

सीनेट की एकसौआठवीं बैठक का कार्यवृत्त

**MINUTES OF THE 108TH
MEETING OF THE SENATE**

**18 फरवरी 2026
18TH FEBRUARY 2026**



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

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सूची/INDEX

मुद्दा सं०/ Item No.	विवरण/Particulars	पृष्ठ/ Page(s)
108.1	सीनेट की दिनांक 30.10.2025 को आयोजित हुई 107वीं बैठक के कार्यवृत्त की पुष्टि करना। To confirm the minutes of the 107 th Senate meeting held on 30.10.2025.	1
108.2	सीनेट की दिनांक 30.10.2025 को आयोजित हुई 107वीं बैठक में लिए गए निर्णयों के क्रियान्वयन पर की गई कार्यवाही को रिपोर्ट करना। To report on the actions taken to implement the decisions of the Senate taken in its 107 th meeting held on 30.10.2025.	2
108.3	'स्मार्ट जल संसाधन प्रबंधन में एक लघु विशेषज्ञता प्रोग्राम शुरू करने के लिए जल संसाधन विकास एवं प्रबंधन विभाग (WRDM) के प्रस्ताव पर विचार करना। To consider the proposal of Department of Water Resources Development and Management (WRDM) to introduce a minor specialization program in 'Smart Water Resources Management'.	2
108.4	'स्पेस साइंस एंड टेक्नोलॉजी' में एक लघु विशेषज्ञता प्रोग्राम शुरू करने के लिए सेंटर फॉर स्पेस साइंस एंड टेक्नोलॉजी (CSST) के प्रस्ताव पर विचार करना। To consider the proposal of Centre for Space Science and Technology (CSST) to introduce a minor specialization program in 'Space Science and Technology'.	2

108.5	एमबीए और ईएमबीए में एक नया स्पेशलाइजेशन, "इकोनॉमिक्स, स्ट्रेटेजी और पब्लिक पॉलिसी" शुरू करने के लिए प्रबंधन अध्ययन विभाग के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Management Studies to add new specialization in MBA and EMBA as "Economics, Strategy, and Public Policy".	3
108.6	द्वितीय परीक्षा के दौरान अनुचित साधनों का उपयोग करने पर दंडात्मक प्रावधानों पर मौजूदा दिशानिर्देशों में संशोधन पर विचार करना। To consider the revision in the existing guidelines on penal provisions for using Unfair Means during the second examination.	3-4
108.7	कोर्स छोड़ने के मुद्दे पर कमिटी की रिपोर्ट पर विचार करना। To consider the report of the committee regarding the issue of course dropping.	4
108.8	बीएस-एमएस भौतिकी प्रोग्राम के लिए कोर्स शिफ्ट करने के संबंध में भौतिकी विभाग के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Physics regarding the shifting of courses for the BS-MS Physics programme.	4-5
108.9	बी.टेक. इलेक्ट्रॉनिक्स एवं संचार अभियांत्रिकी प्रोग्राम के प्रोग्राम स्ट्रक्चर में बदलाव के संबंध में इलेक्ट्रॉनिक्स एवं संचार अभियांत्रिकी विभाग के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Electronics and Communication Engineering regarding revision in the programme structure of B.Tech. Electronics and Communication Engineering programme.	5-6
108.10	एम.टेक. स्ट्रक्चरल इंजीनियरिंग के प्रोग्राम स्ट्रक्चर में बदलाव के संबंध में जानपद अभियांत्रिकी विभाग के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Civil Engineering regarding revision in the programme structure of M.Tech. Structural Engineering.	6
108.11	पॉलिमर और प्रोसेस इंजीनियरिंग विभाग के 'पॉलिमर साइंस में एम.एससी प्रोग्राम' के प्रस्तावित प्रोग्राम स्ट्रक्चर पर विचार करना। To consider the proposed programme structure of the 'M.Sc. Programme in Polymer Science' of the Department of Polymer and Process Engineering.	6
108.12	मास्टर्स और पीएचडी एडमिशन के लिए मौजूदा MEQ में 4-साल की बीएस डिग्री को बी.टेक./बीई के बराबर मानने पर विचार करना। To consider the inclusion of 4-Year BS Degree as equivalent to B.Tech./BE in existing MEQ for Masters and PhD Admissions.	7

108.13	शैक्षणिक सत्र 2026-2027 के लिए M.Tech./ M.Arch./ MURP प्रोग्राम में एडमिशन के लिए न्यूनतम शैक्षणिक योग्यता (MEQ) पर विचार करना। To consider the Minimum Educational Qualification (MEQ) for admission to M.Tech./ M.Arch./MURP programme for the Academic Session 2026-2027.	7
108.14	परिवहन प्रणाली केंद्र (CTRANS) में पीएचडी प्रोग्राम में एडमिशन के लिए मिनिमम एजुकेशनल क्वालिफिकेशन (MEQ) पर विचार करना। To consider the Minimum Educational Qualification (MEQ) for admission to Ph.D. programme in the Centre for Transportation Systems (CTRANS).	7
108.15	एमबीए एडमिशन के संबंध में निम्नलिखित पर विचार करना: क. वर्ष 2026 से एमबीए प्रोग्राम के लिए स्वीकृत प्रवेश के अतिरिक्त आईआईटी ग्रेजुएट्स के एडमिशन पर विचार करना। ख. वर्ष 2026 से एमबीए एडमिशन के लिए सीटों में बढ़ोतरी पर विचार करना। ग. एमबीए एडमिशन के लिए प्रतिक्षासूची में शामिल उम्मीदवारों के लिए सीट पुष्टि राशि के प्रस्ताव पर विचार करना। To consider the following w.r.t. MBA Admission: A. To consider the admission of IIT graduates over and above the sanctioned intake for MBA programme from the year 2026 onwards. B. To consider the increase in seats for MBA Admission from the year 2026. C. To consider the proposal for seat confirmation amount for waitlisted candidates in MBA admission.	8
108.16	शैक्षणिक सत्र 2026-2027 के लिए निम्नलिखित प्रवेश/सीट मैट्रिक्स पर विचार करना: क. जैम 2026 के माध्यम से एम.एससी. एडमिशन के लिए सीट मैट्रिक्स। ख. M.Tech./M.Arch./MURP एडमिशन 2026 के लिए सीट मैट्रिक्स। ग. UG प्रोग्राम के लिए प्रवेश/सीट मैट्रिक्स। To consider the following intake/seat matrix for the Academic Session 2026-2027: A. Seat matrix for M.Sc. Admission through JAM 2026. B. Seat matrix for M.Tech./M.Arch./MURP Admission 2026. C. Intake/seat matrix for UG programmes.	9
108.17	एकीकृत शिक्षक शिक्षा कार्यक्रम (आईटीईपी) के अंतर्गत 4 वर्षीय बीएससी-बीएड (द्वितीय चरण) कार्यक्रम को शुरू करने के लिए एकीकृत शिक्षक शिक्षा कार्यक्रम कार्यान्वयन समिति (आईटीईपीआईसी) की रिपोर्ट पर विचार करना। To consider the report of the Integrated Teachers Education Programme Implementation Committee (ITEPIC) to operationalize the 4-year B.Sc-B.Ed. (Secondary Stage) programme under the Integrated Teachers Education Programme (ITEP).	9-10

108.18	शरद ऋतु सेमेस्टर 2026-27 के लिए शैक्षणिक कैलेंडर पर विचार करना। To consider the Academic Calendars for the Autumn Semester 2026-27.	10
108.19	लघु प्रोग्राम के लिए अलग CGPA बनाए रखने के प्रस्ताव पर विचार करना। To consider the proposal for maintaining a separate CGPA for the Minor Program.	10
108.20	रोलिंग / प्रोजेक्ट / एक्सटेंसिव प्रोफेशनल एक्सपीरियंस (EPE) कैटेगरी के अंतर्गत नए पीएचडी एडमिशन पर विचार करना। To consider the joining of new Ph.D. admissions under Rolling/ Project/ Extensive Professional Experience (EPE) Categories.	11
108.21	एक्सटेंसिव प्रोफेशनल एक्सपीरियंस स्कीम के तहत पीएचडी प्रोग्राम में एडमिशन के लिए पात्रता मापदंड में बदलाव पर विचार करना। To consider the revision in the eligibility criteria for admission to Ph.D. programme under Extensive Professional Experience Scheme.	11
108.22	शैक्षणिक वर्ष 2025-26 के दौरान विधिवत अर्हता प्राप्त करने वाले 122+1 रिसर्च स्कॉलर्स को पीएचडी डिग्री प्रदान करने पर विचार करना। To consider the award of Ph.D. Degrees to 122+1 Research Scholars, who have duly qualified during Academic Year 2025-26.	12
108.23	“डॉक्टोरल अनुसंधान में उत्कृष्टता पुरस्कार” पर कमिटी की सिफारिशों पर विचार करना। To consider the recommendations of the Committee on the “Excellence in Doctoral Research Award.”	12
108.24	नये पुरस्कार/छात्रवृत्ति की स्थापना को रिपोर्ट करना। To report the Institution of new Awards/ Scholarships.	13
108.25	सीनेट के अध्यक्ष द्वारा दिए गए अनुमोदन को रिपोर्ट करना। To report the approvals accorded by the Chairman, Senate.	13
अन्य मुद्दे अध्यक्ष की अनुमति से/Under any other item with the permission of the Chair.		
108.26	M.Tech./M.Arch./MURP प्रवेश के लिए प्रवेश आवेदन में “विभागों/केन्द्रों/स्कूलों की संख्या पर प्रतिबंध हटाने” के संदर्भ में बदलाव करने पर विचार करना। To consider the modification in the admission application for M.Tech./M.Arch./MURP admissions in terms of “removal of restriction on the number of Departments/ Centres/Schools”.	13
108.27	आईआईटी रुड़की की मानसिक स्वास्थ्य नीति के प्रस्ताव पर विचार करना। To consider the proposal of Mental Health Policy of IIT Roorkee.	13

Ann.-I	दिनांक 18.02.2026 को उपस्थित सदस्यों की सूची। List of members present on 18.02.2026.	14-17
Ann.-II	दिनांक 18.02.2026 को बैठक में शामिल होने में असमर्थता व्यक्त करने वाले सदस्यों की सूची। List of members who conveyed their inability to join the meeting on 18.02.2026.	18
App.-A	एमबीए और ईएमबीए में इकोनॉमिक्स, स्ट्रैटेजी और पब्लिक पॉलिसी स्पेशलाइजेशन का प्रस्ताव। Proposal for Economics, Strategy, and Public Policy Specialization in MBA and EMBA.	19-23
App.-B	आईआईटी रूड़की में शैक्षणिक प्रक्रियाओं की प्रगति पर प्रस्तुति। Presentation on Progresses of Academic Processes at IIT Roorkee.	24-29
App.-C	एम.टेक. स्ट्रक्चरल इंजीनियरिंग की संशोधित कार्यक्रम संरचना। Revised programme structure of M.Tech. Structural Engineering.	30-32
App.-D	'पॉलिमर साइंस में एमएससी प्रोग्राम' की कार्यक्रम संरचना। Programme structure of the 'M.Sc. Programme in Polymer Science'.	33-35
App.-E	शैक्षणिक सत्र 2026-2027 के लिए M.Tech./M.Arch./MURP में प्रवेश हेतु कार्यक्रमवार न्यूनतम शैक्षणिक योग्यता (MEQ)। Programme-wise Minimum Educational Qualification (MEQ) for M.Tech./M.Arch./MURP admission for the Academic Session 2026-2027.	36-43
App.-F	शैक्षणिक सत्र 2026-2027 के लिए जैम 2026 के माध्यम से एम.एससी. में प्रवेश के लिए सीट मैट्रिक्स। Seat matrix for M.Sc. Admission through JAM 2026 for the Academic Session 2026-2027.	44
App.-G	शैक्षणिक सत्र 2026-2027 के लिए M.Tech./M.Arch./MURP में प्रवेश के लिए सीट मैट्रिक्स। Seat matrix for M.Tech./M.Arch./MURP Admission for the Academic Session 2026-2027.	45
App.-H	शैक्षणिक सत्र 2026-2027 के लिए UG प्रोग्राम के लिए सीट मैट्रिक्स। Seat matrix for UG programmes for the Academic Session 2026-2027.	46
App.-I	एकीकृत शिक्षा शिक्षा कार्यक्रम (आईटीईपी) के अंतर्गत 4 वर्षीय बीएससी-बीएड (द्वितीय चरण) कार्यक्रम के लिए शुल्क संरचना। Fee structure for 4-year B.Sc-B.Ed. (Secondary Stage) programme under the Integrated Teachers Education Programme (ITEP).	47

App.-J	एकीकृत शिक्षक शिक्षा कार्यक्रम (आईटीईपी) के अंतर्गत गणित में 4 वर्षीय बीएससी-बीएड (द्वितीय चरण) कार्यक्रम की कार्यक्रम संरचना। Programme structure for the 4-year B.Sc-B.Ed. in Chemistry (Secondary Stage) programme under the Integrated Teachers Education Programme (ITEP).	48-55
App.-K	एकीकृत शिक्षक शिक्षा कार्यक्रम (आईटीईपी) के अंतर्गत रसायन विज्ञान में 4 वर्षीय बीएससी-बीएड (द्वितीय चरण) कार्यक्रम की कार्यक्रम संरचना। Programme structure for the 4-year B.Sc-B.Ed. in Mathematics (Secondary Stage) programme under the Integrated Teachers Education Programme (ITEP).	56-62
App.-L	शरद ऋतु सेमेस्टर 2026-27 के लिए शैक्षणिक कैलेंडर। Academic Calendars for Autumn Semester 2026-27.	63-66
App.-M	एक्सटेंसिव प्रोफेशनल एक्सपीरियंस (EPE) स्कीम के तहत पीएचडी प्रोग्राम में एडमिशन के लिए पात्रता मापदंड में बदलाव पर समिति की रिपोर्ट। Report of the committee for the revision in the eligibility criteria for Ph.D. admission under Extensive Professional Experience (EPE) Scheme.	67-70
App.-N	शैक्षणिक वर्ष 2025-26 के दौरान विधिवत अर्हता प्राप्त करने वाले 123 शोध विद्वानों की सूची। List of 123 Research Scholars duly qualified during the Academic Year 2025-26.	71-85
App.-O	आईआईटी रुड़की की मानसिक स्वास्थ्य नीति। Mental Health Policy of IIT Roorkee.	86-146


 20 MAR 2026

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
MEETING SECTION**



**Minutes of the 108th Meeting of the Senate held on 18.02.2026 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.

At the outset, the Chairperson welcomed the members into the 108th meeting of the Senate. Thanks were also placed on record for the valuable contributions of the outgoing member, Prof. Sagarika Mukhopadhyay, Department of Earth Sciences.

In his opening remarks, the Chairperson emphasized that the departments should revise the course curriculum and electives to align with the dynamic needs of the market & industry. He further informed that the exercise to carry out the review of the Departments/Centres/School needs to be undertaken soon, as the last review was conducted in 2014. The review exercise should be completed in next 6 months. The Chairman informed the Senate that the Dean of Academic Affairs has been asked to initiate this exercise and submit the review reports within the specified time frame.

Suggestions were also invited to review and modify the Faculty Appraisal Form.

The agenda was taken up.

Item No. 108.1: To confirm the minutes of the 107th Senate meeting held on 30.10.2025.

The comment received on item no. 107.3 was placed before the Senate. The Chairperson showed disagreement on a point that proposed change was not in agenda. It was otherwise informed that any item may be permitted or deliberated on the floor that may not even be in the structured agenda list.

The Senate agreed to retain the name as Centre for Photonics and Quantum Communication Technology, and confirmed the minutes of the 107th meeting as circulated.

Item No.108.2: To report on the actions taken to implement the decisions of the Senate taken in its 107th meeting held on 30.10.2025.

The Senate noted the actions taken on the minutes.

Item No.108.3: To consider the proposal of Department of Water Resources Development and Management (WRDM) to introduce a minor specialization program in 'Smart Water Resources Management'.

The Senate considered the proposal and observed that the proposed minor specialization program has courses starting with the 5 & 6 series that are primarily PG courses. After discussion, the Senate asked the department to develop some basic-level courses, particularly in the core basket, usually required for any minor degree program. The courses so designed be shared with the Head of Departments/Centres/School for feedback.

The item was deferred.

Item No.108.4: To consider the proposal of Centre for Space Science and Technology (CSST) to introduce a minor specialization program in 'Space Science and Technology'.

The Senate considered the recommendations of the IAPC and approved to start a minor specialization program in 'Space Science and Technology' with the following structure:

S. No.	Semester	Course Title	Credits	Contact Hours		
				L	T	P
1	B.Tech. 6 th Sem	SSL-516: Introduction to Space Science and Technology	4	3	1	0
2	B.Tech. 7 th Sem	SSC-507: Satellite System Technology	4	3	0	2
		SSL-517: Space Weather: Origins and Impacts	4	3	1	0
3	B.Tech. 8 th Sem	SSL-518: Materials and Manufacturing for Space	4	3	1	0
		SSL-505: Space Mission Design and Optimization	4	3	1	0

Item No.108.5: To consider the proposal of the Department of Management Studies to add new specialization in MBA and EMBA as “Economics, Strategy, and Public Policy”.

The Senate considered the recommendations of the IAPC and approved the proposal to add a specialization ‘Economics, Strategy, and Public Policy’ in MBA and EMBA, as given in **Appendix-A**.

Item No.108.6: To consider the revision in the existing guidelines on penal provisions for using Unfair Means during the second examination.

The Senate considered the recommendations of the IAPC and approved the following change in a clause on severity of offence, in the guidelines for handling the cases of Unfair Means during examination:

Severity of Offence	Revised Clause
<i>Level-2a Offence-II</i>	a. If a student is caught carrying prohibited items repeatedly during any of the examinations in a semester, then the student be given a course backlog in all the exams in which the student was caught carrying such items. b. If a student is caught carrying prohibited items a second time in any subsequent semesters, then the student be given a course backlog in the course in which the student was caught for the second time.

Further, the Senate has taken a presentation of Dean of Academic Affairs on “Progresses of Academic Processes at IIT Roorkee” (**Appendix-B**), and given the following observations:

- (i) Shown satisfaction on declining trend of requests for slow pace. More efforts be carried out to further bring down this number.
- (ii) Noted with concern that some research scholars, even after best efforts of the supervisor, could not publish any paper. The SRCs are advised to take suitable steps to ensure timely submission of the Thesis, and may inform the status of such cases in subsequent Senate.

- (iii) Reiterated that attendance of research scholars is invariably required to release their fellowship. Suitable mechanism either of signatures in the respective Departments/Centres/School attendance register or attendance through some App be recorded. A copy of the monthly attendance report be sent to the Academic Affairs Office.
- (iv) The faculty members would be required to take attendance through online mode only from the Autumn Semester 2026-27, considering the linkage of faculty score with students' attendance and response form.
- (v) Also reiterated that the student response form (feedback form) is mandatory to be filled. The AAO will declare guidelines to students, which may include linking the viewing of grades to recording responses on the feedback form.

Item No.108.7: To consider the report of the committee regarding the issue of course dropping.

The Senate considered the recommendations of the IAPC on the committee report on course dropping. The Senate after due deliberation, accepted the same with following changes:

1. The student seeking withdrawal from a course shall apply within the prior-notified deadline, specified in the semester academic calendar. That will be allowed after one week of showing the MTE marks.
2. The withdrawn course shall not be recorded in the Grade Sheet, and shall not be counted for CGPA calculation.
3. A maximum of four courses be allowed to withdraw during the entire program. The PCC, and, TEB courses, however, not be allowed to drop, unless in cases of extreme exigencies, which will be decided by the DoAA on case to case basis.

Item No.108.8: To consider the proposal of the Department of Physics regarding the shifting of courses for the BS-MS Physics programme.

The Senate considered the recommendations of the IAPC and approved the proposal to shift the courses and credits for the BS-MS Physics. The revised changes are as follows:

(A)

S. No.	Course	Existing	Revised change
1	TEB-I	III year Spring semester	IV year Autumn semester
2	TEB-II	IV year Autumn Semester	IV year Spring semester
3	PHC-402: Advanced Mathematical Physics	IV year Spring Semester	III year Spring Semester

(B)

For 5 Years BS-MS (Physics)				For 4 Years BS-MS (Physics) (with EXIT option)	
Year/Semester wise		Present credits	Revised credits	Present credits	Revised credits
I	Autumn	No Change		No Change	
	Spring				
II	Autumn			No Change	
	Spring				
III	Autumn			No Change	
	Spring	20/23-24	22/25-26	20	22
IV	Autumn	20/23-24	18/21-22	20	18
	Spring			6	10
V	Autumn	No Change			
	Spring				

Item No.108.9: To consider the proposal of the Department of Electronics and Communication Engineering regarding revision in the programme structure of B.Tech. Electronics and Communication Engineering programme.

The Senate considered the recommendations of the IAPC and approved the following changes in the programme structure of B.Tech. Electronics and Communication Engineering:

S.No.	Course	Revised change
1	PHB-102: Quantum and Statistical Mechanics	Removed
2	DAE-101: Computer Architecture	Be introduced in II year Spring semester


20 MAR 2026

Accordingly, the revised credits for the BSC and ESC are as follows:

Components	Revised credits
BSC	16
ESC	12

Item No.108.10: To consider the proposal of the Department of Civil Engineering regarding revision in the programme structure of M.Tech. Structural Engineering.

