAMETER ESTIMATION FOR THE RELIABILITY MODELS	Prof.Madhu Jain, Aditi Gangopadhyay	U.C. Gupta, Indian Institute of Technology Kharagpur/Anurag Jayswal, IIT (ISM) Dhanbad/C.K. Jaggi, Delhi University	30-09-2024	10/10/2024
181	19919013	SATYABRATA MAJEE	MA	WOLD-TYPE DECOMPOSITION AND THE STRUCTURE FOR TUPLES OF CONTRACTIONS AND ISOMETRIES	Prof.Amit Maji	Prof. Jaydeb Sarkar, Indian Statistical Institute, Bangalore/Prof. Sameer Chavan, Indian Institute of Technology, Kanpur	07-02-2025	3/10/2025
182	20919014	SUMIT MAHAJAN	MA	THEORETICAL AND NUMERICAL STUDIES OF GENERALIZED BURGERS-HUXLEY EQUATION WITH WEAKLY SINGULAR KERNELS	Prof.Arbaz Khan	Prof. B. V. Rathish Kumar, IIT Kanpur/Prof. Ricardo Ruiz Baier, Monash University, Australia	14-11-2024	12/11/2024
183	20920025	ABHINAV PANDEY	ME	ALGORITHMIC DESIGN OF COMPLEX SYSTEMS	Prof.Vidit Gaur	Dr. Timo Hartmann, Technische Universität Berlin/Dr. G. Saravana Kumar, Indian Institute of Technology Madras/Dr. Krishnendu Haldar, Indian Institute of Technology Bombay	02-12-2024	12/6/2024
184	18920007	ANIL KUMAR	ME	PERFORMANCE ASSESSMENT OF PASSIVE ENHANCEMENT METHODS DURING IN-TUBE CONDENSATION AND HEAT PIPE APPLICATIONS	Prof.Ravi Kumar, Arup Kumar Das	Dr. Amit Agarwal, Indian Institute of Technology - Bombay/Dr. Prabal Talukdar, Indian Institute of Technology Delhi	23-09-2024	9/30/2024
185	16920009	ANURAG SINGH	ME	MICROWAVE DRILLING OF STAINLESS STEEL SHEET AT 2.45 GHZ	Prof. Apurbba Kumar Sharma	Dr. Sivanandam Aravindan, Indian Institute of Technology Delhi/Dr. Jaleel Akhtar, Indian Institute of Technology Kanpur/Dr. Tanmay Basak, Indian Institute of Technology Madras	31-01-2025	2/3/2025

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186	19920030	BINAZ V	ME	EXPERIMENTAL INVESTIGATION ON MACHINABILITY OF BASALT FIBER BASED SUSTAINABLE COMPOSITES	Prof. Inderdeep Singh	Dr. Sanjay Mavinkere Rangappa, King Mongkut's University of Technology North Bangkok/Dr. SOMASHEKHAR S. HIREMATH, Indian Institute of Technology Madras	20-01-2025	1/29/2025
187	20920003	DHEERAJ KUMAR SAINI	ME	FABRICATION OF PARTICLE REINFORCED METAL MATRIX COMPOSITE SHEET USING CONTINUOUS CASTING	Prof.Pradeep Kumar Jha	Dr. Animesh Mandal, IIT Bhubaneshwar/Dr. P. S. Robi, IIT Guwahati	23-10-2024	10/29/2024
188	21920008	DILBAHAR	ME	INVESTIGATION OF MAGNETIC STIRRER BASED M-ECDM ON GLASS & ITS COMPOSITES USING METAHEURISTIC ALGORITHMS AND MACHINE LEARNING	Prof.Pradeep Kumar, Akshay Dvivedi	Dr. P. M. Pandey, IIT Delhi/Dr. Pavan Kumar Kankar, IIT Indore/Dr. Pradeep Dixit, IIT Bombay	03-09-2024	9/6/2024