The Senate considered the proposal of the IAPC and approved the revised programme structure of M.Tech Structural Engineering as given in **Appendix-C**.

Further, the Senate emphasized that with any change or shifting of the courses, the total PCC and PEC credits should not be reduced. The program should have more practical components in L-T-P distribution.

Item No.108.11: To consider the proposed programme structure of the 'M.Sc. Programme in Polymer Science' of the Department of Polymer and Process Engineering.

The Senate considered the recommendations of the IAPC to start the 'M.Sc. Programme in Polymer Science', and after deliberations, approved the program structure as given in **Appendix-D**, with the following program details:

Deptt.	Programme	Code	JAM Paper code	Gen (Non-PwD)	Gen (PwD)	EWS (Non-PwD)	EWS (PwD)	OBC (Non-PwD)	OBC (PwD)	SC (Non-PwD)	SC (PwD)	ST (Non-PwD)	ST (PwD)	Total Intake
Polymer and Process Engineering	M.Sc. Polymer Science	1807	CY	5	1	2	0	4	0	2	0	1	0	15

Minimum Educational Qualification (MEQ): The candidate should have a Bachelor's degree (Science) in the relevant field.

Admission: Through JAM

Test paper Code: Chemistry (CY).


20 MAR 2026

Item No.108.12: To consider the inclusion of 4-Year BS Degree as equivalent to B.Tech./BE in existing MEQ for Masters and PhD Admissions.

The Senate considered the recommendations of the IAPC and IRC, and approved the inclusion of the 4-Year BS Degree in the existing MEQ for Master's and PhD Admissions. All other qualifying requirements of national-level examinations, such as JEE(Advanced)/GATE, etc., wherever applicable, will remain the same.

Item No.108.13: To consider the Minimum Educational Qualification (MEQ) for admission to M.Tech./M.Arch./MURP programme for the Academic Session 2026-2027.

The Senate considered the recommendations of the IAPC, and accepted the proposed Minimum Educational Qualification (MEQ) for admission to M.Tech./M.Arch./MURP programme, with the following observations:

- (i) The collaborative departments need to be on board while drafting MEQs for a joint program.
- (ii) The coordinator of the Coordination Committee of collaborative departments should be changed every two years. For example, a coordinator from E&CE department may be moved to the Physics department on completion of two years.
- (iii) MEQ for the department of BSBE should be reviewed by inviting feedback.
- (iv) The revised MEQ for the Centre for Sustainable Energy has not been approved.

The reviewed modified MEQ is given in **Appendix-E**.

Item No.108.14: To consider the Minimum Educational Qualification (MEQ) for admission to Ph.D. programme in the Centre for Transportation Systems (CTRANS).

The Senate considered the proposal and advised the Centre to reconsider the Minimum Education Qualification.


20 MAR 2026

Item No.108.15: To consider the following w.r.t. MBA Admission:

A. To consider the admission of IIT graduates over and above the sanctioned intake for MBA programme from the year 2026 onwards.

The Senate considered and advised to continue with the selection criteria for MBA admission as it was approved by the Senate in its 81st meeting held on 08.01.2020. Seats for IIT Graduates may be fixed within the approved seats for the MBA programme as per reservation norms.

B. To consider the increase in seats for MBA Admission from the year 2026.

The Senate suggested that the approved intake can be reviewed only after consistent utilization of existing intake in the preceding admission years.

C. To consider the proposal for seat confirmation amount for waitlisted candidates in MBA admission.

The Senate has taken note of the large withdrawal of seats from multiple rounds of the waiting list, which leads to a loss of opportunity to serious candidates, and has accepted the following recommendation of IAPC:

After the completion of the first round of MBA admissions, the remaining candidates on the merit list shall be required to deposit a security amount of ₹50,000/-, adjustable towards admission fee, to be considered for waitlisting. However, if the admission is withdrawn or the candidate rejects the offer, an amount of ₹5,000 as a processing fee will be deducted from the security amount.


20 MAR 2026

Item No.108.16: To consider the following intake/seat matrix for the Academic Session 2026-2027:

- A. Seat matrix for M.Sc. Admission through JAM 2026.**
- B. Seat matrix for M.Tech./M.Arch./MURP Admission 2026.**
- C. Intake/seat matrix for UG programmes.**

The Senate considered the recommendations of IAPC, and approved the following seat matrix for the Academic Session 2026-27:

- A. Seat matrix for M.Sc. admission 2026 through JAM, as given in **Appendix-F**.
- B. Seat matrix for M.Tech./M.Arch./MURP Admission 2026 with some modifications, as given in **Appendix-G**.
- C. Intake/Seat matrix for UG programmes, as given in **Appendix-H**.

Item No.108.17: To consider the report of the Integrated Teachers Education Programme Implementation Committee (ITEPIC) to operationalize the 4-year B.Sc-B.Ed. (Secondary Stage) programme under the Integrated Teachers Education Programme (ITEP).

The Senate considered the recommendations of the IAPC on the report of the Integrated Teachers Education Programme Implementation Committee (ITEPIC), and accepted the following:

1. The initial intake will be 50 in the disciplines of Mathematics and Chemistry.
2. The eligibility criteria for the BSc-B.Ed. program:

Minimum Educational Requirements		
Academic Programme	MEQs for Admission	Essential Subjects at XII and NCET
B.Sc-B.Ed (Secondary Stage)	Class XII with minimum 60% for General, OBC, and EWS categories and 55% for SC, ST, and PwD categories.	Physics, Chemistry and Mathematics at Class XII in the combination of subjects and the above three as domain subjects in NCET 2026

Note: The category indicated on the applicant's NCET Score Card will be used for determining reservation eligibility. Reservation and the Seat Matrix will follow the roster prepared in accordance with Government of India norms.

3. The fee & program structures are given at **Appendices-I, J & K** respectively.
4. The Senate also accepted ITEPIC proposal and recommended to the Board, to create a new department namely the Department of Science Education at the Saharanpur Campus, for an effective conduct and administration of the Integrated Teachers Education Programme (ITEP).

Further, the Senate noted that the students in this programme will not be part of routine placement.

Item No.108.18: To consider the Academic Calendars for the Autumn Semester 2026-27.

The Senate considered the Academic Calendars for Autumn Semester 2026-27 and approved after incorporating the following modifications:

- (i) Convocation date (notional) will be subject to change on the Chairman, BoG/Chief Guest's availability.
- (ii) Last date for withdrawal of a course be reset in view of the decision taken in agenda number 108.7.
- (iii) Suggestions of DoSW chaired committee on MTEs be taken up in a subsequent Senate meeting.
- (iv) MBA calendar be synchronized with calendar of other programs.

The modified Academic Calendars are given in **Appendix-L**.

Item No.108.19: To consider the proposal for maintaining a separate CGPA for the Minor Program.

The Senate considered the recommendations of the IAPC and approved the following proposal:

- (i) The CGPA earned in the Minor Program be maintained separately than the Overall CGPA.
- (ii) The Minor Program would be reflecting on the students' transcript with a distinct Minor CGPA.
- (iii) The CGPA earned in the Minor Program will not be considered for placement purposes and awarding division in the primary degree program.


20 MAR 2026

Item No.108.20: To consider the joining of new Ph.D. admissions under Rolling / Project / Extensive Professional Experience (EPE) Categories.

The Senate considered the recommendations of the IRC on admission of Research Scholars under the Rolling/Project category, and approved the following:

- (i) The Research Scholars, who join the programme after expiry of the course addition window of that semester, will be required to pay the semester fee, except the tuition fee of that semester. Further, they will not be allowed to undertake any coursework during that semester.
- (ii) The Research Scholars admitted under the EPE category will be excluded from this provision.

Item No.108.21: To consider the revision in the eligibility criteria for admission to Ph.D. programme under Extensive Professional Experience Scheme.

The Senate considered the recommendations of the IRC on the report of the committee, constituted for the periodic review and updating the eligibility criteria for Ph.D. admissions under the Extensive Professional Experience (EPE) Scheme, and accepted the same with the following modifications:

- (i) All candidates under the EPE mode will be required to have an experience of 10 years with a Master's degree or 12 years of experience with a Bachelor's degree.
- (ii) In the case of Group-A government officers, only the experience of Group-A service will be considered.
- (iii) All applications for admission shall be accepted through the online portal.
- (iv) The admitted research scholars under the EPE mode shall be required to report physically at least once in the academic year for the annual presentation.
- (v) There will be no ceiling on the maximum number of EPE research scholars per faculty.

The report is given in **Appendix-M.**


20 MAR 2026

Item No.108.22: To consider the award of Ph.D. Degrees to 122+1 Research Scholars, who have duly qualified during Academic Year 2025-26.

The Senate considered and recommended to the Board of Governors to award Ph.D. Degrees to 123 Research Scholars, as given in **Appendix-N**, who have duly qualified for the award of Ph.D. degrees during Academic Year 2025-26.

Item No.108.23: To consider the recommendations of the committee on the "Excellence in Doctoral Research Award."

The Senate considered the recommendations of the IRC on the report of the committee and approved the following guidelines for "Excellence in Doctoral Research Award":

1. The cash component of the awards except for Dr. Sushil Sharma Excellence in Doctoral Research Award will be discontinued and only a citation will be conferred.
2. The citation of award, "Excellence in Doctoral Research Award" should also carry rigorous selection method on the back of the certificate as to enhance the transparency and to strengthen the importance of the award.
3. Each department/centre/school can nominate two scholars for "Excellence in Doctoral Research Award". Out of those total nominations, finally the 5 Awards including one award named as Dr. Sushil Sharma Excellence in Doctoral Research Award preferably in the area of Physics, will be selected.
4. Out of the total five awards, one award will be for the HSS, Architecture, and Management streams.
5. Applications/nominations for these Awards should annually be invited at least four months prior to the upcoming Convocation.
6. There should be an Internal Panel of the evaluators approved by the Director, IIT Roorkee, to consider the thesis for an award on the basis of parameters already notified while inviting the nomination.
7. Shortlisted scholars will be called for in-person interaction with the Internal Panel to judge the capability of the students across disciplines so as to finally recommend 5 scholars.


20 MAR 2026

Item No.108.24: To report the Institution of new Awards/Scholarships.

The Senate noted the item.

Item No.108.25: To report the approvals accorded by the Chairman, Senate.

The Senate noted the item.

Under Any other items

Item No.108.26: To consider the modification in the admission application for M.Tech./M.Arch./MURP admissions in terms of “removal of restriction on the number of Departments/Centres/Schools”.

The Senate considered the proposal alongwith comments received from the departments/centres/school, and approved to fill the maximum fourteen (14) programme preferences, without any restriction on the number of Departments/Centres/School applied for. This will be effective from the Academic Session 2026-27.

Item No.108.27: To consider the proposal of Mental Health Policy of IIT Roorkee.

The Senate noted the Inter-IIT dialogue on proposed guidelines on Mental Health Policy, and appreciated the efforts & participations of all IITs.

The Mental Health Policy-Guidelines as already shared with the HoDs, DRC Chairs, & others, be adopted as given at **Appendix-O**.

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


20 MAR 2026

Annexure-I

Following were present

1.	Prof. K.K. Pant	Director & Chairman of the Senate
2.	Prof. U.P. Singh	Dy. Director
3.	Prof. Rajan Arora	Applied Math. and Scientific Computing
4.	Prof. Jaydev	Applied Math. and Scientific Computing
5.	Prof. Milli Pant	Applied Math. and Scientific Computing
6.	Prof. Avlokita Agarwal	Architecture and Planning
7.	Prof. Uttam Kumar Roy	Architecture and Planning
8.	Prof. Srinivas Kiran Ambatipudi	Biosciences and Bioengineering
9.	Prof. Harsh Chauhan	Biosciences and Bioengineering
10.	Prof. Sanjay Ghosh	Biosciences and Bioengineering
11.	Prof. Naveen Kumar Navani (DoAA)	Biosciences and Bioengineering
12.	Prof. Gopinath Packirisamy	Biosciences and Bioengineering
13.	Prof. Ranjana Pathania	Biosciences and Bioengineering
14.	Prof. Ramasare Prasad	Biosciences and Bioengineering
15.	Prof. Partha Roy	Biosciences and Bioengineering
16.	Prof. Debabrata Sircar	Biosciences and Bioengineering
17.	Prof. Shri Ram Yadav	Biosciences and Bioengineering
18.	Prof. Prakash Biswas	Chemical Engineering
19.	Prof. Amit Kumar Dhiman	Chemical Engineering
20.	Prof. Shabina Khanam	Chemical Engineering
21.	Prof. Vimal Kumar	Chemical Engineering
22.	Prof. Vimal Chandra Srivastava	Chemical Engineering
23.	Prof. Debasis Banerjee	Chemistry
24.	Prof. Kaushik Ghosh	Chemistry
25.	Prof. Prasenjit Kar	Chemistry
26.	Prof. Paritosh Mohanty	Chemistry
27.	Prof. Jeevanandam P.	Chemistry
28.	Prof. R.K. Peddinti	Chemistry
29.	Prof. Kalyan Kumar Sadhu	Chemistry
30.	Prof. Muniappan Sankar	Chemistry
31.	Prof. Anuj Sharma	Chemistry
32.	Prof. K.R. Justin Thomas	Chemistry
33.	Prof. Satish Chandra	Civil Engineering
34.	Prof. Rajib Chowdhury	Civil Engineering
35.	Prof. Indrajit Ghosh	Civil Engineering
36.	Prof. M.A. Iqbal	Civil Engineering
37.	Prof. Praveen Kumar	Civil Engineering
38.	Prof. Priti Maheshwari	Civil Engineering
39.	Prof. C.S.P. Ojha	Civil Engineering

40.	Prof. Manoranjan Parida	Civil Engineering
41.	Prof. K.S. Hari Prasad	Civil Engineering
42.	Prof. Sonalisa Ray	Civil Engineering
43.	Prof. N.K. Samadhiya	Civil Engineering
44.	Prof. Sudipta Sarkar	Civil Engineering
45.	Prof. Vishwas Sawant	Civil Engineering
46.	Prof. Umesh Kumar Sharma	Civil Engineering
47.	Prof. R. Balasubramanian	Computer Science and Engineering
48.	Prof. Sugata Gangopadhyay	Computer Science and Engineering
49.	Prof. Sandeep Kumar	Computer Science and Engineering
50.	Prof. R.N. Dubey	Earthquake Engineering
51.	Prof. Ravi Shankar Jakka	Earthquake Engineering
52.	Prof. Bal Krishna Maheshwari	Earthquake Engineering
53.	Prof. Daya Shankar	Earthquake Engineering
54.	Prof. M.L. Sharma	Earthquake Engineering
55.	Prof. Pramod Agarwal	Electrical Engineering
56.	Prof. B.R. Bhalja	Electrical Engineering
57.	Prof. C.P. Gupta	Electrical Engineering
58.	Prof. Yogesh Vijay Hote (Ch. SCSP)	Electrical Engineering
59.	Prof. Premalata Jena	Electrical Engineering
60.	Prof. Dheeraj Kumar Khatod	Electrical Engineering
61.	Prof. Mukesh Kumar Pathak	Electrical Engineering
62.	Prof. P. Sumathi	Electrical Engineering
63.	Prof. Manoj Tripathy	Electrical Engineering
64.	Prof. Barjeev Tyagi	Electrical Engineering
65.	Prof. Anand Bulusu	Electronics and Communication Engg.
66.	Prof. Bishnu Prasad Das	Electronics and Communication Engg.
67.	Prof. Sanjeev Manhas	Electronics and Communication Engg.
68.	Prof. Amalendu Patnaik	Electronics and Communication Engg.
69.	Prof. Pyari Mohan Pradhan	Electronics and Communication Engg.
70.	Prof. Meenakshi Rawat (ADoAA-A)	Electronics and Communication Engg.
71.	Prof. Pooja Garg	Humanities and Social Sciences
72.	Prof. Nagendra Kumar	Humanities and Social Sciences
73.	Prof. Sanjit Kumar Mishra	Humanities and Social Sciences
74.	Prof. Subir Sen	Humanities and Social Sciences
75.	Prof. Sumit Sen	Hydrology
76.	Prof. Brijesh Kumar Yadav	Hydrology
77.	Prof. Sunil Kumar Singhal	Hydro and Renewable Energy
78.	Prof. Ramesh A.	Management Studies
79.	Prof. Rajat Agrawal	Management Studies
80.	Prof. Jogendra Kumar Nayak	Management Studies
81.	Prof. Anil Kumar Sharma	Management Studies
82.	Prof. Vinay Sharma	Management Studies

83.	Prof. Aditi Gangopadhyay	Mathematics
84.	Prof. Ankik Kumar Giri	Mathematics
85.	Prof. Shiv Kumar Gupta	Mathematics
86.	Prof. Ram Jiware	Mathematics
87.	Prof. Maheshanand	Mathematics
88.	Prof. Ammeya Kumar Nayak	Mathematics
89.	Prof. Ram Krishna Pandey	Mathematics
90.	Prof. Uaday Singh	Mathematics
91.	Prof. Tanuja Srivastava	Mathematics
92.	Prof. A. Swaminathan	Mathematics
93.	Prof. Akshay Dvivedi	Mechanical and Industrial Engg.
94.	Prof. S.P. Harsha	Mechanical and Industrial Engg.
95.	Prof. P.K. Jha	Mechanical and Industrial Engg.
96.	Prof. Manish Mishra	Mechanical and Industrial Engg.
97.	Prof. Apurbba Kumar Sharma	Mechanical and Industrial Engg.
98.	Prof. Inderdeep Singh	Mechanical and Industrial Engg.
99.	Prof. K.M. Singh	Mechanical and Industrial Engg.
100.	Prof. Indra Vir Singh	Mechanical and Industrial Engg.
101.	Prof. Sudhakar Subudhi	Mechanical and Industrial Engg.
102.	Prof. Gajanan Prabhakar Chaudhari	Metallurgical and Materials Engg.
103.	Prof. B.S.S. Daniel	Metallurgical and Materials Engg.
104.	Prof. Nikhil Dhawan	Metallurgical and Materials Engg.
105.	Prof. Debrupa Lahiri	Metallurgical and Materials Engg.
106.	Prof. Indranil Lahiri	Metallurgical and Materials Engg.
107.	Prof. Sai Ramudu Meka	Metallurgical and Materials Engg.
108.	Prof. Vivek Pancholi	Metallurgical and Materials Engg.
109.	Prof. Ujjwal Prakash	Metallurgical and Materials Engg.
110.	Prof. Ajay	Physics
111.	Prof. Rajdeep Chatterjee	Physics
112.	Prof. Tulika Maitra	Physics
113.	Prof. Aalok Misra	Physics
114.	Prof. Vipul Rastogi	Physics
115.	Prof. Sumanta Sarkhel	Physics
116.	Prof. Praveen Chandra Srivastava	Physics
117.	Prof. Ghanshyam Das Verma	Physics
118.	Prof. Davinder Kaur Walia	Physics
119.	Prof. Ajay Wasan	Physics
120.	Prof. Pradip Kumar Maji	Polymer and Process Engineering
121.	Prof. Gaurav Manik	Polymer and Process Engineering
122.	Prof. N.C. Mishra	Polymer and Process Engineering
123.	Prof. Thanga Raj Chelliah	WRD&M
124.	Prof. Deepak Khare	WRD&M
125.	Prof. Ashish Pandey	WRD&M

126. Prof. Vishvendra Singh Poonia, Head, Centre for Semiconductor Design & Technology
127. Prof. Abhijit Maiti, Head, Deptt. of Polymer and Process Engineering
128. Prof. Amit Agarwal, Associate Dean, Corporate Interaction (ADCI)
129. Prof. Falguni Pattanaik, ADOAA (Curriculum)
130. Prof. Pradeep Srivastava, ADOAA (Evaluation)
131. Dr. Sanjeev Kumar Sunny, Actg. Librarian
132. Mr. Prashant Garg, Registrar & Secretary, Senate

Students' representative

133. Mr. Aakash Ghariya, Convener, Students' Affairs Council
134. Mr. Mudasani Rushikesh, General Secretary Academic Affairs (UG)
135. Mr. Aman Kumar, General Secretary Academic Affairs (PG)


20 MAR 2026

Annexure-II

The following members conveyed their inability to join the meeting.

1. Prof. Ashwani Kumar Sharma, Deptt. of Biosciences and Bioengineering
2. Prof. Rajat Rastogi, Deptt. of Civil Engineering
3. Prof. Karun Rawat, Deptt. of Electronics and Communication Engineering
4. Prof. Sandip Banerjee, Deptt. of Mathematics
5. Prof. S.H. Upadhyay, Deptt. of Mechanical and Industrial Engineering
6. Prof. B.V.M. Kumar, Deptt. of Metallurgical and Materials Engineering
7. Prof. M.V. Sunil Krishna, Deptt. of Physics
8. Prof. Vivek Kumar Malik, Deptt. of Physics
9. Prof. Sujay Chattopadhyay, Deptt. of Polymer and Process Engineering


20 MAR 2026

**Proposal for Economics and Public Policy Specialization in Master of Business
Administration (MBA) and PhD**

Department of Management Studies

1. Proposed Area of Specialization: Economics and Public Policy

2. Background, Need, and Objectives:

The 21st century witnessed a complex interdependence and global uncertainties across countries. These major changes have posed serious socio-economic challenges, ultimately challenging policymakers to make robust policies to solve these issues. Concomitant to this, a clear understanding of Economics and public policy is crucial for policymakers, entrepreneurs, researchers, and leaders. Though public policy doesn't confine itself to only economics, rather its domain encompasses a wide range of subjects from human resource management to finance, operations, data analytics, and AI, we take this step forward to introduce public policy in management training at DoMS. Further, a specialization in Economics and Public Policy is essential for addressing the current challenges and matching the growing demand for public policy at the academic and industry levels. Hence, we propose a separate specialization in Economics and Public Policy in the Department of Management Studies in the MBA and PhD to complement the academic and social relevance of the emerging field. The proposed Economics and Public Policy specialization is a timely academic and social need.

Relevance to MBA: The proposed specialization will be helpful for MBA graduates cum future managers to shape their idea and business decision to tackle the dynamic and complex environment. It would be beneficial to understand the policies, regulatory frameworks, and public governance more robustly. Further, the interplay between the business, macroeconomic conditions, environmental problems, and welfare programs cannot be ignored. Hence, offering this specialization in MBA would strengthen the understanding of the markets accurately and prepare the graduates as capable managers and policymakers.

Relevance to PhD: At the PhD level, this specialization will enable PhD scholars to conduct high-impact research on Economics and Public Policy. This will engage them with real-world challenges, contributing to building theoretical frameworks and empirical modelling to mitigate them. Further, this specialization will help to develop interdisciplinary finance and sustainability research. Overall, this proposed specialization will be a catalyst for policy-relevant research.

The major objective is to equip the students with advanced knowledge and skills in Economics and Public Policy and promote interdisciplinary and policy-oriented research.

3. Curriculum Structure for MBA

A. **Core Courses:** All the First Year Common Courses for MBA

B. **Elective Courses:** The students can opt for the courses from the basket below.

Course Code	Course Title	Credits	Term
BML-583	Money and Central Banking	1.5	5/6/7
BML-598	Financial Crisis Management	1.5	5/6/7
Needs Approval	Basic Econometrics	1.5	5/6/7
Needs Approval	International Trade	1.5	5/6/7
Needs Approval	Behavioural Insights and Public Policy	1.5	5/6/7
Needs Approval	Public Economics and Policy	1.5	5/6/7
Needs Approval	Public Policy for Climate Change	1.5	5/6/7
BMN-657	<i>Game Theory for Strategic Advantage</i>	1.5	4/5/6/7
BMN-621	<i>Spreadsheet Modelling</i>	1.5	4/5/6/7
BMN-622	<i>Business Analytics</i>	1.5	4/5/6/7

Note: BMN-657 (Game Theory for Strategic Advantage), BMN-621 (Spreadsheet Modelling), and BMN-622 (Business Analytics) are currently approved for Specialization in Operations and IS area and can be considered for dual specialization in Economics and Public Policy.

The PhD candidates can consider the above-listed courses for their coursework completion.

C. **Project/Dissertation:** Supervised Project in the Area of Economics and Public Policy for MBA

4. Eligibility Criteria:

For MBA (Similar to Department Criteria: CAT)

For PhD (MA/M.Sc. in Economics with NET/JRF/GATE)

5. Expected Outcomes Prospects:

- Specialization:** From the specialization point of view, MBA graduates can choose Economics and Public Policy for their first specialization. Further, the proposed area would complement the Finance and Operations Area for dual specialization.
- PhD and Research:** It will attract PhD candidates to pursue research and promote interdisciplinary and policy-oriented research.
- Institute Level:** The proposed area would enhance interdisciplinary research with other departments and centres like Humanities and Social Sciences and the upcoming Centre for Regulatory Affairs.

6. Faculty Expertise:

Name	Area of Specialization
Prof. Sujata Kar	Macroeconomics, Monetary Economics, Gender Issues
Prof. Rakesh Padhan	Open Macroeconomics, Time Series Econometrics

7. Conclusion

The Economics and Public Policy Area is an emerging specialization. Many Business Schools, including the Indian Institute of Management, have Economics and Public Policy as a specialization, area, group, or full-fledged department. For Instance, IIM Bangalore (Economics Area and Centre for Public Policy), IIM Ahmedabad (Economics Area and JSW School of Public Policy), IIM Calcutta (Economics Area and Public Policy and Management Group), IIM Kozhikode (Economics Area). IIM Lucknow (Economics and Business Environment Area) is widely known. Further among IITs, IIT Bombay has Economics and Public Policies as a Research Area, while IIT Delhi has the Economics Area. Needless to say, a large number of globally recognized universities and institutions also offer specialized degrees in Economics and Public Policy or Policy Making. In line with this trend, we proposed to expand DoMS' endeavour to prepare future managers with knowledge and expertise in the field of public policy. Without a doubt, we are yet to begin with the first steps towards specialization. Hence, it is time to move forward with this proposed specialization at DoMS, IIT Roorkee.


20 MAR 2026

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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

NAME OF Department/Center/School: Management Studies

Subject Code:

Course Title: Basic Econometrics

L-T-P: 3-0-0

Credits: 1.5

Subject Area: PEC

Course Outlines: Introduction to econometrics; Formulation of econometric modelling; Review of basic concepts; simple and multiple regression; properties of OLS estimator; statistical inference and hypothesis testing; problems of multicollinearity, omitted variables and parameter stability; spline function, categorical variables, logit models, multinomial logit models; stationarity and unit root testing; cointegration and testing for cointegration; modelling cointegrated systems

NAME OF Department/Center/School: Management Studies

Subject Code:

Course Title: International Trade

L-T-P: 3-0-0

Credits: 1.5

Subject Area: PEC

Course Outlines: Introduction: Globalization; Trade and Standard of Living; International flow of Goods, Services, Labor and Capital; Current International Economic Problems and Challenges; Theories of International Trade; The Basis for and Gains from Trade; Terms of Trade; Economic Growth and International Trade; Trade Restrictions and Tariffs; Non-Tariff Trade Barriers and New Protectionism; Balance of Payments; Exchange Rate Determination; The International Monetary System – World Bank and IMF; Past, Present and Future

NAME OF Department/Center/School: Management Studies

Subject Code:

Course Title: Behavioural Insights and Public Policy

L-T-P: 3-0-0

Credits: 1.5

Subject Area: PEC

Course Outlines: Definition of behavioural economics; Why behavioural economics? Concepts of heuristics & biases; Broadening of Rationality – effects and their definitions; Introduction to Prospect Theory – prospects & the phases of the process; Mental accounting – components, evaluations, budgeting, policy implications; Intertemporal choice models – discounted utility models, hyperbolic discounting, time inconsistency; Social preferences – altruism, inequality aversion, reciprocity; Behavioural games – ultimatum game, dictator game, punishment game, public goods game

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

NAME OF Department/Center/School: Management Studies

Subject Code: XXXX Course Title: Public Economics and Policy

L-T-P: 2-0-0 Credits: 1.5 Subject Area: PEC

Course Outlines: Introduction to Public Economics; Public Goods and Externalities; Pigouvian Taxes and Subsidies; Taxation: Principles and Types; Indian Tax Structure; Public Expenditure: Theories and Challenges; Public Debt and Fiscal Sustainability: Problems and Issues; Public Expenditure Management: FRBM Act; Fiscal Policy in India; Centre-State Financial Relation.

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

NAME OF Department/Center/School: Management Studies

Subject Code: XXXX Course Title: Public Policy for Climate Change

L-T-P: 2-0-0 Credits: 1.5 Subject Area: PEC

Course Outlines: Introduction to Climate Change: Basic Concepts; Importance of Climate Change; Climate Change Policy: Tools and Instruments; Carbon Credits; The Kyoto Protocol and Paris Agreement; Climate Change Regulatory Frameworks: National Action Plan on Climate Change (NAPCC); Net-Zero Targets: Challenges and Issues.


20 MAR 2026



Senate Meeting
(February 18, 2026)

Prof. Naveen K. Navani,
Dean of Academic Affairs

Progresses of
Academic
Processes at
IIT Roorkee



Pedagogy Workshop



-25-



Designed Task force for Use of AI and AR/VR Tools in Pedagogy and making policy for ethical use of AI by faculty and students in IIT Roorkee.



Workshop on "The Art and Science of Learning and Teaching," focusing on the pedagogical, andragogical, and heutagogical approaches to education.



Slow Pace : Semester-wise Info

Result Session & Semester	Student moved out from Slow Pace	Total students under Slow Pace
Autumn 2023-24	5	74
Spring 2023-24	9	62
Autumn 2024-25	3	93
Spring 2024-25	11	81
Autumn 2025-26	12	76 max

The number of students moving out of Slow Pace has increased in recent sessions, reaching the highest value (12) in Autumn 2025-26.

Active Research Scholars: After the Respective Convocations

Convocation	<5 years	>5yrs & <6yrs	>6yrs & <7yrs	>7yrs	Grand Total
2024	2750	212	59	31	3052
2025 (Current)	3288	83	27	16	3414

Min

I I T ROORKEE

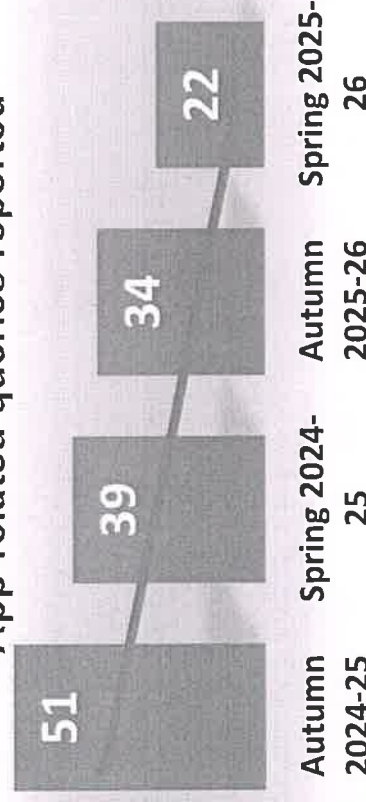
Attendance APP: Dynamic monitoring of student attendance



👍 Increase in no. of faculty members using the Attendance App



👍 Decrease in the number of Attendance App-related queries reported



❖ Revamping of the attendance APP

- Provision to add attendance manually (if the student faces an issue with their device)
- Reporting of the same device use by different students
- Disabling of location-change apps when the attendance app is active
- Reporting of using different devices by the same student.

❖ Ease of use

- Takes a few minutes for a big class size
- On-site staff is available in LHC for assistance.
- WhatsApp no is displayed in every class for on-the-spot resolution of any dispute.
- Provision to manually upload the attendance for any day later if the faculty forgets their device, etc.

❖ A centralized biometric attendance system for PhD scholars is currently being set up across all departments/centres/school.

Academic Portals' Usage Data



Increase in the number of students having more than 75% attendance

Session	Semester	Attendance >75% Yes
2024-25	Autumn	66%
2024-25	Spring	63%
2025-26	Autumn	70%

(** As reported by faculty members)

- Faculty members were given the option to verify online attendance and report students having more than 75% till last semester. (This data is used for faculty feedback)

In Spring 2025-2026, this option will not be provided.

Faculty members are supposed to use APP or upload classwise attendance on the portal for dynamic and true monitoring of students' attendance.



Decrease in the number of faculty members who declared their attendance policy on the portal

Session	Semester	Attendance Policy reported
2024-25	Autumn	41%
2024-25	Spring	47%
2025-26	Autumn	35%
2025-26	Spring	25%

- Attendance is mandatory, and faculty members can allocate up to 10 marks for attendance. However, they should declare their marking criterion in the class and **on the AIS portal under "attendance policy."**, so that students cannot claim ignorance later.
- In spite of several reminders, the trend to declare the attendance policy is decreasing.

Highlights

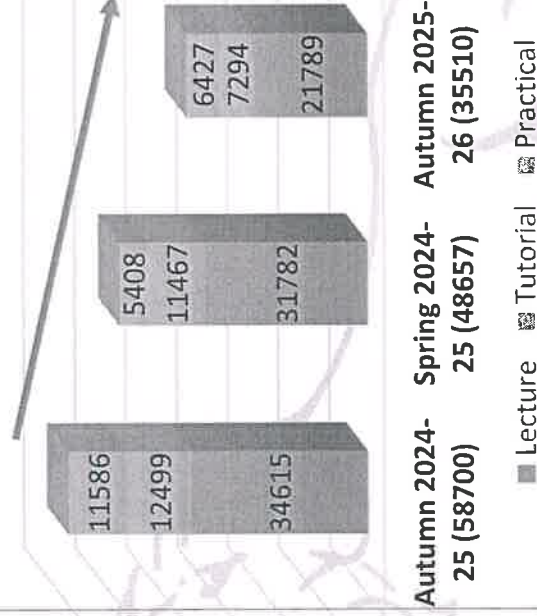


UFM cases reported

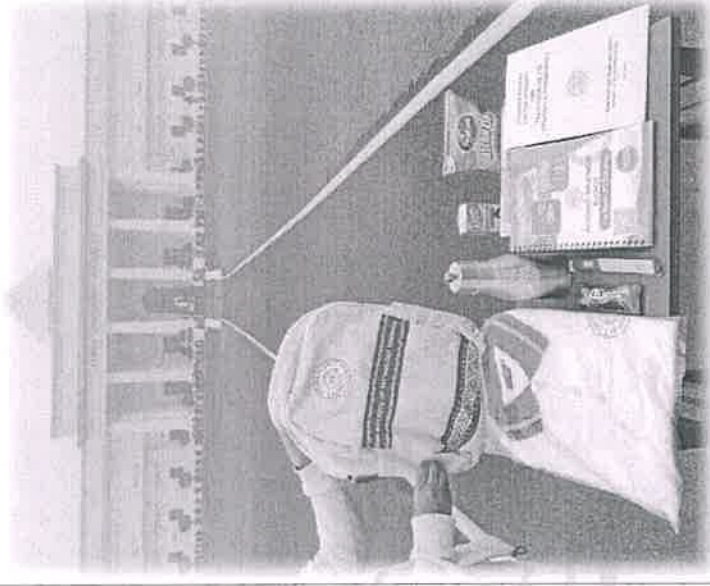
Academic Year	UFM Count
2024-25	52
2023-24	24
2022-23	30

- Enhanced Robustness of Examination Processes
- Reporting of UFM cases
- Continual improvement in Academic Portals
- Swift disposal of Student Grievances
- Efforts to integrate departments' participation in Academic Processes
- Focus on NEP2020 outreach activities
- Striving to enhance the IIT ROORKEE brand value
- Full implementation of revised UG/PG curricula

Feedback RESPONSES submitted BY STUDENTS



Worrying trend: students not filling out the feedback form!!



Outreach Activities

20 MAR 2026

**DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code : XXX M.Tech. (Structural Engineering)
 Department : Department of Civil Engineering
 Year : I
 Model : 2

**Appendix 'C'
Item No. Senate / 108.10**

Teaching Scheme									
S.No.	Subject Code	Course Title	Subject Area	Credits	Contact Hours/Week			Exam Duration	
					L	T	P	Theory	Practical
Semester-I (Autumn)									
1.	CEC-543	Advanced Concrete Design	PCC	4	3	0	2	3	0
2.	CEC-561	Continuum Mechanics	PCC	3	3	0	2/2	3	0
3.	CEC-563	Structural Dynamics	PCC	3	3	0	2/2	3	0
4.	CEC-565	Behavior & Design of Steel Structures	PCC	3	3	0	2/2	3	0
5.	CEC-567	Finite Element Analysis	PCC	3	3	0	2/2	3	0
6.		Social Science Course	SSC	2	-	-	-	-	-
		Total		18					
Semester-II (Spring)									
1.		Program Elective-I	PEC	4	-	-	-	-	-
2.		Program Elective-II	PEC	4	-	-	-	-	-
3.		Program Elective-III	PEC	4	-	-	-	-	-
4.		Program Elective-IV	PEC	4	-	-	-	-	-
5.		Science, Technology, and Advanced Research-tools	STAR	3	-	-	-	-	-
6.	CEC-700	Seminar	SEM	2	-	-	-	-	-
		Total		21					

DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code : XXX M.Tech. (Structural Engineering)
 Department : Department of Civil Engineering
 Year : II
 Model : 2

Teaching Scheme						Contact Hours/Week		Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
Semester-I (Autumn)									
1.	CEC-691	Internship Social Activity	ISA	3	-	-	-	-	-
2.	CEC-701A	Thesis Stage-I	THESIS	10	-	-	-	-	-
		Total		13					
Semester-II (Spring)									
1.	CEC-701B	Thesis Stage-II	THESIS	14	-	-	-	-	-
		Total		14					

Summary				
Semester	1	2	3	4
Semester-wise Total Credits	18	21	13	14
Total Credits	66			

M.Tech. (Structural Engineering)

Program Elective Courses

		Teaching Scheme			Contact Hours/Week			Exam Duration	
		Subject Code	Course Title	Subject Area	Credits	L	T	P	
1.	CEL-538	Tall Buildings		PEC	4	3	0	2	3 0
2.	CEL-539	Advanced Concrete Technology		PEC	4	3	0	2	3 0
3.	CEL-642	Analysis and Design of Bridges		PEC	4	3	0	2	3 0
4.	CEL-644	Analysis and Design of Plates and Shells		PEC	4	3	0	2	3 0
5.	CEL-647	Condition Assessment and Retrofitting of Structures		PEC	4	3	0	2	3 0
6.	CEL-649	Fracture Mechanics in Quasi-Brittle Materials		PEC	4	3	1	0	3 0
7.	CEL-650	Design of Bridge Substructure		PEC	4	3	0	2	3 0
8.	CEL-651	Wind Engineering		PEC	4	3	0	2	3 0
9.	CEL-652	Mechanics of Composites		PEC	4	3	1	0	3 0

Science, Technology, and Advanced Research-tools Basket

		Teaching Scheme			Contact Hours/Week			Exam Duration	
		Subject Code	Course Title	Subject Area	Credits	L	T	P	
1.	CET-501	Nonlinear Finite Element Analysis		STAR	3	3	0	0	3 0
2.	CET-502	Advanced Characterization of Sustainable Building Materials		STAR	3	3	0	0	3 0
3.	CET-504	Introduction to the Theories of Inelasticity		STAR	3	3	0	2/2	3 0
4.	CET-505	Engineering Design Optimization and Reliability		STAR	3	3	0	2/2	3 0

**DEPARTMENT OF POLYMER AND PROCESS ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code : XXX M.Sc. in Polymer Science
Department : Department of Polymer and Process Engineering
Year : I
Model : 1-A

Appendix 'D'

Item No. Senate / 108.11

Teaching Scheme									
Course Title				Credits		Contact Hours/Week		Exam Duration	
S.No.	Subject Code		Subject Area		L	T	P	Theory	Practical
Semester-I (Autumn)									
1.	PEC-521	Polymer Chemistry-I	PCC	4	3	1	2/2	3	0
2.	PEC-523	Polymer Characterization Techniques-I	PCC	3	3	0	2/2	3	0
3.	PEC-525	Properties of Macromolecules	PCC	3	2	0	2	3	0
4.	PEC-527	Polymer Composites & Blends	PCC	2	2	0	0	2	0
5.	PEC-529	Polymer Recycling & Waste Management	PCC	3	3	0	0	3	0
6.	PEC-531	Polymer Characterization Techniques-II	PCC	2	2	0	2/2	2	0
7.		Social Science Course	SSC	2	-	-	-	-	-
		Total		19					
Semester-II (Spring)									
1.	PEC-522	Polymer Rheology	PPI	3	2	0	2/2	3	0
2.	PEC-524	Sustainable Polymeric Materials & Biopolymers	PPI	3	3	0	0	3	0
3.	PEC-526	Polymer Electrochemistry & Applications in Renewable Energy	PPI	3	3	0	2/2	3	0
4.	PEC-528	Polymer Physics	PPI	2	2	0	0	2	0
5.	PEC-530	Industrial Polymers	PPI	4	3	1	0	3	0
6.		Science, Technology, and Advanced Research-tools	STAR	3	-	-	-	-	-
7.	PEC-700	Seminar	SEM	2	-	-	-	-	-
		Total		20					

**DEPARTMENT OF POLYMER AND PROCESS ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code : XXX M.Sc. in Polymer Science
 Department : Department of Polymer and Process Engineering
 Year : II
 Model : 1-A

		Teaching Scheme			Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
Semester-I (Autumn)									
1.	PEC-691	Internship Social Activity	ISA	3	-	-	-	-	-
2.	PEC-533	Polymer Chemistry-II	PPI	3	3	0	0	3	0
3.		Program Elective-I	PPI	4	3	1	0	3	0
4.		Program Elective-II	PPI	4	3	1	0	3	0
5.		Program Elective-III	PPI	4	3	1	0	3	0
6.	PEC-601	Project Stage-I	PROJECT	4	-	-	-	-	-
		Total		22					
Semester-II (Spring)									
1.	PEC-602	Project Stage-II	PROJECT	12	-	-	-	-	-
		Total		12					

Summary				
Semester	1	2	3	4
Semester-wise Total Credits	19	20	22	12
Total Credits	73			