189	19920048	DILIP GEHLOT	ME	MODELLING STUDIES OF MHD CONVECTION IN ECDM FOR MICROCHANNEL FABRICATION	Prof.Pradeep Kumar Jha, Pramod Kumar Jain	Prof. Rajnish Tyagi, Indian Institute of Technology BHU/Prof. U.S. Dixit , Indian Institute of Technology Guwahati	20-09-2024	9/23/2024
190	18920027	IBRAHIM MUSTEFA MOHAMMED	ME	ENHANCEMENT OF CONDENSATION HEAT TRANSFER OVER SINGLE HORIZONTAL NON-CIRCULAR TUBES	Prof. Ravi Kumar	Prof. Akio Miyara (Deptt. Of Mechanical Engg. Saga University, Japan), Prof. Uwe Hampel (Technische Universitat Dresden, Bautzner)	3/28/2024	2/12/2025
191	20920005	MONIKA SINGH	ME	INVESTIGATIONS ON ULTRASONIC ASSISTED ELECTROCHEMICAL DISCHARGE MACHINING UNDER MAGNETIC FIELD	Prof.Pradeep Kumar, Akshay Dvivedi	Dr. P. M. Pandey , iit delhi/Name- Dr. Pavan Kumar Kankar , Indian Institute of Technology, Indore, /Name- Dr. Amit Rai Dixit , Indian Institute of Technology (ISM) Dhanbad, Jharkhand, India-826004	24-10-2024	11/15/2024
192	19920036	NARENDRA KUMAR	ME	A STUDY ON BEHAVIOUR OF HYDROSTATIC/HYBRID THRUST PAD BEARING CONFIGURATIONS	Prof.Satish Chandra Sharma	Prof. R. K. Pandey, Department Indian Institute of Technology, Delhi, New Delhi, Delhi - 110016, India./Prof. Dae-Eun Kim, Director of the center for nano-wear (CNW), Yonsei University, Seoul, South Korea./Prof. Rakesh K. Gautam , IIT-BHU, Banaras Hindu University Campus, Uttar Pradesh - 221005.	19-02-2025	2/20/2025

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193	19920012	NITIN AGRAWAL	ME	A STUDY ON PERFORMANCE BEHAVIOUR OF SPHERICAL HYDROSTATIC/HYBRID THRUST BEARINGS	Prof.Satish Chandra Sharma	Prof. Rakesh K. Gautam, IIT-BHU/Dr. Gananath D. Thakre, Indian Institute of Petroleum, Dehradun	18-09-2024	9/23/2024
194	18920028	PARVEJ	ME	INVESTIGATIONS ON SOLIDIFICATION DURING IN-SITU MICROWAVE CASTING OF METALLIC MATERIALS	Prof.Apurbba Kumar Sharma,	Dr. Sivanandam Aravindan, Indian Institute of Technology Delhi, INDIA/Dr. Jaleel Akhtar, Indian Institute of Technology Kanpur	26-11-2024	11/26/2024
195	19920022	PUNIT KUMAR PANDEY	ME	INVESTIGATION OF BALLISTIC IMPACT OF FRAGMENT SIMULATING PROJECTILES ON TISSUE SIMULANTS	Prof.Shailesh Govind Ganpule	Ratna Kumar Annabattula, Indian Institute of Technology Madras/Sitikantha Roy, Indian Institute of Technology Delhi	25-11-2024	12/6/2024
196	18920045	RAJNEESH RAGHAV TAMTA	ME	PERFORMANCE STUDIES OF COATED TOOL INSERTS DURING HARD MACHINING	Prof.Rahul Sampatrao Mulik	Prof. Manas Mohan Mahapatra, Indian Institute of Technology Bhubaneshwar/Prof. Pankaj Biswas, IIT Guwahati	23-08-2024	8/28/2024
197	18920021	TARA CHAND KUMAR MAURYA	ME	MULTIPHASE FLOW DYNAMICS OF DROPLET FORMATION AND MIXING ENHANCEMENT IN MICROFLUIDIC CHANNEL	Prof.Sushanta Dutta	Amaresh Dalal, Indian Institute of Technology Guwahati/Amit Agrawal , Indian Institute of Technology Bombay	10-01-2025	3/3/2025