M.Sc. in Polymer Science

Program Elective Courses

		Teaching Scheme			Contact Hours/Week			Exam Duration	
		Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory Practical
1.	PEL-531		Fiber and Textile Technology	PEC	4	3	1	0	3 0
2.	PEL-532		Polymer Modelling and Simulation	PEC	4	3	1	0	3 0
3.	PEL-533		Polymer Network	PEC	4	3	1	0	3 0
4.	PEL-534		Adhesive and Coatings	PEC	4	3	1	0	3 0
5.	PEL-535		AI Assisted Polymer Technology	PEC	4	3	1	0	3 0
6.	PEL-536		Soft Macromolecules for Advanced Applications	PEC	4	3	1	0	3 0
7.	PEL-537		Elastomeric Science	PEC	4	3	1	0	3 0
8.	PEL-539		Biomedical Applications of Polymers	PEC	4	3	1	0	3 0
9.	PEL-540		Emulsion Polymers and Surface Coating Science	PEC	4	3	1	0	3 0

Science, Technology, and Advanced Research-tools Basket

		Teaching Scheme			Contact Hours/Week			Exam Duration	
		Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory Practical
1.	PET-501		Polymers for Advanced Applications	STAR	3	3	0	0	3 0
2.	PET-502		Membrane Fabrication & Applications	STAR	3	3	0	0	3 0

Programme wise Minimum Educational Qualification for M.Tech./M.Arch./M.U.R.P. Admission 2026-27 onwards

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
1	Architecture and Planning (ARD)	10	M.Arch.	AR	B.Arch. or its equivalent in relevant discipline.
		11	M.U.R.P.	AR/CE	B.Arch. or its equivalent in relevant discipline or Bachelor's degree in Civil Engineering/ B.Planning
2	Hydro and Renewable Energy (HRE)	12	M.Tech. Renewable and Hydro Energy	CE/AG/CH/EE/EC/M E/PI/XE/IN	Bachelor's degree in Civil/Electrical/ Mechanical/ Instrumentation/ Industrial/ Chemical/Electronics/ Computer/ Agricultural/ Environmental Engineering or equivalent in relevant discipline.
		13	M.Tech. Environmental Management of Rivers and Lakes	CE/AG/CH/EE/ME/PI /XE/AR/CY/BT/PH/M A/XL/EY/ES	Bachelor's degree in Civil/Electrical/ Mechanical/ Industrial/ Chemical/ Agriculture/ Environmental Engineering/ Biotechnology/Arch. /Town Planning or its equivalent in relevant discipline or Master in Science in any subject with Mathematics at graduation level.
3	Chemical Engineering (CHD)	14	M.Tech. Chemical Engineering	CH	B.Tech./B.E. in Chemical Engineering/ Chemical Technology/ Allied disciplines
4	Civil Engineering (CED)	16	M.Tech. Environmental Engineering	CE/CH/ES	Bachelor's degree in Civil Engineering/Chemical Engineering/Environmental Engineering or equivalent in relevant discipline.
		17	M.Tech. Geospatial Engineering	CE/GE/AR/CS/EC/E E /AG/MN	Bachelor's degree in Civil Engineering/ Electronics Engineering/Electrical Engineering/ Computer Science/ Information Technology/ Marine Engineering/Mining Engineering/ Agricultural Engineering/ Communication Engineering/Geomatics Engineering/ Architecture or equivalent in relevant discipline /MCA

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
5	Earthquake Engineering (EQD)	18	M. Tech. Geotechnical Engineering	CE	Bachelor's degree in Civil Engineering/ Infrastructure/ Construction Engineering or equivalent in relevant discipline.
		19	M. Tech. Hydraulic Engineering	CE	Bachelor's degree in Civil Engineering or equivalent in relevant discipline.
		20	M. Tech. Structural Engineering	CE	Bachelor's degree in Civil Engineering or its equivalent in relevant discipline.
		21	M. Tech. Transportation Engineering	CE	Bachelor's degree in Civil Engineering or its equivalent in relevant discipline.
		22	M. Tech. Soil Dynamics	CE	Bachelor's degree in Civil/Structural Engineering or equivalent in relevant discipline.
6	Electrical Engineering (EED)	23	M. Tech. Structural Dynamics	CE	Bachelor's degree in Civil/Structural Engineering or equivalent in relevant discipline.
		24	M. Tech. Seismic Vulnerability and Risk Assessment	CE	Bachelor's degree in Civil/Structural Engineering or equivalent in relevant discipline.
		25	M. Tech. Electric Drives and Power Electronics	EE	Bachelor's degree in Electrical Engineering or its equivalent in relevant discipline.
		26	M. Tech. Advanced Instrumentation and Artificial Intelligence	EE/EC/IN	Bachelor's degree in Electrical/Electronics and Communication/ Instrumentation Engineering or its equivalent in relevant discipline.
7	Electronics and Communication Engineering (ECD)	27	M. Tech. Power System Engineering	EE	Bachelor's degree in Electrical Engineering or its equivalent in relevant discipline.
		28	M. Tech. Systems and Control	EE/EC/IN	Bachelor's degree in Electrical Engineering or Electronics and Communication/ Instrumentation Engineering or its equivalent in relevant discipline.
		56	M. Tech. Electric Vehicle Technology	EE	B.Tech (Electrical Engineering) or equivalent in relevant discipline.
		29	M. Tech. Communication Network and Signal Processing	EC/EE/IN	Bachelor's degree in Electronics and Communication Engineering or its equivalent in relevant discipline.
		30	M. Tech. R.F. and Microwave Engineering	EC/EE/PH/IN	Bachelor's degree in Electronics and Communication Engineering/Electrical Engineering/Instrumentation/ Engineering Physics. or its equivalent in relevant discipline.

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
8	Computer Science and Engineering (CSD)	31	M.Tech. Microelectronics and VLSI	EC/PH/EE/IN	Bachelor's degree in Electronics and Communication Engineering/Electrical Engineering/Instrumentation Engineering or its equivalent in relevant discipline, Or M.Sc. (Physics); M.Sc. (Electronics).
		58	M.Tech. Terahertz Communication and Sensing	EC/PH/EE/IN	B.E., B.Tech. in ECE, EE, Engineering Physics or equivalent in relevant discipline; Or M.Sc. (Physics), M.Sc. Electronics /Electronic Science).
		59	M.Tech. Semiconductor Technology	EC/PH/EE/IN	Bachelor's degree in B.Tech. (Electronics and Communication Engineering/ Engineering Physics/ Electrical/ Instrumentation or its equivalent in relevant discipline. OR M.Sc. (Physics/ Electronics/ Applied Physics/ Photonics/ Engineering Physics) or equivalent in relevant discipline.
9	Hydrology (HYD)	32	M.Tech. Computer Science and Engineering	CS	B.E./B.Tech. degree in Computer Science and Engineering/ Data Science and Artificial Intelligence/ Mathematics and Computing or equivalent in relevant discipline.
		33	M.Tech. Hydrology	CE/AG/GE/DA/XE/G G/PH/ES	Bachelor's degree in Civil/ Agricultural Engineering/ Hydrology/ Geomatics Engineering/ Data Science and Artificial Intelligence/ Environmental Engineering or equivalent in relevant discipline. OR M.Sc./M.Tech. (Master's) degree in Geology/ Geophysics/ Applied Geology/Applied Geophysics/ Physics/ Meteorology/ Geography/ Atmospheric Physics/Environmental Science with Mathematics in B.Sc. (Bachelor's) course as one of the subjects. OR M.Sc. (Master's) degree in Statistics with Physics or Mathematics at B.Sc. (Bachelor's) level or its equivalent in relevant discipline. OR M.Sc. degree in Mathematics with Physics in B.Sc. or its equivalent in relevant discipline .

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
11	Mechanical and Industrial Engineering* (MED)	34	M.Tech. Mechanical and Industrial Engineering	ME/PI/AE	AMIE (Civil) with B.Sc. or Engineering Diploma qualifications with at least 3 years research/teaching /other professional experience in responsible capacities Bachelor's degree in Mechanical/ Industrial/ Production Engineering/ Mechatronics/Aerospace Engineering, Manufacturing Engineering or its equivalent in relevant discipline.
	* Students will be admitted in M.Tech. Mechanical and Industrial Engineering After 1st semester, students have option to choose the following specializations, subject to fulfilling the eligibility criteria decided by the department: a. Robotics and Automation; b. Mechanical System Design; c. Production and Industrial Systems Engineering; d. Fluid and Thermal Engineering; e. Additive and Joining Technologies				
12	Metallurgical and Materials Engineering (MTD)	39	M.Tech. Industrial Metallurgy	MT/AE/BT/CH/CY/E S/ME/MN/PH/PI/TF/ XE	B.Tech. degree in Metallurgy/ Materials/ Mechanical/Production / Mining/ Chemical/ Biotechnology/ Ceramics/ Polymer/ Textile/ Aerospace Engineering or equivalent in relevant discipline. OR M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent in relevant discipline.
		40	M.Tech. Materials Engineering	MT/AE/BT/CH/CY/E S/ME/MN/PH/PI/TF/ XE	B.Tech. degree in Metallurgy/ Materials / Mechanical/ Mining/ Production/ Chemical/ Biotechnology/ Ceramics/ Polymer/ Textile/ Aerospace Engineering or equivalent in relevant discipline. OR M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent in relevant discipline.
		62	M.Tech. Computational Materials Engineering	MT/AE/BT/CH/CS/C Y/DA/ES/ ME/ MN/ PH/PI/ TF/XE	B.Tech. Degree in Metallurgy/ Materials/ Mechanical/ Production / Mining/ Computer Science/ Chemical/ Biotechnology/ Ceramics / Polymer/ Textile/ Aerospace Engineering or equivalent in relevant discipline. OR M.Sc. degree in Physics/ Chemistry/ Materials Science/ Environmental/ Nanotechnology or equivalent.

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
13	Paper and Packaging Technology (PPD) Saharanpur Campus	41	M.Tech. Pulp and Paper Technology	CH/ME/ES/BT/TF/XE/XL/AG/PE/PI/EY	Bachelor's degree in Pulp and Paper Engineering/ Chemical Engineering/ Mechanical Engineering/ Polymer Engineering/ Cellulose Technology/ Biotechnology/Environmental Engineering Textile and Fibre Engineering/Production and Industrial Engineering/ Agricultural Engineering/ or equivalent in relevant discipline. Note: The two years post B.Sc. diploma awarded by the IPT/ DPT plus a minimum of two years relevant experience in Industry/ Research Organization will be considered equivalent to a B.Tech./B.E. degree
		42	M.Tech. Packaging Technology	CH/ME/ES/BT/TF/XE/XL/AG/PE/PI/EY/CY	M.Sc. in Chemistry (PCM at B.Sc. level)/ Polymer Science (PCM at B.Sc. level) OR B.Tech. in Pulp and Paper Technology / Biotechnology/ Chemical Engineering Chemical Technology/ Polymer Engineering/ Process Engineering/ Mechanical Engineering/ Production Engineering/ Packaging Tech. / Printing Technology/ Textile Technology/Agricultural Engineering/ PG Diploma in Packaging/ Biochemical Engineering
14	Water Resources Development and Management (WRD)	43	M.Tech. Irrigation Water Management	CE/AG	Bachelor's degree in Civil Engineering or its equivalent in relevant discipline / Agricultural Engineering OR M.Sc. Agriculture in Agronomy, Soil Science, Agrometeorology, with Mathematics as one of the papers at the level of B.Sc./B.Sc. Agriculture.
		44	M.Tech. Water Resources Development	CE/EE/ME	Bachelor's degree in Civil/ Electrical/ Mechanical or equivalent in relevant discipline.
15	Physics (PHD)	45	M.Tech. Drinking Water and Sanitation	CE/AG/ES/AR/CH/ME	Bachelor's degree in Engineering in any one of the following – Civil/ Environmental/ Mechanical/ Agricultural/ Chemical/ B.Arch. and Planning or equivalent in relevant discipline.
		46	M.Tech. Solid State Electronic Technology	PH/EE/EC/MT	B.Tech. (Engineering Physics)/M.Sc. (Physics)/ Bachelor's degree in Electrical/ Electronics/ Metallurgical Engineering or its equivalent in relevant discipline.
		47	M.Tech. Photonics	PH/EE/EC/MT/IN	M.Sc. (Physics/ Electronics/ Applied Physics/ Photonics/ Engineering Physics), B.Tech. (Engineering Physics/ Electronics/ Communication/ Electrical/ Instrumentation/ materials/ Metallurgy/ Nanotechnology).

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
16	Nanotechnology (NTC)	48	M.Tech. Nanoscience and Nanotechnology	AE/AG/BM/BT/CE/CH/CY/EC/EE/ES/IN/ME/MN/MT/NM/PH/PI/XE/XL	B.Tech. (Met. and Mat. Engineering/Mech. Engineering/EandC/ Electronics/ Electrical/ Chemical Engineering/ Biotechnology/ Civil/ Biochemical Engineering/ Biomedical Engineering/ Bioengineering/ Polymer Engineering/ Industrial Technology/ Pharmaceutical Technology/ Industrial Biotechnology/ Nanotechnology) or equivalent in relevant discipline; OR M.Sc. (Physics/ Chemistry/ Biotechnology/ Life Science/ nanotechnology), with Maths at 10+2 or higher level.
17	Disaster Mitigation and Management (DMC)	49	M.Tech. Disaster Mitigation and Management	CE/GE/ME/PI/CS/CH/AR/GG/ PH/MA/XL/XE/EY/BT	B.Tech. (Civil, Structural, Mechanical, Industrial, Chemical Engineering and Biotechnology /Computer Science and Engineering or equivalent in relevant discipline; OR B.Arch. and B. Planning, OR M.Tech. in Geological Technology and Geophysical Technology or equivalent in relevant discipline, OR M.B.A.; M.C.A.; M.Sc. in Physics/ Geophysics/ Geology/ Mathematics, Computer Science, Environmental Sciences, or equivalent in relevant discipline (with Maths in B.Sc.).
18	Transportation Systems (TSC)	50	M.Tech. Transportation Systems Management	CE/AR/CS/GE/ME/PI/BT/CH/DA/EC/EE/ES/IN/NM/XE/XH/PE/AE	B.E./B.Tech. (Civil/ Geomatics Engineering/ Mechanical and Industrial/ Electrical/ Chemical Engineering/ Electronics and Communication Engineering/ Computer Science and Information Technology/ Artificial Intelligence and Data Science/Environmental Science/Naval Architecture and marine Engineering/Aerospace Engineering/B.Arch./ B.Planning/B.Design/ Automobile Engineering/Mechatronics Engineering or equivalent in relevant discipline.
19	Biosciences and Bioengineering (BBD)	51	M.Tech. Biomanufacturing	BT/XE/CH/CS/ME/ES	B.E./B.Tech. or equivalent (4-year program) in any engineering discipline with mathematics in class 12 th standard exam.

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
		61	M.Tech. Structural and Computational Biology	CS/DA/BM/BT/XL/M A/PH/XE	B.E./B.Tech. or equivalent (4-year program) in any engineering discipline with mathematics in class 12 th standard. or Masters in any discipline with mathematics in class 12 th standard.
20	Polymer and Process Engineering (PPE) Saharanpur Campus	52	M.Tech. Polymer Science and Engineering	CH/XE/CY/ME/PE/PI /TF/MT/PH	Bachelor's degree in Polymer Science and Engineering/ Material Science and Engineering/ Chemical Engineering/ Mechanical Engineering/ Textile and Fibre Technology or equivalent in relevant discipline OR M.Sc. Chemistry/ Physics with Mathematics at bachelors level
21	Mehta Family School of Data Science and Artificial Intelligence (MFS)	53	M.Tech. Artificial Intelligence	CS/EC/EE/MA/CE/IN /ME/PH/ST/GE/DA	B.E./B.Tech. or equivalent degree in any Engineering Discipline or Integrated M.Sc. (5 years) or equivalent degree in any Engineering Science or relevant discipline
		54	M.Tech. Data Science	CS/EC/EE/MA/CE/ME/ST/DA/AE/BM/BT/ CH/MT/GE/IN/PH/ PI	B.E./B.Tech. or equivalent degree in any Engineering Discipline or Integrated M.Sc. (5 years) or equivalent degree in any Engineering Science or relevant discipline
10	International Centre of Excellence for DAMS (ICD)	55	M.Tech. Dam Safety and Rehabilitation	CE	B.Tech./B.E. or equivalent degree in Civil Engineering
22	Applied Mathematics and Scientific Computing (AMS) Saharanpur Campus	57	M.Tech. Applied Mathematics and Scientific Computing	MA/ST/CS/EE/EC/X E/DA	B.E./B.Tech. or equivalent degree in Computer Science/ Electrical/Electronics and Communication Engineering/ Data Science / Artificial Intelligence or equivalent in relevant discipline. OR M.Sc./Integrated M.Sc or equivalent degree in mathematics/ statistics/ operations research/ Data Science / Artificial Intelligence or equivalent in relevant discipline.

Sl. No	Academic Department/ Centre/ School and (Code)	Academic Programmes		Eligible GATE Disciplines	Minimum Educational Qualifications
		Code	Name		
23	Centre for Space Science and Technology (SSC)	60	M.Tech. Space Science and Technology	EC/PH/CY/MA/AE/M E/PI/EE/MT/CE/ GG	Four-year Bachelor's degree or five-year integrated degree in Electronics and Communication/Electronics/Engineering Physics/ Aerospace Engineering/Mechanical Engineering /Production and Industrial Engineering/Electrical Engineering/ Instrumentation Engineering/ Metallurgical and Materials Engineering /Civil Engineering/ Geophysical technology/ Geological technology OR M.Sc. in Physics/ Electronics/ Atmospheric Science / Chemistry/ Mathematics/ Earth Sciences (Geology/ Applied Geology/ Geophysics) with Mathematics at graduation level
24	Centre for Sustainable Energy	63	M.Tech. Sustainable Energy Engineering	AE/AG/AR/BM/BI/C E/CH/CS/CY/DA/EC/ EE/ES/EY/GE/GG/IN /MA/ME/MN/MT/NM/ PE/PH/PI/ST/TF/XE/ XH/XL	B.Tech./BE degree in Engineering Physics, Mechanical, Electronics and Communication, Materials Science and Engineering, Computer Science, Electrical, Chemical, Nanotechnology, Biotechnology or allied engineering disciplines OR M.Sc. in Physics, Chemistry, Bioscience (or equivalent)

Appendix 'F'
Item No. Senate / 108.16

Seat Matrix for M.Sc. Admission through JAM 2026

S.No	Deptt	Programme	Code	Paper code	Gen (Non-Pwd)	Gen (Pwd)	EWS (Non-Pwd)	EWS (Pwd)	OBC (Non-Pwd)	OBC (Pwd)	SC (Non-Pwd)	SC (Pwd)	ST (Non-Pwd)	ST (Pwd)	Programme Wise Intake
1	Earth Sciences	M.Sc. Applied Geology	1801	GG	7	1	2	0	5	0	3	0	1	0	19
2	Chemistry	M.Sc. Chemistry	1802	CY	17	1	4	0	11	1	7	0	3	0	44
3	Humanities and Social Sciences	M.Sc. Economics	1803	EN	5	0	1	1	4	0	1	0	1	0	13
				MA	4	0	1	0	3	0	2	0	1	0	11
				MS	2	0	0	0	1	0	1	0	0	0	4
4	Mathematics	M.Sc. Mathematics	1804	MA	16	0	3	1	11	0	6	0	2	1	40
5	Physics	M.Sc. Physics	1805	PH	11	1	3	0	9	0	4	0	2	0	30
6	Bioscience and Bioengineering	M.Sc. Bioscience and Bioengineering	1806	BT	13	1	4	0	9	0	5	0	2	1	35
Total Intake															196

Note: If PwD candidate is not available then the seat will be allotted to the candidate of respective category. Seats of PwD category are not over and above the sanctioned intake. The above seat distribution is done in order to maintain the total intake (196)
PwD seat are 5% horizontal and followed by category wise rotation