198	17920018	TEMBHARE GIRISH UDHAV	ME	ANALYSIS OF GUIDED WAVE PROPAGATION THROUGH BENT WAVEGUIDES FOR FACILITATING NDE	Prof.Dhanashri Manish Joglekar, Manish Madhav Joglekar	Prof. Mihir Kumar Pandit, IIT Bhubaneswar/Prof. R. P. Shimpi, Indian Institute of Technology Bombay	19-02-2025	2/21/2025
199	19920050	VIKAS TIWARI	ME	MODEL-BASED FINITE ELEMENT ANALYSIS OF THE RESONANT SYSTEM IN RAILWAY SECONDARY SUSPENSION APPLICATIONS	Prof.Satish Chandra Sharma, Suraj Prakash Harsha	Prof. P. M. Pandey, Indian Institute of Technology Delhi./Prof. Mayank Tiwari, Indian Institute of Technology Patna, Bihar	05-12-2024	12/13/2024
200	18920024	VIPIN PACHOURI	ME	DESIGN AND DEVELOPMENT OF TENDON ACTUATED BIONIC MANIPULATOR	Prof.Pushparaj Mani Pathak	Dr. Marco ceccarelli, University of Rome /Dr. S J Junco, Universidad Nacional de Rosario	23-12-2024	1/8/2025
201	22918002	ASHISH	MS	IMPACT OF EMOTIONAL STABILITY AND JOB CRAFTING ON INNOVATIVE WORK BEHAVIOUR	Prof.Santosh Neelkanth Rangnekar	Piyali Ghosh, Indian Institute of Management Ranchi/Saumya Singh, Indian Institute of Technology (Indian School of Mines) Dhanbad	24-02-2025	3/5/2025

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202	20918005	BABY CHANDRA	MS	DEVELOPING AND VALIDATING A FRAMEWORK FOR INTEGRATING ARTIFICIAL INTELLIGENCE IN VALUE CO-CREATION	Prof.Zillur Rahman	Varisha Rehman, IIT Madras/Arun Kumar Kaushik, Indian Institute of Management, Amritsar	29-08-2024	9/2/2024
203	18918012	DURREY SHAHWAR	MS	IMPLICATIONS OF EXPERIENCING WORKPLACE INCIVILITY	Prof.Rajib Lochan Dhar	Prof. Tanuja Agarwala, FMS Delhi, DU/Prof. Tanuja Sharma, MDI Gurgaon	13-09-2024	9/23/2024
204	19918013	HIMANSHU GUPTA	MS	GENERATIONAL IDIOSYNCRASIES AND THEIR PERCEPTION AND REACTIONS TO JOB INSECURITY	Prof. Rajib Lochan Dhar	Prof. Manoj Patwardhan, Atal Bihari Vajpayee Indian Institute of Information technology and Management, Gwalior/Dr Charu Hurria, Victoria University Australia	07-01-2025	1/14/2025
205	19918004	KIRAN MARLAPUDI	MS	TALENT DEVELOPMENT FOR INDUSTRY 4.0: CASES OF MANUFACTURING INDUSTRIES IN INDIA	Prof.Usha Lenka	Prof. Kanika T. Bhal, INDIAN INSTITUTE OF TECHNOLOGY DELHI/Prof. Neharika Vohra, Indian Institute of Management, Ahmedabad/Nataša Rupcic , University of Rijeka	04-03-2025	3/5/2025
206	20918024	MANISHA YADAV	MS	PROSPECT THEORY AND MAX EFFECT: AN EMPIRICAL ANALYSIS	Prof.Gaurav Dixit, , Prof. Abhinava Tripathi	Sowmya Subramaniam, IIM Lucknow/Chandan Sharma, IIM Lucknow	21-03-2025	3/24/2025
207	19918008	NEHA KUMARI	MS	DISABILITY INCLUSION IN THE WORKPLACE	Prof.Usha Lenka	Prof. Kanika T. Bhal , Indian Institute of Technology, Delhi-110016/Prof. Susmita Mukhopadhyay , IIT Kharagpur	03-02-2025	2/6/2025
208	19918015	NIDHI KUMARI	MS	ORGANIZATIONAL RESPONSE TO COVID-19 PANDEMIC AND IT'S IMPACT ON EMPLOYEE'S WORK OUTCOMES	Prof.Rajib Lochan Dhar	Dr. M.Venkatesan, Indian Institute of Foreign Trade/Prof. Saumya Singh, IIT (ISM) Dhanbad	26-12-2024	12/31/2024
209	16918011	SOBHITH MATHEW JOSE	MS	ROLE OF GREEN BANKING IN SUSTAINABLE FINANCIAL DEVELOPMENT: A STUDY IN INDIAN CONTEXT	Prof. Harshit Sosan lakra	Prof. Utpal Sharma (institute of Arch. & Planning, Ahmedabad), Dr. Ajay Khare (School of Planning & Architecture, Bhopal)	11/18/2024	12/11/2024
210	20918016	SUCHI AERON	MS	DEVELOPING AND VALIDATING A CONTEXTUAL FRAMEWORK OF DISCRETE EMOTION EFFECT ON CONSUMER EVALUATION AND BEHAVIOUR	Prof.Zillur Rahman	Arun Kumar Kaushik, Indian Institute Of Management , Amritsar/Varisha Rehman, IIT, Madras	29-08-2024	8/30/2024

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211	20918027	SURBHI VERMA	MS	INFLUENCE OF SCREENING CRITERIA ON INCONSISTENT SRI PERFORMANCE AND THE IMPACT OF SOCIAL VALUES AND CORE TRAITS ON INVESTMENT CHOICES	Prof.Ashu Khanna	Prof. Shveta Singh, Indian Institute of Technology Delhi/Prof. Dukhabandhu Sahoo, Institute of Technology Bhubaneswar	24-01-2025	2/25/2025
212	18918024	UMABHARATI RAWAT	MS	SELECT ISSUES ON CYBER PHYSICAL SYSTEMS FOR FREIGHT TRANSPORTATION IN INDIA	Prof.Ramesh A	Arshinder Kaur, IIT Madras/RAM KUMAR P.N, IIM Kozhikode	30-09-2024	10/8/2024
213	18921003	BHARAT VERMA	MT	SYNTHESIS AND ELECTROCHEMICAL CHARACTERIZATION OF HARD CARBON(HC) ANODE AND HC/P2-NA2/3NI1/3MN2/3O2 FULL CELL CHARACTERISTICS FOR NA-ION BATTERY	Prof.Anjan Sil	Dr. Debaprasad Mandal, Indian Institute of Technology Ropar/Dr. Aninda J. Bhattacharyya, Indian Institute of Science Bangalore	17-10-2024	11/5/2024
214	17921003	CHODISETTI SURYA PRAKA	MT	DEVELOPMENT OF ELECTRICAL DISCHARGE MACHINABLE AND WEAR-RESISTANT SPARK PLASMA SINTERED SIC BASED COMPOSITES	Prof.B.Venkata Manoj Kumar	Dr. Deepak Kumar, Indian Institute of Technology Delhi/Dr. Subhash Thota, Indian Institute of Technology Guwahati	13-09-2024	9/13/2024
215	18921007	NIRUPAMA MOHAN	MT	WEAR AND CORROSION STUDIES ON BORONIZED MARTENSITIC STAINLESS STEELS	Prof.Gajanan Prabhakar Chaudhari	Chandan Srivastava, Indian Institute of Science Bangalore/Sivaiah Bathula, Indian Institute of Technology Bhubaneshwar	10-02-2025	2/13/2025
216	18921011	SYED AMUTH U RASOOL Q	MT	SUBSTITUTIONAL-INTERSTITIAL HIGH ENTROPY ALLOYS	Prof.Sai Ramudu Meka	Prof. Santosh Hosmani, IIT Indoor/Dr. Thomas Waldenmaier , Robert Bosch GmbH	23-07-2024	7/31/2024