Appendix 'G'
Item No. Senate / 108.16

Seat Matrix for M.Tech./M.Arch./MURP Admission 2026-27

Deptt. S.No	Academic Department/ Centre & (Code)	Prog. S.No.	Academic Programmes	Code	Main Gate Discipline(s) and seats					Other GATE Discipline(s) and seats					PD 5% horizontal	Spl. Was Intake	Total seats in Dept/Centre/School
			Name		GATE Discipline Code	UR	GEN-EWS	OB	SC	ST	GATE Discipline Code	UR	GEN-EWS	OB	SC	ST	
1	Architecture and Planning (ARD)	1	M.Arch	10	AR(17)	7	2	4	2	2	-						17
		2	M.U.R.P.	11	AR(15)	6	1	4	3	1	CE(2)	1	0	1	0	0	17
2	Hydro and Renewable Energy (HRE)	3	M.Tech. Renewable and Hydro Energy	12	CE/AG/CH/EE/EC/ME/PI/XE/IN (21)	9	2	6	3	1							21*
		4	M.Tech. Environmental Management of Rivers and Lakes	13	CE/AG/CH/EE/ME/PI/XE/AR/CY/BI/PH/MA/XL/EY/ES (8)	3	1	2	1	1							8
3	Chemical Engineering (CHD)	5	M.Tech. Chemical Engineering	14	CH(50)	20	5	13	8	4	-						50
4	Civil Engineering (CED)	6	M.Tech. Environmental Engg.	16	CE(11)	4	1	3	2	1	CH/ES(2)	1	0	1	0	0	13
		7	M.Tech. Geospatial Engg.	17	CE/GE(12)	5	1	3	2	1	AR/CS/EC/EE/AG/IN(6)	2	1	2	1	0	18
		8	M.Tech. Geotechnical Engg.	18	CE(10)	4	1	3	1	1							10
		9	M.Tech. Hydraulic Engg.	19	CE(8)	3	1	2	1	1							8
		10	M.Tech. Structural Engg.	20	CE(26)	10	3	7	4	2							26
		11	M.Tech. Transportation Engg.	21	CE(13)	6	1	3	2	1							13
		12	M.Tech. Soil Dynamics	22	CE(12)	5	1	3	2	1							12
		13	M.Tech. Structural Dynamics	23	CE(22)	9	2	6	4	1							22
5	Earthquake Engineering (EQD)	14	M.Tech. Seismic Vulnerability and Risk Assessment	24	CE(10)	4	1	3	1	1							10
6	Electrical Engineering (EED)	15	M.Tech. Electric Drives & Power Electronics	25	EE(15)	6	2	4	2	1							15
		16	M.Tech. Advanced Instrumentation and Artificial Intelligence	26	EE(7)	2	1	2	1	1	EC/IN(8)	4	1	2	1	0	15
		17	M.Tech. Power System Engg.	27	EE(15)	6	2	4	2	1							15
		18	M.Tech. Systems and Control	28	EE(12)	5	1	3	2	1	EC/IN(5)	2	1	1	1	0	17
		19	M.Tech. Electric Vehicle Technology	56	EE(15)	6	2	4	2	1							15
7	Electronics and Communication Engineering (ECD)	20	M.Tech. Communication Network and Signal Processing	29	EC/EE/IN(10)	4	1	3	1	1							10
		21	M.Tech. R.F. & Microwave Engg.	30	EC/EE/PH/IN(8)	3	1	2	1	1							8
		22	M.Tech. Microelectronics and VLSI	31	EC/PH/EE/IN(23)	9	2	6	4	2							23
		23	M.Tech. Terahertz Communication and Sensing	58	EC/PH/EE/IN(7)	3	1	1	1	1							7
		24	M.Tech. Semiconductor Technology	59	EC/PH/EE/IN(13)	5	1	4	2	1							13
8	Computer Science and Engineering (CSD)	25	M.Tech. Computer Science & Engg	32	CS(37)	15	4	10	5	3							37
9	Hydrology (HYD)	26	M.Tech. Hydrology	33	CE/AG(24)	10	2	7	4	1	GE/DA/XE/GG/PH/ES(5)	2	1	1	0	1	29
10	Mechanical and Industrial Engineering (MED)	27	M.Tech. Mechanical and Industrial Engg	34	ME/PI/AE (64)	26	6	17	10	5							64
11	Metallurgical and Materials Engineering (MTD)	28	M.Tech. Industrial Metallurgy	39	MT/AE/BI/CH/CY/ES/ME/MN/PH/PI/TF/XE (7)	3	1	1	1	1							7
		29	M.Tech. Materials Engg.	40	MT/AE/BI/CH/CY/ES/ME/MN/PH/PI/TF/XE (7)	3	1	1	1	1							7
		30	M.Tech. Computational Materials Engineering	62	MT/AE/BI/CH/CS/CY/DA/ES/ME/MI/PH/PI/TF/XE(15)	6	2	4	2	1							15
12	Paper and Packaging Technology (PPD) Saharanpur Campus	31	M.Tech. Pulp & Paper Technology	41	CH/ME/ES/BI/TF/XE/XL/AG/PE/PI/EY (11)	4	1	3	2	1							11
		32	M.Tech. Packaging Technology	42	CH/ME/ES/BI/TF/XE/XL/AG/PE/PI/EY/CY (8)	3	1	2	1	1							8
13	Water Resources Development and Management (WRD)	33	M.Tech. Irrigation Water Management	43	CE/AG(10)	4	1	3	1	1							10
		34	M.Tech. Water Resources Development	44	CE (7)	3	1	2	1	0	EE/ME (6)	2	0	2	1	1	13
		35	M.Tech. Drinking Water and Sanitation	45	CE/AG/ES/AR/CH/ME(10)	4	1	3	1	1							10
14	Physics (PHD)	36	M.Tech. Solid State Electronic Technology	46	PH/EE/EC/MT(7)	2	1	2	1	1							7
		37	M.Tech. Photonics	47	PH/EE/EC/MT/IN(7)	2	1	2	1	1							7
15	Nanotechnology (NTC)	38	M.Tech. Nanoscience & Nanotechnology	48	AE/AG/BI/MT/CE/CH/CY/EC/EE/ES/IN/ME/MN/MT/NM/PH/PI/XE/XL(8)	4	1	2	1	1							9
16	Disaster Mitigation and Management (DMC)	39	M.Tech. Disaster Mitigation and Management	49	CE/GE(5)	2	1	1	1	1	ME/PI/CS/CH/AR/GG/PH/MA/XL/XE/EY/BI/TF(6)	4	0	3	1	0	14
17	Transportation Systems (TSC)	40	M.Tech. Transportation Systems Management	50	CE/AR/CS/GE/ME/PI/BI/CH/DA/EC/EE/ES/IN/NM/XE/XH/PE/AE (15)	6	2	4	2	1							15
18	Biosciences and Bioengineering (BBD)	41	M.Tech. Biomaterials Engineering	51	BT/XE/CH/CS/ME/ES (15)	6	2	4	2	1							15
		42	M.Tech. Structural and Computational Biology	61	CS/DA/BI/MT/XL/MA/PH/XE (15)	6	2	4	2	1							15
19	Polymer and Process Engg (PPE), Saharanpur Campus	43	M.Tech. Polymer Science and Engg	52	CH/XE(9)	4	1	2	1	1	CY/ME/PE/PI/TF/MT/PH (13)	5	1	4	2	1	22
20	Mehta Family School of Data Science and Artificial Intelligence (MFS)	44	M.Tech. Artificial Intelligence	53	CS/EC/EE (14)	6	1	4	2	1	MA/CE/IN/ME/PH/ST/GE/DA (6)	2	1	1	1	1	20
		45	M.Tech. Data Science	54	CS/EC/EE/MA/CE/ME/ST/DA (14)	6	1	4	2	1	AE/BI/MT/BI/CH/MT/GE/IN/PH/PI(6)	2	1	2	1	0	20
21	International Centre for Excellence for Dams (ICED)	46	M.Tech. Dam Safety and Rehabilitation	55	CE (12)	5	1	3	2	1							12
22	Applied Mathematics and Scientific Computing (AMS), Saharanpur Campus	47	M.Tech. Applied Mathematics and Scientific Computing	57	MA/ST/CS/EE/EC/XE/DA (20)	8	2	5	3	2							20
23	Centre for Space and Science Technology	48	M.Tech. Space Science and Technology	60	EC/PH/CY/MA/AE/ME/PI/EE/MT/CE/EG(15)	6	2	4	2	1							15
24	Centre for Sustainable Energy	49	M.Tech. Sustainable Energy Engineering	63	AE/AG/AR/BI/MT/CE/CH/CS/CY/DA/EC/EE/ES/EY/GE/GG/IN/MA/ME/MN/MT/NM/PE/PH/PI/ST/TF/XE/XH/XL (15)	6	2	4	2	1							15
		Total				294	78	193	107	61		27	7	20	9	4	800

* Included 5 seats of MNRE



Appendix 'H'**Item No. Senate / 108.16****UG Seat Matrix for the Session 2026-27****Programmes through JoSAA**

Sl. No.	Programme Name	Seats approved during 2025-26	Seats for 2026-27
1.	B. Tech Biosciences and Bioengineering (4-year Bachelor of Technology)	46	46
2.	B. Tech Chemical Engineering (4-year Bachelor of Technology)	117	117
3.	B. Tech Civil Engineering (4-year Bachelor of Technology)	154	154
4.	B.Tech. Computer Science and Engineering (4-year Bachelor of Technology)	109	109
5.	B.Tech. Electrical Engineering (4-year Bachelor of Technology)	165	165
6.	B.Tech. Electronics and Communication Engineering (4-year Bachelor of Technology)	109	109
7.	B.Tech. Engineering Physics (4-year Bachelor of Technology)	50	50
8.	B.Tech. Mechanical Engineering (4-year Bachelor of Technology)	150	150
9.	B.Tech. Metallurgical and Materials Engineering (4-year Bachelor of Technology)	82	82
10.	B.Tech. Production and Industrial Engineering (4-year Bachelor of Technology)	58	58
11.	Bachelor of Architecture (5-year Bachelor of Architecture)	30	30
12.	M.Tech. (Geological Technology) (5-year Integrated Master of Technology)	38	38
13.	M.Tech. (Geophysical Technology) (5-year Integrated Master of Technology)	41	41
14.	BS-MS (Mathematics and Computing) {5-year (4+1) Dual Degree}	49	49
15.	BS-MS (Chemical Sciences) {5-year (4+1) Dual Degree}	35	35
16.	BS-MS (Physics) {5-year (4+1) Dual Degree}	27	27
17.	BS-MS (Economics) {5-year (4+1) Dual Degree}	33	33
18.	B.Tech. in Data Science & Artificial Intelligence (4-year Bachelor of Technology)	40	40
19.	B. Tech in Energy Engineering (4-year Bachelor of Technology)	20	20
Total		1353	1353
Programmes through other Exams (UCEED)			
20.	B. Design (4-year Bachelor of Design)	20	20
Grand Total of UG seats		1373	1373

Appendix 'I'
Item No. Senate / 108.17

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

STRUCTURE OF FEES / CHARGES

B.Sc. - B.Ed.

Particulars	Autumn	Spring
I. Semester Fees (To be paid every Semester)		
1. Institute Fees		
(a) Tuition Fees – Gen/Gen-EWS/OBC	30000	30000
(b) Tuition Fees – SC/ST/PWD	0	0
2. Semester charges		
(a) Student Establishment & Maintenance	7000	7000
(b) Medical Insurance	1500	0
(c) Career Development Cell (CDC)	300	300
(d) Miscellaneous	2500	2500
Total (a+b+c+d)	11300	9800
3. Hostel Charges (Per Semester)		
(a) Accommodation	5000	5000
(b) Electricity*	2500	2500
Total (a+b)	7500	7500
II. One time payments at the Time of Admission	6000	0
III. Deposits (Refundable)		
(a) Institute Caution Deposit	1000	0
(b) Library Deposit	2000	0
Total (a+b)	3000	0
IV. Mess Charges		
(a) Mess Advance towards Food Charges**	21750	21750
(b) One Time Mess Admission Fee	4000	0
(c) Mess Security (Refundable)	2000	0
Total (a+b+c)	27750	21750
Grand Total for Gen/Gen-EWS/OBC	85550	69050
Grand Total for SC/ST/PD	55550	39050

NOTE:

- * This is the minimum charge for Bachelor Hostel. For married accommodation charges will be as per actual.
- ** Mess Advance towards food charges is subject to adjustment as per actual.
- In case of conversion from Dining & Residing to Non-dining & Non-residing after the fee submission than the accommodation and electricity charge will not be refundable.


20 MAR 2026

Appendix 'J'**Item No. Senate / 108.17**

DEPARTMENT OF SCIENCE EDUCATION
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

B.Sc.- B.Ed. in Chemistry (Secondary Stage)

Credit Structure

S.N.	Components	Credit
1	Student Induction Program (Two-week Induction Program)	Non-Credit
2	Foundations in Education + Basic Sciences Courses	30 (28+06)
3	Disciplinary/Interdisciplinary courses	64 (PCC 44+PEC 24 =68)
4	Ability Enhancement and Value-Added courses	28 (22)
5	Stage-specific content-cum-pedagogy	16 (16)
6	School Experience	20 (18)
7	Community Service	02 (02)
	Total	160 (160)
	Additional 18-20 credits for Minor in Other Discipline	178-180

Teaching Scheme

Year	Credits		
	Autumn Semester	Spring Semester	Year-wise
I	22	20	42
II	24	22	46
III	20	20	40
IV	22	10	32
Grand Total			160 (160)
Total with Minor Specialization Courses	Additional 18-20 credits (mentioned in the parentheses)		178-180

Non-Credit Elements (NCE)

S. N.	Components	Maximum	Minimum	Comments
1	Discipline (DIS)	16	8	To be evaluated by DoSW
2	NCC/NSS/NSO	8	4	To be evaluated by DoSW
3	Internship (INT)	24	8	1 week internship= 1 unit (To be coordinated by Departments/Centres/School)
4	Participation in professional development programs by experts (PPD-1 & PPD-2)	8	4	To be coordinated by Departments/Centres/School (2 nd , and 3 rd Years)
Minimum non-credit to be earned: 24				



20 MAR 2026

Teaching Scheme					Contact Hours/Week			Exam Duration (Hrs.)			Relative Weight (%)			
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-I (Autumn)														
1	EDI-101	Language -I (Sanskrit)	AE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDI-103	Understanding India: Indian Ethos and Knowledge Systems	AE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
3	EDI-105	Art Education & Creative Expressions	AE	2	0	0	4	0	2	-	50	-	-	50
4	EDI-107	Evolution of Indian Education	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5	EDB-101	Basic Mathematics	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-
6	EDB-103	Basics of Physics	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-
7	EDC-111	Computer Programming	PC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
			Total	22										
Semester-II (Spring)														
1	EDI-102	Language -II (English for Communication)	AE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDI-104	Teacher and Society	AE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
3	EDB-102	Mathematical and Quantitative Reasoning	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-
4	EDC-112	Organic Chemistry	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5	EDC-114	Inorganic Chemistry	PC	4	3	0	2	3	2	10-25	25	15-25	30-40	-
6	EDI-106	Environmental & Sustainable Science (Education for Sustainable Development)	AE	3	2	1	0	3	0	20-35	-	20-30	40-50	-
			Total	20										

Teaching Scheme														
					Contact Hours/Week			Exam Duration (Hrs.)			Relative Weight (%)			
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-III (Autumn)														
1	EDI-201	Child Development and Educational Psychology	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDI-203	Data Sciences	FE	4	3	0	2	3	0	10-25	25	15-25	30-40	-
3	EDC-211	Organic Reaction Mechanism	PC	4	3	0	2	3	2	10-25	25	15-25	30-40	-
4	EDC-213	Physical Chemistry-I	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5	EDC-215	Transition Metal Chemistry	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6	EDI-205	Content-Cum-Pedagogy of at Secondary Stage-1*	CP	4										
			Total	24										
Semester-IV (Spring)														
1	EDI-202	Philosophical & Sociological Perspectives of Education	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDC-212	Organic Spectroscopy	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDC-214	Chemical Equilibria and Electrochemistry	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDC-216	Physical Chemistry-II	PC	4	3	0	2	3	2	10-25	25	15-25	30-40	-
5	EDI-204	Inclusive Education	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
6	EDI-206	Content-Cum-Pedagogy at Secondary Stage-1**	CP	4										
			Total	22										

*Basics of Pedagogy; ** Advanced Pedagogy for all regardless of subject.

20 MAR 2026

Program Code : B.Sc.-B.Ed. (Chemistry)				Department : SCIENCE EDUCATION				Year : III			
Teaching Scheme				Contact Hours/Week			Exam Duration (Hrs.)		Relative Weight (%)		
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	Theory	Practical	PRS	MTE	ETE
Semester-V (Autumn)											
1	EDC-311	Molecular Spectroscopy	PC	4	3	0	3	2	25	15-25	30-40
2	EDL-XXX	PEC-1	PE	4	3	1	3	0	-	20-30	40-50
3	EDL-XXX	PEC-2	PE	4	3	1	3	0	-	20-30	40-50
4	EDC-303	Seminar/Practical {Pre-internship Practice (Demonstration lessons, peer teaching)}	SE	2	0	0	-	-			
5	EDC-305	Content-Cum-Pedagogy at Secondary Stage-1#	CP	4							
6	EDI-301	Assessment and Evaluation	FE	2	2	0	2	0	-	20-30	40-50
		Total		20							


 20 MAR 2026

Semester-VI (Spring)												
1	EDC-312	Organometallic and Bioinorganic Chemistry	PC	4	3	1	3	0	-	20-30	40-50	
2	EDL-XXX	PEG-3	PE	4	3	1	3	0	-	20-30	40-50	
3	EDL-XXX	PEG-4	PE	4	3	1	3	0	-	20-30	40-50	
4	EDC-314	Seminar/Practical (School Observation)	SE	2	0	0	-	-				
5	EDC-316	Content-Cum-Pedagogy at Secondary Stage-1##	CP	4								
6	EDC-318	AI/ML (ICT in Education)	AE	2	1	0	2	0	25	15-25	30-40	
			Total	20								
	MSC-1	Minor Specialisation Course-1	MS	4								
			Total	24								

Content-cum Pedagogy (Mathematics); ## Content-cum Pedagogy (Science)

20 MAR 2026

Program Code : B.Sc.-B.Ed. (Chemistry)

Department : SCIENCE EDUCATION

Year : IV

Teaching Scheme					Contact Hours /Week			Exam Duration (Hrs.)			Relative Weight (%)			
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-VII (Autumn)														
1	EDC-411	Project Stage -I (Internship in Teaching and School-based Research Project)	SE	10	-	-	-	-	-			100		
2	EDL-XXX	Programme Elective-V	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDL-XXX	Programme Elective-VI	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDI-401	Perspectives on School Leadership and Management	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
5	EDI-403	Curriculum Planning & Development	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
			Total	22										
	MSC-2	Minor Specialization Course-2	MS	4										
			Total	26										
Semester-VIII (Spring)														
1	EDC-412	Post Internship (Review and Analysis)	SE	2	-	-	-	-	-			100		
2	EDC-414	Project Stage -II (Creating Teaching Learning Material/Work Experience)	SE	2	-	-	-	-	-			100		
3	EDI-402	Emerging Technologies in Education	FE	4										
4	EDC-416	Community Engagement & Service	CE	2	-	-	-	-	-			100		
			Total	10										
	MSC-3	Minor Specialization Course-4	MS	4										
	MSC-4	Minor Specialization Course-5	MS	4										
	MSC-5	Minor Specialization Course-6	MS	4										
			Total	22										

Program Elective Courses (PECs) in Chemistry

Teaching Scheme									
S	Subject Code	Course Title	Subject Area	Credits	Contact Hours/Week			Exam Duration	
					L	T	P	Theory	Practical
1.	EDL-451	Polymer Chemistry	PEC	4	3	1	0	3	0
2.	EDL-452	Medicinal Chemistry	PEC	4	3	1	0	3	0
3.	EDL-453	Computational Chemistry	PEC	4	3	1	0	3	0
4.	EDL-454	Nano Science and Technology	PEC	4	3	1	0	3	0
5.	EDL-455	Material Chemistry	PEC	4	3	1	0	3	0
6.	EDL-456	Environmental Chemistry	PEC	4	3	1	0	3	0
7.	EDL-457	Structure, Bonding, Organic Chemistry	PEC	4	3	1	0	3	0
8.	EDL-458	Kinetics, Electro Chemistry and Surface Chemistry	PEC	4	3	1	0	3	0
9.	EDL-459	Macromolecules and Photochemistry	PEC	4	3	1	0	3	0
10.	EDL-460	Group Theory	PEC	4	3	1	0	3	0


 20 MAR 2026

Minor Specialization Courses in Chemistry

Sl. No.	Subject Code	Course Title	Semester	Credits
1.	EDC-112	Organic Chemistry	Spring	4
2.	EDC-213	Physical Chemistry-I	Autumn	4
3.	EDC-215	Transition Metal Chemistry	Autumn	4
4.	EDC-212	Organic Spectroscopy	Spring	4
5.	EDC-214	Chemical Equilibria and Electrochemistry	Spring	4
6.	EDC-312	Organometallic and Bioinorganic Chemistry	Spring	4


 20 MAR 2026

Appendix 'K'**Item No. Senate / 108.17**

DEPARTMENT OF SCIENCE EDUCATION
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

B.Sc.- B.Ed. in Mathematics (Secondary Stage)

Credit Structure

S. N.	Components	Credit
1	Student Induction Program (Two-week Induction Program)	Non-Credit
2	Foundations in Education + Basic Sciences Courses	30 (28+06)
3	Disciplinary/Interdisciplinary courses	64 (PCC 44+PEC 24 =68)
4	Ability Enhancement and Value-Added courses	28 (22)
5	Stage-specific content-cum-pedagogy	16 (16)
6	School Experience	20 (18)
7	Community Service	02 (02)
	Total	160 (160)
	Additional 18-20 credits for Minor in Other Discipline	178-180

Teaching Scheme

Year	Credits		
	Autumn Semester	Spring Semester	Year-wise
I	22	20	42
II	24	22	46
III	20	20	40
IV	22	10	32
Grand Total			160 (160)
Total with Minor Specialization Courses	Additional 18-20 credits (mentioned in the parentheses)		178-180

Non-Credit Elements (NCE)

S. N.	Components	Maximum	Minimum	Comments
1	Discipline (DIS)	16	8	To be evaluated by DoSW
2	NCC/NSS/NSO	8	4	To be evaluated by DoSW
3	Internship (INT)	24	8	1 week internship= 1 unit (To be coordinated by Departments/Centres/School)
4	Participation in professional development programs by experts (PPD-1 & PPD-2)	8	4	To be coordinated by Departments/Centres/School (2 nd , and 3 rd Years)
Minimum non-credit to be earned: 24				


20 MAR 2026

Teaching Scheme						Contact Hours/Week			Exam Duration (Hrs.)			Relative Weight (%)			
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE	
Semester-I (Autumn)															
1	EDI-101	Language -I (Sanskrit)	AE	4	3	1	0	3	0	20-35	-	20-30	40-50	-	
2	EDI-103	Understanding India: Indian Ethos and Knowledge Systems	AE	2	2	0	0	2	0	20-35	-	20-30	40-50	-	
3	EDI-105	Art Education & Creative Expressions	AE	2	0	0	4	0	2	-	50	-	-	50	
4	EDI-107	Evolution of Indian Education	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-	
5	EDB-101	Basic Mathematics	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-	
6	EDB-103	Basics of Physics	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-	
7	EDC-101	Computer Programming	PC	4	3	0	2	3	0	10-25	25	15-25	30-40		
			Total	22											
Semester-II (Spring)															
1	EDI-102	Language -II (English for Communication)	AE	4	3	1	0	3	0	20-35	-	20-30	40-50	-	
2	EDI-104	Teacher and Society	AE	2	2	0	0	2	0	20-35	-	20-30	40-50	-	
3	EDB-102	Mathematical and Quantitative Reasoning	BSC	3	2	1	0	3	0	20-35	-	20-30	40-50	-	
4	EDC-102	3D Analytical Geometry	PC	4	3	0	2	3	0	10-25	25	15-25	30-40	-	
5	EDC-104	Multivariate Calculus	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-	
6	EDI-106	Environmental & Sustainable Science Education for Sustainable Development	AE	3	2	1	0	3	0	20-35	-	20-30	40-50	-	
			Total	20											

Teaching Scheme					Contact Hours/Week			Exam Duration (Hrs.)			Relative Weight (%)			
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-III (Autumn)														
1	EDI-201	Child Development and Educational Psychology	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDI-203	Data Sciences	FE	4	3	0	2	3	0	10-25	25	15-25	30-40	-
3	EDC-201	Probability and Statistics	PC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
4	EDC-203	Abstract Algebra	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5	EDC-205	Real Analysis	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6	EDI-205	Content-Cum-Pedagogy of at Secondary Stage-1*	CP	4										
			Total	24										
Semester-IV (Spring)														
1	EDI-202	Philosophical & Sociological Perspectives of Education	FE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDC-202	Linear Algebra	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDC-204	Ordinary Differential Equations	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDC-206	Linear Programming	PC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
5	EDI-204	Inclusive Education	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
6	EDI-206	Content-Cum-Pedagogy at Secondary Stage-1**	CP	4										
			Total	22										

*Basics of Pedagogy; ** Advanced Pedagogy for all regardless of subject.