217	18906004	MOHAMMAD TASLEEM	NT	PORPHYRINS-CARBON NANOTUBES CONJUGATES: SYNTHESIS, CHARACTERIZATION AND THEIR APPLICATIONS	Prof.Muniappan Sankar	Prof. Rajneesh Misra, IIT Indore/Prof. Ganapathi Anantharaman, IIT Kanpur	13-09-2024	11/25/2024
218	19906005	RITA JOSHI	NT	GRAPHENE-BASED TRANSPARENT AND CONDUCTING COATING FOR SPACECRAFT APPLICATION	Prof.Indranil Lahiri	Prof. Bibhudatta Rout, University of North Texas/Prof. Arvind Agarwal, Florida International University	13-12-2024	1/8/2025
219	19924010	DAKURI RAMAKANTH	PE	DESIGN AND DEVELOPMENT OF LATEX BASED UV ACTIVATED OXYGEN SCAVENGING SYSTEMS FOR SUSTAINABLE ACTIVE PACKAGING	Prof.Pradip Kumar Maji, Kirtiraj Kundlik Gaikwad	Prof. Dr. Bhoje Gowd E, CSIR-National Institute for Interdisciplinary Science and Technology/Prof. Susanta Banerjee, Indian Institute of Technology, Kharagpur	09-10-2024	10/15/2024

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220	16924011	HARSHA VERMA	PE	NATURAL FIBER REINFORCED FUNCTIONALIZED STYRENIC POLYMER COMPOSITES	Prof.Sanjay Palsule	Prof. Samrat Mukhopadhayay, Indian Institute of Technology, IIT Delhi/Prof Matheus Poletto, Universidade de Caxias do Sul	08-11-2024	11/20/2024
221	17924007	NISHA TAMTA	PE	NATURAL FIBER REINFORCED FUNCTIONALIZED STYRENE ACRYLONITRILE COMPOSITES	Prof.Sanjay Palsule	DR Sunny Zafar, IIT Mandi/Professor Samrat Mukhopadhyay, IIT Delhi	24-12-2024	1/8/2025
222	19925029	ALOKA KUMAR SAHOO	PH	THEORETICAL INVESTIGATION OF ELECTRON INTERACTIONS WITH COMPLEX ATOMIC SYSTEMS: SELECTED CASE STUDIES	Prof.Lalita Sharma	Dmitry Fursa, Curtin University, Perth, Australia/G. Aravind, IIT Madras	03-02-2025	2/11/2025
223	18925021	AMARJYOTI CHOUDHURY	PH	ELECTRONIC STRUCTURE, MAGNETISM AND TOPOLOGICAL PROPERTIES OF CERTAIN EU BASED LAYERED MATERIALS	Prof.Tulika Maitra	Dr. Jiji T. J. Pulikkotil, CSIR- National Physical Laboratory/Dr. Satyabrata Raj, IISER Kolkata	27-08-2024	8/30/2024
224	19925001	ANKUR	PH	ITERATIVE DEVELOPMENT AND OPTIMIZATION STRATEGIES FOR COMPACT ULTRASOUND CT SYSTEM	Prof.Mayank Goswami	Dr. Anup Singh, Indian Institute of Technology Delhi/Dr. Prabhat Munshi, Indian Institute of Technology Jammu	17-10-2024	1/27/2025
225	19925002	ANKUR SINGH	PH	FACETS OF WEAKLY BOUND LI-INDUCED REACTIONS ABOVE THE COULOMB BARRIER	Prof.Moumita Maiti	Professor Aradhana Shrivastava, Bhabha Atomic Research Centre, Trombay, Mumbai/Professor Suresh Kumar Patra, Institute of Physics (IOP), Bhubaneswar	05-02-2025	2/10/2025