20 MAR 2026

Teaching Scheme				Contact Hours/Week			Exam Duration (Hrs.)		Relative Weight (%)					
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-V (Autumn)														
1	EDC-301	Partial Differential Equations	PC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	EDL-XXX	Programme Elective-I	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDL-XXX	Programme Elective-II	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDC-303	Seminar/Practical {Pre-internship Practice (Demonstration lessons, peer teaching)}	SE	2	0	0	4	-	-	100				
5	EDC-305	Content-Cum-Pedagogy at Secondary Stage-1#	CP	4										
6	EDI-301	Assessment and Evaluation	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
			Total	20										
Semester-VI (Spring)														
1	EDC-302	Numerical Analysis	PC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
2	EDL-XXX	Programme Elective-III	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDL-XXX	Programme Elective-IV	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDC-304	Seminar/Practical (School Observation)	SE	2	0	0	4	-	-	100				
5	EDC-306	Content-Cum-Pedagogy at Secondary Stage-1##	CP	4										
6	EDC-308	AI/ML (ICT in Education)	AE	2	1	0	2	2	0	10-25	25	15-25	30-40	-
			Total	20										
	MSC-1	Minor Specialisation Course-1	MS	4										
			Total	24										

Content-cum Pedagogy (Mathematics); ## Content-cum Pedagogy (Science)

20 MAR 2026

Teaching Scheme					Contact Hours/Week			Exam Duration (Hrs.)		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester-VII (Autumn)														
1	EDC-401	Project Stage -I (Internship in Teaching and School-based Research Project)	SE	10	-	-	-	-	-			100		
2	EDL-XXX	Programme Elective-V	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3	EDL-XXX	Programme Elective-VI	PE	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4	EDI-401	Perspectives on School Leadership and Management	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
5	EDI-403	Curriculum Planning & Development	FE	2	2	0	0	2	0	20-35	-	20-30	40-50	-
			Total	22										
	MSC-2	Minor Specialization Course-2	MS	4										
			Total	26										
Semester-VIII (Spring)														
1	EDC-402	Post Internship (Review and Analysis)	SE	2	-	-	-	-	-			100		
2	EDC-404	Project Stage -II (Creating Teaching Learning Material/Work Experience)	SE	2	-	-	-	-	-			100		
3	EDI-402	Emerging Technologies in Education	FE	4										
4	EDC-406	Community Engagement & Service	CE	2	-	-	-	-	-			100		
			Total	10										
	MSC-3	Minor Specialization Course-4	MS	4										
	MSC-4	Minor Specialization Course-5	MS	4										
	MSC-5	Minor Specialization Course-6	MS	4										
			Total	22										

Program Elective Courses (PECs) in Mathematics

Teaching Scheme					Contact			Exam	
					Hours/Week			Duration	
S	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
1.	EDL-401	Number Theory	PEC	4	3	1	0	3	0
2.	EDL-402	Complex Variables	PEC	4	3	1	0	3	0
3.	EDL-403	Discrete Mathematics	PEC	4	3	1	0	3	0
4.	EDL-404	Graph Theory	PEC	4	3	1	0	3	0
5.	EDL-405	Transform Techniques	PEC	4	3	1	0	3	0
6.	EDL-406	Integral Equations and Cal. Of Variations	PEC	4	3	1	0	3	0
7.	EDL-407	Numerical Optimization	PEC	4	3	1	0	3	0
8.	EDL-408	Measure Theory	PEC	4	3	1	0	3	0
9.	EDL-409	Functional Analysis	PEC	4	3	1	0	3	0
10.	EDL-410	Topology	PEC	4	3	1	0	3	0
11.	EDL-411	Mechanics	PEC	4	3	1	0	3	0

Minor Specialization Courses in Mathematics

Sl. No.	Subject Code	Course Title	Semester	Credits
1.	EDC-102	3D Analytical Geometry	Spring	4
2.	EDC-104	Multivariate Calculus	Spring	4
3.	EDC-201	Probability and Statistics	Autumn	4
4.	EDC-203	Abstract Algebra	Autumn	4
5.	EDC-202	Linear Algebra	Spring	4
6.	EDC-204	Ordinary Differential Equations	Spring	4
7.	EDC-206	Linear Programming	Spring	4

20 MAR 2026

Appendix 'L'
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ACADEMIC CALENDAR (AUTUMN SEMESTER 2026-27)
Item No. Senate / 108.18

For All Programs (Other than MBA)

S.N.	Details	Date	Day
1	Admission cum Academic Registration for new Ph.D. and Masters' students	14.07.2026	Tuesday
2	Academic Registration for existing students in physical mode	14.07.2026 15.07.2026	Tuesday - Wednesday
3	Orientation Program for new Ph.D. and Masters' students	15.07.2026	Wednesday
4	Commencement of Classes (except UG I year)	16.07.2026	Thursday
5	Re-examination and second examination (for Spring Semester 2025-26)	16.07.2026 -18.07.2026	Thursday - Saturday
6	Academic Registration for new UG students *	24.07.2026	Friday
7	Orientation Program – Newly Admitted UG Students	25.07.2026 -26.07.2026 01.08.2026 -02.08.2026	Saturday - Sunday
8	Commencement of Classes for UG I year *	27.07.2026	Monday
9	Last date for Academic Registration with a late fine	31.07.2026	Friday
10	Last date for adding/changing courses for all programs	03.08.2026	Monday
11	Last date for submission of mandatory documents for newly admitted students	27.08.2026	Thursday
12	Convocation 2026 #	19.09.2026 OR 26.09.2026	Saturday
13	Mid-Term Examinations (except Sunday)	10.09.2026 -15.09.2026	Thursday - Tuesday
14	Last date for informing the students about performance in MTE and internal assessment	28.09.2026	Monday
15	Submission of the feedback/response form - I on the online portal	28.09.2026 -01.10.2026	Monday - Thursday
16	Sangram 2026	03.10.2026 -04.10.2026	Saturday - Sunday
17	Last date for withdrawal of courses	05.10.2026	Monday
18	Thomso 2026	23.10.2026- 25.10.2026	Friday- Sunday
19	Submission of the feedback/response form - II on the online portal	05.11.2026 -11.11.2026	Thursday- Wednesday
20	Last date of teaching	11.11.2026	Wednesday
21	End Term Examinations (excluding Sunday and declared holidays)	13.11.2026 -24.11.2026	Friday - Tuesday
22	Institute Foundation Day	25.11.2026	Wednesday
23	Last date of showing the End Term Examinations answer scripts	01.12.2026	Tuesday
24	Last date of electronic communication of grades to students	03.12.2026	Thursday
25	Last date for students to apply for grade revision, if any	04.12.2026	Friday
26	Winter vacation for UG students (except IDD final Year)	05.12.2026 -06.01.2027	Saturday - Wednesday
27	Last date for the evaluation of Project/Thesis/Seminar for all programs	03.12.2026	Thursday
28	Last date for sending final grades to AAO	08.12.2026	Tuesday
29	Last date for the submission of Progress Reports (Ph.D. students) to the AAO	09.12.2026	Wednesday
30	Online Choices for branch change	10.12.2026 -14.12.2026	Thursday - Monday
31	Declaration of the final list of branch change (Tentative Date)	31.12.2026	Thursday
32	Admission cum Academic Registration for New Ph.D. Students	07.01.2027	Thursday
33	Academic registration of all existing students for Spring Semester 2026-27 in physical mode	07.01.2027 -08.01.2027	Thursday - Friday
34	Commencement of classes for Spring Semester 2026-27	11.01.2027	Monday
35	Re-examination and Second examination (for Autumn Semester 2026-27)	11.01.2027 -13.01.2027	Monday - Wednesday

*Subject to JoSAA Counseling

#The final date will be notified in due course.

Teaching days for Autumn Semester 2026-27
All Programs (Other than MBA)

	Months																								
Days	July			August					September					October				November				Less for MTE/ ETE/IFD/ Convocation/Thomso	Total Teaching days		
Mon		20	27		3	10	17	24	31		7	14	21	28		5	12	-	26	2	-	16	23	3	14
Tue		21	28		4	11	18	25		1	8	15	22	29		6	13	-	27	3	10	17	24	3	15
Wed		22	29		5	12	19	-		2	9	16	23*	30		7	14	21	28*	4	11	18	25	2	16-2*=14
Thu	16	23	30		6	13	20	27		3	10	17	24		1	8	15	22	29	5	-	19		2	15
Fri	17	24	31		7	14	21	-		-	11	18	25		-	9	16	23	30	6	13	20		3	12+2*=14
Sat				1	8	-	22				12	19			3	10		24			14	21			-
Total days	12 for others 5 for UG I year			18 for others 21 for UG I year					17					18 for others 19 for UG I year				07					72 for others 69 for UG I year		

Event / Non-Teaching day

Examinations

*Time-Table Rescheduling (for all programs)

September 23, 2026	Wednesday	Fridays' Time Table
October 28, 2026	Wednesday	Fridays' Time Table

Compensatory classes (only for UG I year courses)

August 1, 2026	Saturday	Monday's Time Table
August 8, 2026	Saturday	Thursdays' Timetable
August 22, 2026	Saturday	Fridays' Time Table
October 10, 2026	Saturday	Fridays' Time Table

Feedback/Response Form - I

September 28 – October 01, 2026

Convocation 2026

September 19/26, 2026

Mid Term Examination

September 10 – 15, 2026

Sangram 2026

October 3 – 4, 2026

Thomso 2026

October 23 – 25, 2026

Feedback/Response Form - II

November 5 – 11, 2026

Last Date of Teaching

November 11, 2026

End Term Examination

November 13 – 24, 2026

List of Holidays

Independence Day	15.08.2026	Saturday
Id-e-Milad (Prophet Mohammad's Birthday)*	26.08.2026	Wednesday
Raksha Bandhan	28.08.2026	Friday
Janamashtami	04.09.2026	Friday
Mahatma Gandhi's Birthday	02.10.2026	Friday
Mahashtami	19.10.2026	Monday
Mahanavmi/Dussehra (Vijaydashmi)	20.10.2026	Tuesday
Diwali (Deepavali)	08.11.2026	Sunday
Govardhan Puja	09.11.2026	Monday
Guru Nanak's Birthday	24.11.2026	Tuesday
Christmas Day	25.12.2026	Friday

*Subject to change in the visibility of the moon.

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ACADEMIC CALENDAR (AUTUMN SEMESTER 2026-27)

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 for MBA students (Term 1)	06.07.2026	Monday		
2.	Orientation programme – Newly admitted MBA Students (By the department)	07.07.2026-13.07.2026	Tuesday-Monday		
3.	Academic Registration for Term-5 in physical mode	14.07.2026-15.07.2026	Tuesday-Wednesday		
4.	Commencement of Classes	16.07.2026	Thursday	21.09.2026	Monday
5.	Re-examination and Second examination for Term 4 & 8 (Session 2025-26)	16.07.2026-18.07.2026	Thursday - Saturday		
6.	Last date for Academic Registration with a late fine	31.07.2026	Friday	-	-
7.	Last date for adding/changing courses	03.08.2026	Monday	05.10.2026	Monday
8.	Last date for submission of mandatory documents for newly admitted students, if any	27.08.2026	Thursday	-	-
9.	Last date for withdrawal of courses	01.09.2026	Tuesday	05.11.2026	Thursday
10.	Convocation (2026)#	19.09.2026 OR 26.09.2026	Saturday		
11.	Submission of the feedback/response form on the online portal	03.09.2026-09.09.2026	Thursday-Wednesday	05.11.2026-11.11.2026	Thursday-Wednesday
12.	Last date of teaching	08.09.2026	Tuesday	11.11.2026	Wednesday
13.	End Term Examinations (excluding Sunday)	10.09.2026-16.09.2026	Thursday-Wednesday	13.11.2026 - 24.11.2026	Friday - Tuesday
14.	Term Break	17.09.2026-20.09.2026	Thursday-Sunday		
15.	Institute Foundation Day			25.11.2026	Wednesday
16.	Last date of showing the End Term Examinations answer scripts	28.09.2026	Monday	01.12.2026	Tuesday
17.	Last date of electronic communication of grades to students	30.09.2026	Wednesday	03.12.2026	Thursday
18.	Last date for students to apply for grade revision, if any	01.10.2026	Thursday	04.12.2026	Friday
19.	Sangram 2026	03.10.2026-04.10.2026	Saturday-Sunday		
20.	Last date for sending final grades to AAO	05.10.2026	Monday	08.12.2026	Tuesday
21.	Re-examination and Second examination for Term 1 & 5	06.10.2026 - 08.10.2026	Tuesday - Thursday	-	-
22.	Winter Vacation	-	-	05.12.2026-06.01.2027	Saturday-Wednesday
23.	Thomso 2026	23.10.2026-25.10.2026	Friday-Sunday		
24.	Registration of Terms 3 & 7 (Session 2026-27) in physical mode	-	-	07.01.2027-08.01.2027	Thursday - Friday
25.	Commencement of classes for Terms 3 & 7	-	-	11.01.2027	Monday

The final date will be notified in due course.

Teaching days for Autumn Semester 2026-27

For MBA

	Months																							
Days	July			August					September			Total Teaching days	September			October				November				Total Teaching days
Mon		20	27	3	10*	17	24	31		7	14	8-1*=7	21	28		5	12	-	26	2	-	16	23	6
Tue		21	28	4	11	18*	25		1	8	15	8-1*=7	22	29		6	13	-	27	3	10	17	24	7
Wed		22	29	5	12	19	-		2	-	16	6+1*=7	23	30		7	14	21	28	4	11	18	25	8
Thu	16	23	30	6	13	20	27		3	10	-	7	24		1	8	15	22	29	5	-	19		7
Fri	17	24	31	7	14	21	-		-	11	-	6+1*=7	25		-	9	16	23	30	6	13	20		5+1=6
Sat										12	19	-			3	10		24			14	21		-
Total days	12			18					5			35	8		19				7				34	

Event /Non-Teaching day

Examinations

*Time-Table Rescheduling (for all the classes)

August 10, 2026

Monday

Wednesdays' Time Table

August 18, 2026

Tuesday

Fridays' Time Table

Compensatory Classes for MBA Programme

October 10, 2026

Saturday

Fridays' Time Table

Term 1 & 5

Feedback/Response Form

September 03 – 09, 2026

Last Date of Teaching

September 08, 2026

End Term Examination

September 10 – 16, 2026

Term Break

Sep 17– Sep 20, 2026

Sangram 2026

October 03 – 04, 2026

Thomso 2026

October 23 – 25, 2026

Term 2 & 6

Feedback/Response Form

November 5 – 11, 2026

Last Date of Teaching

November 11, 2026

End Term Examination

Nov. 13 – Nov. 24, 2026

List of Holidays

Independence Day	15.08.2026	Saturday
Id-e-Milad (Prophet Mohammad's Birthday)*	26.08.2026	Wednesday
Raksha Bandhan	28.08.2026	Friday
Janamashtami	04.09.2026	Friday
Mahatma Gandhi's Birthday	02.10.2026	Friday
Mahashtami	19.10.2026	Monday
Mahanavmi/Dussehra (Vijaydashmi)	20.10.2026	Tuesday
Diwali (Deepavali)	08.11.2026	Sunday
Govardhan Puja	09.11.2026	Monday
Guru Nanak's Birthday	24.11.2026	Tuesday
Christmas Day	25.12.2026	Friday

*Subject to change in the visibility of the moon

Appendix 'M'
Item No. Senate / 108.21

**MINUTES OF THE MEETING OF REVISION IN ELIGIBILITY CRITERIA FOR PH.D.
 ADMISSION UNDER EXTENSIVE PROFESSIONAL EXPERIENCE (EPE) SCHEME**

The following were present in the meeting:

- | | |
|--|-------------|
| 1. Prof. Vivek Kumar Malik, Dean, SRIC, | Chairperson |
| 2. Prof. Meenakshi Rawat, ADAA- ITS & Admission, | Member |
| 3. Prof. Pradeep Srivastava, ADAA – Evaluation, | Member |

Prof. Falguni Patnaik, ADAA- Curriculum, Member, could not attend the meeting.

The meeting of the committee was held on 10.11.2025 at 4:00 p.m. in the office of Dean, SRIC, to review the admission guidelines under Extensive Professional Experience (EPE) Scheme.

The Committee deliberated on the existing eligibility and admission criteria for Ph.D. admission under the EPE Scheme, and after detailed discussions, the Committee finalised the admission guidelines, and the proposed draft notification is enclosed as **Annexure-1**.

The meeting ended with a vote of thanks by the Chairperson.


 (ADAA, ITS & A)


 (ADAA, Curriculum)


 (ADAA, Evaluation)


 (Dean, SRIC)


 20 MAR 2026

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ADMISSION OFFICE**

Draft Notification

No. IITR/PG Admn./2025/

Dated: Dec. , 2025

The Senate approved guidelines vide item no. ---- towards PhD admission under Extensive Professional Experience are given below:

1. Candidates working only in government organisations (Pay Level 13 or above)/laboratories, PSUs (DGM or Pay Level E7 or equivalent/higher), and reputed companies should be considered.

Eligibility criteria should be as follows:

Candidate having M.Tech. / M.Arch. / M.U.R.P. / M.Pharm. / MS (Research) / Post-Graduate degree in Medical Sciences / Equivalent degree with at least 14 years of professional experience.

OR

Candidate having B.Tech./ B.Arch./ MBA / M.Sc. / B.Pharm / Graduate degree in Medical Sciences / equivalent degree with at least 16 years of professional experience.

2. Candidate recruited by UPSC to Indian Administrative Service (IAS)/ Indian Police Service(IPS)/ Indian Foreign Service (IFS)/ Indian Forest Service(IfoS)/ Indian Engineering Service (IES) /Indian Defence Estates Service (IDES) and have completed at least 10 years after such appointment to the respective service are eligible to apply under this category.
3. Candidates should have demonstrated research potential through research papers in reputed journals/patents/ technology or product developed or transferred/handling of project experience in leadership.
4. A faculty member can have a maximum of 2 scholars under this category.
5. The number of Pre-PhD course credit requirement would be as recommended by the SRC as per extant PhD ordinance except Seminar for which a presentation/online interaction has to be conducted in the subject domain of the candidate. Further, the credit requirement can be completed in the form of project/dissertation/seminar, NPTEL online courses in the form of satisfactory/unsatisfactory. For other matters not mentioned in this notification or otherwise, the PhD regulations/ordinance will be the same as applicable to the part-time candidates.
6. There would be no residency requirements for such candidates.
7. Applications in this category can be made throughout the year to the office of Head of the concerned Department. The application should clearly mention the preferred area of work and choice of supervisor (if any). The candidate would be asked to give a

presentation of his professional credentials in the concerned Department. The Head of the Department will seek inputs on the application from the faculty members working in the concerned area. The name of the proposed supervisor, along with the recommendations of the complete DRC with at least one additional faculty member of the same specialisation as a special invitee, should be sent to the office of DAA.