226	18925002	ANSHIKA VERMA	PH	SYNTHESIS AND ANALYSIS FOR DEVELOPMENT OF E-WASTE-BASED MICROWAVE ABSORBING MATERIALS	Prof.Ghanshyam Das Varma, Dharmendra Singh	Prof. K. P. Singh , IIT BHU/Dr. A. R. HARISH, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR	20-09-2024	10/1/2024
227	18925026	DEEPAK	PH	EXPLORING HYSTERESIS IN CURRENT-VOLTAGE CHARACTERISTICS OF HALIDE PEROVSKITES: MECHANISMS AND IMPLICATIONS	Prof.Kanhaiya Lal Yadav, Monojit Bag	Prof. Sagar Jain, Cranfield University/Prof. Kaushik Ghosh, Institute of Nano Science and Technology (INST)	27-09-2024	10/25/2024
228	19925009	JITENDRA PAL	PH	THEORETICAL STUDIES ON INTEGRABLE AND NON-INTEGRABLE STRINGS IN GAUGE/STRING DUALITY.	Prof.Dibakar Roychowdhury	Tapobrata Sarkar, IIT Kanpur/Oleg Lunin, University at Albany	22-07-2024	7/31/2024
229	19925039	LOT RAM	PH	INVESTIGATION OF THE MARTIAN ATMOSPHERE USING REMOTE SENSING AND IN-SITU MEASUREMENTS	Prof.Sumanta Sarkhel	Raj Kumar Choudhary, Space Physics Laboratory, VSSC/Smitha V. Thampi, Space Physics Laboratory, VSSC	04-02-2025	2/10/2025

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230	18925032	MOHD UWAIS	PH	SURFACE PLASMON/PHONON RESONANCE-BASED OPTICAL SENSORS	Prof.Vipul Rastogi	Prof. Sanjeev Kumar Raghuwanshi, Indian Institute of Technology (ISM) Dhanbad/Prof B.D. Gupta, IIT Delhi	14-08-2024	8/28/2024
231	17925032	PARVESH CHANDER	PH	MAGNETODIELECTRIC MATERIALS AND THEIR APPLICATIONS IN RADIO FREQUENCY INTEGRATED CIRCUIT.	Prof.Vivek Kumar Malik, Nagendra Prasad Pathak	Dr. Kaustav Mukherjee, Indian Institute of Technology Mandi/Dr. Anil Jain, Bhabha Atomic Research Centre Mumbai/Dr. Christof Niedermayer, Paul Scherrer Institute Forschungsstrasse	05-03-2025	3/20/2025
232	15925009	POOJA MALKER	PH	STUDY OF ELECTRON COLLISION WITH FREE AND PLASMA EMBEDDED IONS	Prof.Lalita Sharma	P C Deshmukh, Indian Institute of Technology Tirupati Tirupati – Renigunta Road, Settipalli Post, Tirupati – 517 506,/Bobby Antony, Department of Physics, IIT(ISM) Dhanbad, JH 826004, India	21-10-2024	12/3/2024
233	18925009	PREM SAGAR SHUKLA	PH	SYNTHESIS AND CHARACTERIZATION OF MNCO2O4 BASED NANOCOMPOSITE ELECTRODE MATERIALS FOR ASYMMETRIC SUPERCAPACITOR APPLICATION	Prof.Ghanshyam Das Varma	Prof. Subhash Thota, Indian Institute of Technology Guwahati/Prof. Prabhakar Singh, Indian Institute of Technology B.H.U.	14-10-2024	10/16/2024
234	19925017	PRIYANKA CHAUDHARY	PH	STUDY ON PT-SYMMETRIC LINEAR AND NONLINEAR OPTICAL SYSTEMS	Prof.Akhilesh Kumar Mishra	Amarendra Kumar Sarma , Indian Institute of Technology Guwahati/Ritwick Das, Indian Institute of Technology Delhi Hauz Khas, New Delhi - 110016/Sriganesh Prabhu, Tata Institute of Fundamental Research	14-08-2024	8/23/2024