The selection would be recommended on the basis of interaction by the following 3-member committee:

- | | | |
|--|---|----------|
| 1. Dean Academic Affairs | - | Chairman |
| 2. Dean SRIC | - | Member |
| 3. External expert (to be nominated by DAA)- | | Member |

The final approval on the recommendations will be accorded by the Chairman, Senate.

Sd/-

Assistant Registrar (Admission)

Praveen

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20 MAR 2026

The details of the Ph.D. admission procedure under 'Extensive Professional Experience Scheme' are given below:

1. The candidate needs to submit their application on the admission portal which will be visible to the concerned HoD / HoC. The application should include identified/proposed area of research work, facilities for carrying out the research work, etc.

The following documents must be attached with the admission application:

- a. NOC from the parent organization / institute.
 - b. Detailed resume with qualification and experience (supported with documents).
 - c. Self-attested copy of all the educational qualification.
 - d. Copy of the papers published in the reputed journals, if any.
 - e. Details and copy of the Patents (s) or application submitted for Patentship, if any.
 - f. Documents related to Transfer of Technology (TOT), if any.
 - g. Service particulars of the candidate from the present organization and previous organization(s), if any issued in the official letter-head. Service particulars should incorporate year-wise details of designation / post(s) held by the candidate.
2. Candidates shall be called by the concerned Department / Centre for presentation before the extended Department Research Committee (DRC) / Centre Research Committee (CRC)/ School Research Committee (ScRC). Presently, online presentation can be conducted.
 3. On recommendation of the said DRC / CRC/ScRC, the candidate will be required to appear for an Interaction before the designated committee.
 4. Offer letter for Ph.D. admission shall be issued after the final approval of the competent authority.

Sd/-

Assistant Registrar (Admission)

Pradeep

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20 MAR 2026

Appendix 'N'
Item No. Senate / 108.22

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
1	19920002	Amit Mathur	Mechanical and Industrial Engineering	ROLLING ELEMENT BEARING FAULT DIAGNOSIS USING DATA DRIVEN TECHNIQUES	Prof. Suraj Prakash Harsha	Prof. Pradeep Kumar		12.12.2025	22.12.2025
2	18910047	Pavan Kumar	Civil Engineering	EFFECT OF ELEVATED TEMPERATURES ON TRANSPORT PROPERTIES OF SELF COMPACTING CONCRETE	Prof. U. K. Sharma	Prof. Danie Roy A. B		29.12.2025	6.01.2026
3	18911001	Abdul Kadir	Computer Science and Engineering	EFFICIENT FEATURE REDUCTION AND HYBRID MODELING FOR ANDROID MALWARE DETECTION	Prof. P. Sateesh Kumar			12.01.2026	29.01.2026
4	18918011	Abhishek Kumar Srivastava	Management Studies	IMPACT OF MARKETER GENERATED CONTENT ON DIGITAL CUSTOMER ENGAGEMENT AND PURCHASE INTENTION: A CEM PERSPECTIVE	Prof. Rajat Agrawal			24.10.2025	14.11.2025
5	21910060	Abhitesh Sachdeva	Civil Engineering	FEASIBILITY STUDY OF GEOPOLYMER-TREATED BASE STABILIZED USING FULL DEPTH RECLAMATION TECHNIQUE	Prof. G. D. Ransinchung R. N			15.01.2026	20.01.2026
6	18903027	Abir Lal Mukherjee	Biosciences and Bioengineering	IDENTIFYING THE EVOLUTION OF BETA-LACTAMASE TOWARD ANTIMICROBIAL RESISTANCE	Prof. Saugata Hazra			14.10.2025	16.10.2025
7	19914027	Akash C Babu	Electrical Engineering	CONDITION MONITORING OF INDUCTION MOTOR DRIVES USING HYBRID SCHEMES	Prof. Jeevanand S			29.10.2025	13.11.2025
8	20911014	Akshay Singh	Computer Science and Engineering	PERSONALIZED FAIR CLIENT SELECTION FOR FEDERATED LEARNING	Prof. Rahul Thakur			23.01.2026	29.01.2026
9	20913005	Aman Srivastava	Earthquake Engineering	SEISMIC PERFORMANCE EVALUATION OF BRIDGE ABUTMENTS AND WELLS SUPPORTING PIERS IN FLAT AND HILLY TERRAINS	Prof. Yogendra Singh			12.12.2025	29.01.2026

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
10	20916002	Anisha E	Humanities and Social Sciences	ROLE OF LEADER-MEMBER EXCHANGE IN THE PREDICTION OF ORGANIZATIONAL CITIZENSHIP BEHAVIOR AND ORGANIZATIONAL SILENCE: THE MEDIATING ROLE OF EMPLOYEE ENGAGEMENT	Prof. Pooja Garg			4.12.2025	5.12.2025
11	20910045	Anjali	Civil Engineering	INTEGRATED MANAGEMENT OF LANDFILL LEACHATE AND GROUNDWATER IN GAZIPUR DUMP SITE, DELHI	Prof. C. S. P. Ojha			26.11.2025	27.11.2025
12	20909002	Ankit Kumar	Chemistry	COMPOSITIONAL AND FUNCTIONAL ENGINEERING OF METAL HALIDE PEROVSKITES FOR OPTOELECTRONIC APPLICATIONS	Prof. Prasenjit Kar			19.01.2026	29.01.2026
13	17911007	Anmol Gupta	Computer Science and Engineering	MODELING THE RUMINATIVE MIND: BEHAVIORAL, COMPUTATIONAL, AND NEUROPHYSIOLOGICAL APPROACHES	Prof. Partha Pratim Roy	Prof. Marieke Van Vugt		21.11.2025	6.01.2026
14	20919001	Antima	Mathematics	EPIDEMIOLOGICAL INSIGHTS INTO LEPTOSPIROSIS IN TROPICAL AREAS USING MATHEMATICAL MODELS	Prof. Sandip Banerjee			15.12.2025	17.12.2025
15	18915016	Anu Verma	Electronics and Communication Engineering	EFFICIENT HARDWARE REALIZATION OF CORDIC AND FFT ARCHITECTURES	Prof. Bishnu Prasad Das			13.11.2025	11.12.2025
16	21915003	Anubha Sehgal	Electronics and Communication Engineering	COMPUTE-IN-MEMORY ARCHITECTURES USING SPINTRONIC DEVICES FOR ON-CHIP LEARNING	Prof. Sourajeet Roy			3.12.2025	6.01.2026
17	20910047	Apurwa Dhole	Civil Engineering	AN EXPLORATION OF PEDESTRIAN CROSSING BEHAVIOR UNDER VARIOUS TIME PRESSURE CONDITIONS	Prof. Pushpa Choudhary			5.12.2025	6.01.2026
18	19920003	Asesh Kumar Patra	Mechanical and Industrial Engineering	ELASTIC WAVE PROPAGATION THROUGH SOFT SOLIDS	Prof. Joglekar M. Madhav			17.12.2025	22.12.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
19	20915003	Asha Kumari Jakhar	Electronics and Communication Engineering	ENHANCED MACHINE LEARNING FRAMEWORKS FOR FAST AND ACCURATE UNCERTAINTY QUANTIFICATION AND REPEATER OPTIMIZATION IN GRAPHENE-BASED ON-CHIP INTERCONNECTS	Prof. Sourajeet Roy			14.11.2025	5.12.2025
20	20925026	Ashutosh Singh	Physics	QUANTUM ENTANGLEMENT AND QUANTUM SIMULATION INVOLVING ATOMIC NUCLEI	Prof. P. Arumugam,			24.10.2025	30.10.2025
21	22920007	Ateeb Ahmad Khan	Mechanical and Industrial Engineering	INFLUENCE OF VARIABLE AMPLITUDE LOADING AND HYGROSCOPIC AGEING ON FATIGUE DAMAGE IN BIDIRECTIONAL GFRP	Prof. Indra Vir Singh			24.11.2025	10.12.2025
22	19920029	Aurovinda Kumar Mitra	Mechanical and Industrial Engineering	NUMERICAL AND EXPERIMENTAL INVESTIGATION OF GUIDED WAVE - DEBOND INTERACTIONS IN HONEYCOMB SANDWICH WITH SMOOTHLY VARYING CORE THICKNESS	Prof. D.M. Joglekar			28.11.2025	2.12.2025
23	20915029	Ayshika Kapoor	Electronics and Communication Engineering	PRIVACY-PRESERVING AND COMMUNICATION-EFFICIENT FEDERATED LEARNING FRAMEWORKS FOR URBAN SENSING SYSTEMS	Prof. Dheeraj Kumar			15.10.2025	6.11.2025
24	20925040	Ayushi Agrawal	Physics	ELECTRON -ATOM(ION) SCATTERING AND PLASMA MODELING	Prof. Rajesh Srivastava	Prof. Lalita Sharma		10.10.2025	16.10.2025
25	18917009	Bhanu Sharma	Hydrology	STREAMFLOW PREDICTION USING A PHYSICALLY INFORMED MACHINE LEARNING MODEL FOR A HIMALAYAN CATCHMENT	Prof. N.K. Goel			23.12.2025	6.01.2026
26	22910010	Bhavesht Jaykumar Bhambhani	Civil Engineering	PARTIAL REPLACEMENT OF ASPHALT BINDER WITH MODIFIED-WASTE ENGINE OIL RESIDUE	Prof. Satish Chandra	Dr. Gottumukkala Bharath		23.01.2026	30.01.2026
27	19925003	Brij Mohan	Physics	STUDY OF MAGNETORESISTANCE AND PHOTOINDUCED EFFECTS IN MANGANITE FILMS	Prof. Vivek Kumar Malik			4.11.2025	28.11.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
28	18912027	Chander Prakash	Earth Sciences	INTEGRATED CARBON ISOTOPIC AND PALYNOLOGICAL INVESTIGATIONS OF THE UMARSAR LIGNITE DEPOSIT, KUTCH BASIN, GUJARAT, WESTERN INDIA	Prof. Sunil Bajpai	Prof. Abhayanand Singh Maurya	Dr. Vandana Prasad	24.12.2025	29.12.2025
29	18920037	Chintam Suresh Kumar	Mechanical and Industrial Engineering	DEVELOPMENT OF NANOSTRUCTURED TIN - BASED COMPOSITES THROUGH MICROWAVE SINTERING FOR ENHANCED WEAR RESISTANCE	Prof. Apurbba Kumar Sharma			24.10.2025	7.11.2025
30	20925006	Deepak Verma	Physics	UNDERSTANDING THE MAGNETIC PROPERTIES OF SOME SPINEL OXIDES: COMBINED EXPERIMENTAL AND FIRST PRINCIPLES PERSPECTIVES	Prof. G. D. Varma	Prof. Tulika Maitra		24.10.2025	30.10.2025
31	19915008	Deepmala Trivedi	Electronics and Communication Engineering	DEVELOPMENT OF MICROWAVE IMAGING TECHNIQUES FOR HIDDEN TARGET DETECTION	Prof. Dharmendra Singh			18.11.2025	9.12.2025
32	19912002	Deshmukh Gargi Girish	Earth Sciences	SOUTH TIBETAN DETACHMENT SYSTEM: A POSSIBLE CAMBRO-ORDOVICIAN TECTONIC BOUNDARY AND ITS CENOZOIC REMOBILIZATION, DHAULIGANGA VALLEY, UTTARAKHAND HIMALAYA	Prof. Nachiketa Rai	Dr. Arvind Kumar Jain		22.09.2025	16.11.2025
33	20916005	Dhananjay Kumar Rai	Humanities and Social Sciences	ESSAYS ON INTERNATIONAL TRADE AND CLIMATE CHANGE	Prof. Subir Sen			10.10.2025	6.11.2025
34	19915011	Dibyadrasta Sahoo	Electronics and Communication Engineering	INVESTIGATION OF 3D NAND FLASH MEMORY	Prof. Sanjeev Manhas			17.01.2026	24.01.2026
35	18924004	Diksha Choudhary	Management Studies	INVESTIGATING THE BEHAVIORAL DETERMINANTS OF RETIREMENT FINANCIAL PLANNING: THE INFLUENCE OF PERSONALITY TRAITS AND PERCEIVED FINANCIAL LITERACY IN THE INDIAN CONTEXT.	Prof. Ashu Khanna			22.12.2025	29.01.2026

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
36	19919003	Divyanshu Vashista	Mathematics	WELL-POSEDNESS AND NUMERICAL SCHEMES FOR REGIME SWITCHING SDES: INCORPORATING DISCONTINUOUS DRIFT COEFFICIENT AND LEVY NOISE CASES	Prof. Chaman Kumar			16.12.2025	22.12.2025
37	20906005	Dravin Pratap Singh	Centre for Nanotechnology	SUSTAINABLE AND FUNCTIONAL APPLICATIONS OF NANOMATERIALS IN FOOD SAFETY, NUTRITION, AND HUMAN WELLNESS	Prof. Gopinath Packirisamy			29.12.2026	21.01.2026
38	19915036	Gaurav Srivastava	Electronics and Communication Engineering	DESIGN OF RECONFIGURABLE ACTIVE-INDUCTOR-BASED RECEIVER, FILTER, OSCILLATOR ARCHITECTURE AND MULTIPLIER-BASED SUB-TERAHERTZ SIGNAL GENERATION FOR 5G AND 6G APPLICATIONS	Prof. Darshak Bhatt			22.12.2025	29.12.2025
39	20917009	Gaurav Vaghela	Hydrology	DEVELOPMENT OF INNOVATIVE NANOCOMPOSITE MEMBRANES FOR DESALINATION AND WATER RECLAMATION	Prof. Bhaskar Jyoti Deka			11.11.2025	27.11.2025
40	19915014	Govind Kumar Mishra	Electronics and Communication Engineering	DESIGN AND DEVELOPMENT OF FILTERS FOR 5G AND BEYOND APPLICATIONS	Prof. Nagendra P. Pathak	Prof. Hemendra Kumar Pandey		22.12.2025	2.01.2026
41	17924013	Hariome Sharan Gupta	Polymer and Process Engineering	NATURAL FIBER REINFORCED FUNCTIONALIZED POLYMER COMPOSITES AND HYBRID COMPOSITES	Prof. Sanjay Palsule			16.10.2025	14.11.2025
42	20908017	Hemant Goyal	Chemical Engineering	SUSTAINABLE TREATMENT OF ARSENIC AND FLUORIDE CONTAMINATED GROUNDWATER FOR COMMUNITY APPLICATION	Prof. Prasenjit Mondal			15.10.2025	27.10.2025
43	20925029	Himanshu Grover	Physics	TIMING INVESTIGATION OF YOUNG AND MILLISECOND PULSARS	Prof. P. Arumugam			22.12.2025	29.12.2025
44	20910014	Honey Kaushal	Civil Engineering	STRENGTH AND DEFORMATION BEHAVIOUR OF WEATHERED HIMACHAL GRANITIC GNEISS UNDER STATIC AND CYCLIC LOADING	Prof. N. K. Samadhiya	Prof. Aditya Singh		30.10.2025	6.11.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
45	19915016	Inapurapu Suryarajitha	Electronics and Communication Engineering	INVESTIGATIONS ON MULTI-FUNCTIONAL ANTENNAS FOR 5G/6G/MM-WAVE APPLICATIONS	Prof. M. V. Kartikeyan	Prof. Rajib Kumar Panigrahi		8.12.2025	6.01.2026
46	19921010	Indeevar Singh	Metallurgical and Materials Engineering	MICROSTRUCTURAL ANALYSIS AND MECHANICAL PROPERTIES OF LIQUID PHASE SINTERED TUNGSTEN HEAVY ALLOYS WITH MO AND Nb ADDITIONS	Prof. Vikram Vasant Dabhade			7.11.2025	11.12.2025
47	19926003	Jagriti Jain	Water Resources Development and Management	FORMULATION OF A MULTI-SCALE FLOOD RISK RESILIENCE FRAMEWORK FOR SOCIO-ENVIRONMENTAL SYSTEMS USING DYNAMIC EVALUATION TECHNIQUES	Prof. Deepak Khare	Dr. Francisco Munoz Arriola		18.11.2025	22.12.2025
48	21910070	Japjeet Singh	Civil Engineering	AN ASSESSMENT OF CRYOSPHERE DYNAMICS IN THE HIMALAYAN UPPER GANGA BASIN UNDER CHANGING CLIMATE	Prof.C. S. P. Ojha	Dr. Vishal Singh		26.09.2025	29.10.2025
49	19914006	Jyotiranjana Dash	Electrical Engineering	EFFICIENT CONTROL OF HIGH PERFORMANCE MODULAR MULTILEVEL CONVERTER	Prof. Pramod Agarwal			17.12.2025	19.12.2025
50	18903034	K Amith Kumar	Biosciences and Bioengineering	STRUCTURAL AND MECHANISTIC CHARACTERIZATION OF ENZYMES FOR BIOREMEDIATION	Prof. Pravindra Kumar			19.08.2025	14.11.2025
51	20910016	Kaliprasana Muduli	Civil Engineering	DEVELOPMENT OF AI-DRIVEN PREDICTIVE METHODS USING COMPUTER VISION-BASED TRAJECTORY DATA TO ENHANCE PEDESTRIAN SAFETY AT CROSSWALKS	Prof. Indrajit Ghosh	Dr. Shaimul (Md. Mazharul) Haque		10.11.2025	14.11.2025
52	19915019	Kartik Deshpande	Electronics and Communication Engineering	NOVEL VISUAL ASSESSMENT OF CLUSTERING TENDENCY ALGORITHM FOR IOT GENERATED SPATIO-TEMPORAL DATA IN DISTRIBUTED SYSTEMS	Prof. Dheeraj Kumar			15.09.2025	14.11.2025
53	20914005	Kaushik Halder	Electrical Engineering	DESIGN, PATH PLANNING AND INTELLIGENT CONTROL OF MEDICAL ROBOTIC SYSTEMS	Prof. Felix Orlando Maria Joseph	Prof. R. S. Anand		6.11.2025	25.11.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
54	22920049	Kaushlendra Kumar	Mechanical and Industrial Engineering	STATIC AND DYNAMIC BEHAVIOR OF HDPE/h-BN NANOCOMPOSITE WITH A MODIFIED INTERFACE	Prof. Avinash Parashar	Prof. Suraj Prakash Harsha		6.01.2026	14.01.2026
55	21910021	Khawboklang Kharsyiemiong	Civil Engineering	ANALYTICAL AND NUMERICAL STUDIES ON PRELOADING CONSOLIDATION WITH PREFABRICATED VERTICAL DRAINS	Prof. V. A. Sawant	Prof. Satyendra Mittal		6.11.2025	22.12.2025
56	21916019	Kishan Kumar Mishra	Humanities and Social Sciences	NO-BODY IS PERFECT: EXPLORING THE REPRESENTATION OF FATNESS, BALDNESS AND COLORISM IN CONTEMPORARY INDIAN FILMS	Prof. Nagendra Kumar			6.11.2025	14.11.2025
57	20915008	Km Dimple	Electronics and Communication Engineering	MACHINE LEARNING APPROACHES FOR SIGNAL INTEGRITY ANALYSIS AND OPTIMIZATION OF ON-CHIP GRAPHENE INTERCONNECTS	Prof. Sourajeet Roy			17.11.2025	2.01.2026
58	20910017	Kudurupaka Vamshi Krishna	Civil Engineering	BEHAVIOURAL ASSESSMENT OF DISTRACTED PEDESTRIANS AT INTERSECTIONS	Prof. Pushpa Choudhary			5.12.2025	6.01.2026
59	20916036	Kunal Debnath	Humanities and Social Sciences	THE REPRESENTATION OF HINDUISM IN SELECT MANGA: A CRITICAL STUDY	Prof. Nagendra Kumar			24.10.2025	8.11.2025
60	19919014	Mahak	Mathematics	A STUDY OF CODES IN PROJECTIVE SPACES	Prof. Maheshanand			3.11.2025	11.11.2025
61	19920035	Manoj Singh Bisht	Mechanical and Industrial Engineering	EXPERIMENTAL AND CRYSTAL PLASTICITY-BASED INVESTIGATION OF SLM ALSiTiOMG ALLOY	Prof. Indra Vir Singh	Prof. Vidit Gaur		13.10.2025	14.11.2025
62	19913004	Mayuri Borah	Earthquake Engineering	SEISMIC RISK ASSESSMENT OF ASSAM, NORTH-EAST (NE) INDIA	Prof. M. L. Sharma	Prof. R. N. Dubey		3.10.2025	28.11.2025
63	19916032	Mhasileno Peseyie	Humanities and Social Sciences	FOLKLORE AND THE DYNAMICS OF CULTURAL IDENTITY: NEGOTIATING TRADITION, MODERNITY AND HYBRIDITY IN SELECT ANGAMI FOLKTALES	Prof. Rasmi Gaur			4.11.2025	10.12.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
64	20918009	Mohan Lal Jangid	Management Studies	FINANCIAL IMPACTS OF CORPORATE COMMITMENT TO CLIMATE CHANGE ACTION: EVIDENCE FROM THE ASIA-PACIFIC REGION	Prof. Anil Kumar Sharma			13.01.2026	14.01.2026
65	19918006	Mohd Azeem	Management Studies	IMPACT OF INTERNAL RESOURCES AND FOUNDED TEAM CHARACTERISTICS ON STARTUP SURVIVAL IN INDIA	Prof. Ashu Khanna			24.12.2025	6.01.2026
66	19909004	Mohit Kulshrestha	Chemistry	SYNTHESES AND APPLICATIONS OF STABLE CARBON CENTRED RADICALS AND CATIONIC FLUOROPHORES	Prof. Kalyan Kumar Sadhu			28.11.2025	15.12.2025
67	18924006	Mridul Pant	Polymer and Process Engineering	NATURAL FIBERS REINFORCED FUNCTIONALIZED POLYMER HYBRID COMPOSITES	Prof. Sanjay Palsule,			13.10.2025	6.11.2025
68	19913007	Mudit Srivastava	Earthquake Engineering	SEISMIC SITE-RESPONSE AND ITS IMPLICATIONS ON SEISMIC HAZARD ASSESSMENT – A CASE STUDY FOR EASTERN INDO-GANGETIC PLAINS, INDIA	Prof. M. L. Sharma			14.11.2025	8.01.2026
69	18904001	Mugesh A	Centre of Excellence in Disaster Mitigation and Management	INFLUENCE OF SEISMIC SITE CHARACTERISTICS ON EARTHQUAKE EARLY WARNING PREDICTION PARAMETERS	Prof. Ravi Sankar Jakka	Prof. Kamal		13.10.2025	11.11.2025
70	18916011	Mukesh Kumar	Humanities and Social Sciences	ESSAYS ON NUTRITION TRANSITION IN INDIA: PERSISTENCE OF MALNUTRITION IN ADOLESCENCE AND HUMAN CAPITAL, DOUBLE BURDEN OF MALNUTRITION, AND PROGRAM UTILISATION	Prof. Pratap Chandra Mohanty			18.12.2025	22.12.2025
71	20909010	Nainy Khera	Chemistry	METAL SULFIDE NANOPARTICLES AND THEIR NANOCOMPOSITES FOR CATALYTIC APPLICATIONS	Prof. P. Jeevanandam			21.11.2025	25.11.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
72	19920011	Nikhil Anand	Mechanical and Industrial Engineering	EXPERIMENTAL INVESTIGATIONS OF BIODEGRADABLE ZINC-BASED COMPOSITES FOR ORTHOPAEDIC IMPLANT APPLICATIONS	Prof. Kaushik Pal			26.11.2025	2.12.2025
73	20512011	Nitish Srivastava	Hydro and Renewable Energy	SOLAR ENERGY-BASED AMMONIA PRODUCTION AND IRRIGATION: PROCESS MODELING AND PROTOTYPE DEVELOPMENT	Prof. Amit Chandrakant Bhosale	Prof. Pratham Arora		10.10.2025	18.12.2025
74	18910061	Pankaj Rawat	Civil Engineering	FRACTURE PROPAGATION CHARACTERISTICS IN SANDSTONES SUBJECTED TO CONFINEMENTS AND THERMAL CONDITIONS AFTER HYDRAULIC FRACTURING	Prof. N. K. Samadhiya			24.12.2025	1.01.2026
75	20915042	Parth	Electronics and Communication Engineering	INFORMATION-THEORETIC DIVERGENCE MEASURE BASED ALGORITHMS FOR ADAPTIVE FILTERING AND DISTRIBUTED ESTIMATION	Prof. Pyari Mohan Pradhan			7.11.2025	28.11.2025
76	21918025	Patnaik Pramod Kumar	Management Studies	A STUDY ON THE USE OF TRADITIONAL AND EMERGING INFORMATION TECHNOLOGIES FOR RURAL E-GOVERNANCE AND EDUCATION IN INDIA	Prof. Gaurav Dixit	Dr. Ajay Kumar		29.01.2026	29.01.2026
77	19912019	Prantik Mondal	Earth Sciences	INTEGRATED SEDIMENTOLOGICAL, PALEOECOLOGICAL, GEOCHEMICAL, AND SEQUENCE STRATIGRAPHIC ANALYSES OF LATE CRETACEOUS CARBONATES OF THE BAGH GROUP, NARMADA RIFT BASIN, CENTRAL INDIA	Prof. Biplob Bhattacharya			31.10.2025	14.11.2025
78	20908008	Praveen Dubey	Chemical Engineering	MIXING AND DISCHARGE BEHAVIOR OF NON-SPHERICAL GRANULAR MATERIALS THROUGH A SYNERGISTIC APPROACH USING EXPERIMENTS, SIMULATIONS AND MACHINE LEARNING	Prof. Anshu Anand			9.01.2026	16.01.2026
79	19926004	Praveen Kalura	Water Resources Development and Management	SYNERGETIC APPLICATION OF VIC MODEL AND WATER ACCOUNTING PLUS FOR BASIN SCALE WATER RESOURCES ASSESSMENT	Prof. Ashish Pandey	Prof. Vm Chowdary		7.01.2026	14.01.2026