235	19925018	PUSHPA	PH	STUDY OF HYDRODYNAMICAL BEHAVIOUR AND TRANSPORT PROPERTIES OF HOT QCD MEDIUM	Prof.Binoy Krishna Patra	Partha Pratim Bhaduri, Variable Energy Cyclotron Center,/Vinod Chandra, Department of Physics, Indian Institute of Technology	06-01-2025	1/14/2025
236	19925045	RIYA CHOUDHARY	PH	METHODS FOR FABRICATION OF PLASMONIC NANOSTRUCTURES FOR ENHANCED-SPECTROSCOPIC SENSORS	Prof.Sachin Kumar Srivastava	Raghavendra Sai V V, Indian Institute of Technology Madras/Saurabh Mani Tripathi, Indian Institute of Technology, Delhi	28-02-2025	3/4/2025
237	19925022	SHAKTI SINGH	PH	STUDY OF STRUCTURED LIGHT PROPAGATION IN ATMOSPHERIC TURBULENCE AND DIELECTRIC MEDIA	Prof.Akhilesh Kumar Mishra	Kedar Khare, Indian Institute of Technology Delhi/Naveen Kumar Nishchal, Indian Institute of Technology Patna	13-09-2024	9/26/2024

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238	19925023	SHIKHA RATHI	PH	ATOMIC STRUCTURE STUDIES OF SPECIES RELEVANT TO ASTROPHYSICAL AND FUSION PLASMA	Prof.Lalita Sharma	Bijaya Kumar Sahoo, Physical Research Laboratory (PRL) Navrangpura Ahmedabad-380009/Sonjoy Majumder, Indian Institute of Technology Kharagpur Kharagpur, India - 721302	07-08-2024	8/20/2024
239	19925025	SUMIT	PH	STUDY OF SOME PROPERTIES OF DECONFINED MATTER: RESUMMED PERTURBATION THEORY AND BEYOND	Prof.Binoy Krishna Patra, , Najmul Haque	Mikko Laine, Universität Bern Institute for Theoretical Physics /Rishi Shamra, Tata Institute of Fundamental Research, Homi	18-09-2024	10/1/2024
240	18925043	TEJASVINI SHARMA	PH	EXPLORING EXCITED STATE DYNAMICS AND SINGLET FISSION IN ORGANIC SEMICONDUCTORS	Prof.Soumitra Satapathi	Prof. Mahesh Kumar, National Physical Laboratory and AcSIR/Prof. Sai Santosh Kumar Ravi, IIT Hyderabad	24-02-2025	3/12/2025
241	16922001	ABDULLAH ANSARI	PP	CONCEPT OF DECENTRALIZED MANAGEMENT OF SEWAGE WASTEWATER & MUNICIPAL SOLID WASTE: A DETAILED CASE STUDY OF SAHARANPUR SMART CITY	Prof.Dharm Dutt, Vivek Kumar	Dr. Anupam Singhal, BITS Pilani/Dr Anurag Garg, IIT Bombay	25-10-2024	11/7/2024
242	20922001	ARIHANT AHUJA	PP	UTILIZATION OF NATURALLY OCCURRING SHELLAC-BASED MATERIALS FOR PAPER-BASED PACKAGING OF LIQUID PRODUCTS	Prof.Vibhore Kumar Rastogi	Prof. Martin Hubbe, NC State University,/Dr. Manoj K Patel, Central Scientific Instruments Organization	16-12-2024	1/14/2025
243	17922006	SANJEEV KUMAR	PP	ENHANCED ROBUST CONTROLLER DESIGN FOR SPATIAL DISTRIBUTED SYSTEM USING GENETIC ALGORITHM AND M -SYNTHESIS TECHNIQUES FOR A PAPER MACHINE	Prof.Subhash Chander Sharma	Dr. Ravi Shankar Singh, IIT(BHU), Varanasi/Dr. Ajit Kumar Verma , Western Norway University of Applied Sciences, Haugesund, Norway	06-11-2024	11/25/2024