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
80	20910051	Priti Rai	Civil Engineering	REPEATED RECYCLING OF RECLAIMED ASPHALT PAVEMENT MATERIALS (RAPM) IN HOT MIX ASPHALT (HMA)	Prof. Praveen Kumar	Prof. Nikhil Saboo		28.11.2025	3.12.2025
81	19915023	Priyanka Bajaj	Electronics and Communication Engineering	DEVELOPMENT OF ACTIVE AND PASSIVE FREQUENCY SELECTIVE SURFACES FOR MICROWAVE ABSORBER AND RASORBER APPLICATIONS	Prof. Dharmendra Singh	Prof. Debidas Kundu		8.07.2025	28.11.2025
82	19925019	Rajat Chauhan	Physics	LIQUID CRYSTAL BASED TUNABLE GUIDED WAVE PHOTONIC COMPONENTS AND DEVICES	Prof. Vipul Rastogi			3.11.2025	28.11.2025
83	20918013	Rakesh G Nair	Management Studies	GROWERS' INSIGHTS ON BRANDING AND MARKETING OF PLANT-BASED IMMUNOMODULATORY PRODUCTS	Prof. Vinay Sharma			13.10.2025	16.10.2025
84	18909051	Reetika Singh	Chemistry	ANTHRACENE BASED LIGANDS-APPENDED COMPLEXES AND MOFs: SYNTHESIS, STRUCTURAL AND CATALYTIC STUDIES	Prof. Uday Pratap Singh			17.10.2025	29.10.2025
85	20912008	Rinku Mahanta	Earth Sciences	BODY WAVE AND SURFACE WAVE DERIVED MOMENT TENSOR CATALOG FOR GARHWAL-KUMAON HIMALAYAS	Prof. Vipul Silwal			30.12.2025	14.01.2026
86	19914016	Rupam Chaki	Electrical Engineering	A STUDY OF OPERATIONAL ISSUES OF MODULAR MULTILEVEL CONVERTER (MMC)	Prof. Anubrata Dey			21.11.2025	27.11.2025
87	18903014	Saakshi Saini	Biosciences and Bioengineering	NEUROPROTECTIVE STRATEGIES FOR ALLEVIATING ANXIETY AND DEPRESSION LIKE CONDITIONS USING NATURAL COMPOUNDS AND NANOFIBER-BASED DELIVERY SYSTEM	Prof. Partha Roy			25.11.2025	22.12.2025
88	17921018	Sajad Hamid	Metallurgical and Materials Engineering	CREEP BEHAVIOUR OF SUPERALLOY 617 M FOR APPLICATIONS IN MODERN STEAM-TURBINES	Prof. Ujjwal Prakash			10.10.2025	14.11.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
89	19908013	Salma Khatoon	Chemical Engineering	COMPUTATIONAL AND EXPERIMENTAL ANALYSIS OF SHAPE-INDUCED MIXING IN GRANULAR SYSTEMS WITH NON-SPHERICAL PARTICLE ORIENTATION	Prof. Anshu Anand			23.12.2025	30.12.2025
90	19903007	Saloni Gupta	Biosciences and Bioengineering	INFLAMMATORY AND METABOLIC REPROGRAMMING OF INNATE IMMUNE CELLS UNDER INFLAMMATION	Prof. P.P. Sarangi			23.12.2025	30.12.2025
91	22915024	Sandeep Rana	Electronics and Communication Engineering	DESIGN AND ANALYSIS OF IN-BAND FULL DUPLEX ANTENNA AND ITS APPLICATIONS IN MODERN WIRELESS COMMUNICATION	Dr. Akhilesh Mohan			10.10.2025	28.10.2025
92	18910069	Sanjeev Kumar	Civil Engineering	STUDY ON SEDIMENT MANAGEMENT IN CANALS	Prof. C. S. P. Ojha			26.11.2025	15.12.2025
93	19915025	Sanjeev Kumar Varun	Electronics and Communication Engineering	DEVELOPMENT AND VALIDATION OF COMPUTATIONAL BIOMARKERS AND ARTIFICIAL INTELLIGENCE DRIVEN MULTIMODAL FRAMEWORK FOR EPILEPSY DIAGNOSIS, SEIZURE DETECTION, AND SOURCE LOCALIZATION USING EEG, MEG, AND MRI MODALITIES	Prof. Tharun Kumar Reddy Bollu			11.12.2025	13.12.2025
94	19902009	Saurabh Kishore Ojha	Architecture and Planning	A BIOMETEOROLOGICAL ASSESSMENT OF URBAN GREENERY STRATEGIES (UGS) FOR IMPROVING PEDESTRIAN THERMAL COMFORT (PTC), CASE OF ASYMMETRICAL STREET CONDITIONS IN BHOPAL	Prof. Mahua Mukherjee			19.11.2025	9.12.2025
95	18920050	Saurabh Sachan	Mechanical and Industrial Engineering	AUTONOMOUS NAVIGATION AND MULTIMODAL MANIPULATION FOR A MOBILE MANIPULATOR IN INDOOR ENVIRONMENTS FOR HUMAN-ROBOT INTERACTION	Prof. P. M. Pathak			22.12.2025	14.01.2026

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
96	19921007	Shaila Mir	Metallurgical and Materials Engineering	RECYCLING OF PRINTED CIRCUIT BOARDS FOR VALUABLE METAL RECOVERY	Prof. Nikhil Dhawan			13.11.2025	24.12.2025
97	19914017	Sharma Naveenkumar R.	Electrical Engineering	PROTECTION SCHEMES FOR INTERNAL STATOR WINDING FAULTS IN INDUCTION MOTORS	Prof. Bhavesh R. Bhalja			17.10.2025	11.11.2025
98	19916010	Shashi Kant Sharma	Humanities and Social Sciences	DETERMINANTS OF PUBLIC AND PRIVATE HEALTH INSURANCE CONSUMPTION: A STUDY OF BIHAR	Prof. Subir Sen,			8.10.2025	30.10.2025
99	19920019	Shikha	Mechanical and Industrial Engineering	TECHNIQUE FOR SOUND SOURCE LOCALIZATION IN THREE-DIMENSIONAL SPACE USING TIME DELAY AND INTENSITY RATIO BASED ANALYTICAL APPROACH	Prof. Sneha Singh			29.08.2025	12.11.2025
100	19912011	Shikha Gupta	Earth Sciences	TECTONO-METAMORPHIC EVENTS RELATED TO FORMATION OF THE JAHZPUR SHEAR ZONE: CONSTRAINTS FROM PETROCHRONOLOGICAL STUDIES	Prof. Lopamudra Saha			7.10.2025	6.11.2025
101	20916029	Shinde Amit Shivaji	Humanities and Social Sciences	IMPACT OF WORKPLACE OSTRACISM ON BURNOUT, PSYCHOLOGICAL WELL-BEING, AND MINDFULNESS OF EMPLOYEES	Prof. Pooja Garg			16.01.2026	4.02.2026
102	20918014	Shipra Mathur	Management Studies	AN EXPERIMENTAL INVESTIGATION OF MARKETING CUES IN AFFECTING AUTHENTICITY PERCEPTIONS ONLINE	Prof. Jogendra Kumar Naya			20.11.2025	28.11.2025
103	19914018	Shivateja Manala	Electrical Engineering	MODEL BASED INTER-TURN FAULT DIAGNOSIS IN PMSM DRIVE	Prof. Jeevanand S			13.11.2025	28.11.2025
104	22912006	Sohan Kumar	Earth Sciences	ROCK WEATHERING DYNAMICS IN THE GARHWAL HIMALAYA: A MULTIDISCIPLINARY APPROACH OF METAGENOMICS, U-SERIES AND COSMOGENIC RADIONUCLIDE DATING	Prof. Pradeep Srivastava			23.12.2025	29.12.2025

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105	20903011	Soumyadeep Basak	Biosciences and Bioengineering	NANO-BIOMATERIAL-BASED MECHANOBIOLOGICAL PLATFORMS FOR TISSUE ENGINEERING APPLICATIONS	Prof. Gopinath Packirisamy			29.12.2025	16.01.2026
106	21910052	Soumyadeep Deb	Civil Engineering	DEVELOPMENT OF SPECIFICATIONS FOR THE USE OF WASTE PLASTIC IN ASPHALT MIXTURES	Prof. Praveen Kumar	Prof. Nikhil Saboo		25.11.2025	28.11.2025
107	18912034	Subhra Pratim Das	Earth Sciences	A COMPREHENSIVE FORMULATION OF ADAPTIVE METHODOLOGIES FOR SEISMIC WAVEFIELD ANALYSIS ACROSS DIVERSE GEOLOGY: IMPLICATIONS FOR ENERGY EXPLORATION	Prof. Sagarika Mukhopadhyay			19.11.2025	5.12.2025
108	18916020	Sushil Kumar	Humanities and Social Sciences	WELFARE EFFECTS AND HEALTH IMPACTS OF EXPOSURE TO ARSENIC-CONTAMINATED GROUNDWATER: EVIDENCE FROM WESTERN BIHAR, INDIA	Prof. Diptimayee Nayak			17.10.2025	6.11.2025
109	19916014	Sushree Routray	Humanities and Social Sciences	MATERNAL AMBIVALENCE AND PATRIARCHAL MOTHERHOOD: A MATRICENTRIC READING OF SELECT CONTEMPORARY SOUTH ASIAN MATERNAL FICTION	Prof. Rasmi Gaur			18.12.2025	14.01.2026
110	19910013	Suvam Banerjee	Civil Engineering	DEVELOPMENT OF TOURISTS' TRAVEL ADAPTATION BEHAVIOURAL MODELS UNDER CYCLONE THREAT	Prof. Indrajit Ghosh	Prof. Rajat Rastogi		29.10.2025	3.11.2025
111	20911010	Swadhin Das	Computer Science and Engineering	CAPTION GENERATION FOR REMOTE SENSING IMAGES USING LANGUAGE AND IMAGE PROCESSING TECHNIQUES	Prof. Raksha Sharma			24.11.2025	22.12.2025
112	19925049	Tanuj Kumar	Physics	STUDY OF ION DYNAMICS AT PEROVSKITE/ELECTROLYTE INTERFACE FOR NEXT-GENERATION ENERGY AND OPTOELECTRONIC DEVICES	Prof. Monojit Bag			17.10.2025	27.10.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
113	19916015	Ujjwal Khobra	Humanities and Social Sciences	CRITICAL AND CREATIVE POSTHUMANISM AS ENMESHMENT: A POST- LITERARY PERSPECTIVE ON THE EVERYDAYNESS OF POSTHUMAN BODIES) AND POSTHUMAN BECOMING(S)	Prof. Rasmi Gaur			18.12.2025	13.01.2026
114	18910076	Unnikrishnan S	Civil Engineering	EFFECT OF SEA WATER AND ORGANIC FLUIDS ON BEHAVIOUR OF MIXED MINEROLOGY CLAYS WITH MORPHOLOGICAL VALIDATION	Prof. N. K. Samadhiya			30.10.2025	7.11.2025
115	19909014	Varusha Bhardwaj	Chemistry	B-CYANOPORPHYRINS WITH MIXED SUBSTITUENTS PATTERN: SYNTHESIS, STRUCTURAL, SPECTRAL AND REDOX PROPERTIES AND THEIR APPLICATION IN SENSING, NONLINEAR OPTICS AND ELECTROCATALYSIS	Prof. M. Sankar			13.11.2025	25.11.2025
116	18926010	Vidyasagar Tummakuri	Water Resources Development and Management	DESIGN AND EXPERIMENTAL VALIDATION OF BATTERY-OPERATED SHORT ENDURANCE MARINE VESSELS	Prof. Thanga Raj Chelliah			10.11.2025	14.11.2025
117	19910031	Vikram Singh	Civil Engineering	AIR POLLUTION EXPOSURE ASSESSMENT OF TRAVELERS AND PROFESSIONAL BUS DRIVERS USING CONTINUOUS MOBILE MONITORING	Prof. Amit Agarwal			2.01.2026	14.01.2026
118	19908021	Vinod Kumar	Chemical Engineering	ELECTROCHEMICAL-THERMAL MODELING AND TAB DESIGN OPTIMIZATION FOR CYLINDRICAL LITHIUM-ION CELLS	Prof. Ashwini Kumar Sharma			29.12.2025	4.02.2026
119	19916019	Vishal Raj	Humanities and Social Sciences	NOT ALL MEN ARE MEN: A CRITICAL STUDY OF MEN AND MASCULINITY IN SELECT INDIAN TEXTS	Prof. Nagendra Kumar			23.01.2026	30.01.2026
120	18910077	Vishal Sharma	Civil Engineering	CROP YIELD ESTIMATION AND PREDICTION WITH REMOTE SENSING SATELLITE DATA USING MACHINE LEARNING TECHNIQUES	Prof. S.K. Ghosh			27.10.2025	29.10.2025

Sl.No.	En.No.	Name	Department / Centre	Topic	Supervisor-1	Supervisor-2	Supervisor-3	Date of Defence	Date of PDC (Approved by DoAA)
121	20919016	Yash Arora	Mathematics	ROBUST VARIANTS OF TWIN SUPPORT VECTOR MACHINES FOR PATTERN CLASSIFICATION WITH APPLICATIONS	Prof. Shiv Kumar Gupta			7.01.2026	14.01.2026
122	19926009	Yogesh Kumar Kushwaha	Water Resources Development and Management	DESIGN AND DEVELOPMENT OF WSN-IoT BASED IRRIGATION SYSTEM	Prof. Ashish Pandey	Prof. Rajib Kumar Panigrahy		11.12.2025	17.12.2025
123	20916038	Namami Bansal *	Humanities and Social Sciences	IMPACT OF NATIONAL RURAL LIVELIHOODS MISSION & CONVERGENCE ON LIVELIHOODS IN RURAL-HILL ECONOMY OF UTTARAKHAND	Prof. D. Bharat			09.01.2026	

*Subject to obtaining the No Dues.

20 MAR 2026

MENTAL HEALTH POLICY - IIT ROORKEE





20 MAR 2026

Table of Contents

SL.No.	Title	Page No.
	Preamble	5-7
Section I		
1	Vision	9-11
2	Definitions	12-14
Section II		
3	Promotion of Mental Health & Well-being	16-18
3a	Capacity Building	19-23
3b	Holistic Wellness Support	24-27
4	Prevention of Mental Health Issues	28-33
4a	Early Identification of Mental Health Risk Category	34-35
4b	Crisis Management	36-40
5	Referral Mechanism	41-42
Section III		
6	Record Keeping & Information Sharing	44-45
7	Monitoring & Review	46-47
Section IV		
8	Mental Health Service Workforce	✓ 49-53
9	Financing & Resource Allocation	54-55
10	Mental Health Advisory Committee	56-58
11	Annexures	59-61


 20 MAR 2026

Abbreviations

APA: American Psychological Association

ADoSW(SW): Associate Dean of Student Welfare(Student Wellness)

ARP: Academic Reinforcement Program

DoSW: Dean of Student Welfare

DOAA: Dean of Academic Affairs

DAPC: Departmental Academic Program Committee

DInC: Diversity and Inclusion Committee

DPDP: Digital Personal Data Protection Act

GATI: Gender Advancement for Transforming Institute

HEI: Higher Education Institution

HAC: Hospital Advisory Committee

ICC: Internal Complaints Committee

MHP: Mental Health Professional

MHCA: Mental Health Care Act

MHL: Mental Health Literacy

NMHP: National Mental Health Program

PwD: Person with Disability

PSW: Psychiatric Social Worker

SOP: Standard Operating Procedure

SMP: Student Mentorship Program

SRIC: Sponsored Research and Industrial Consultancy

UNHCR: United Nations High Commissioner for Refugees

Policy Title: Mental Health Policy-IIT Roorkee

Issuing Authority: Board of Governors, IIT Roorkee

Statutory Status: Institutional Policy under Autonomous Governance

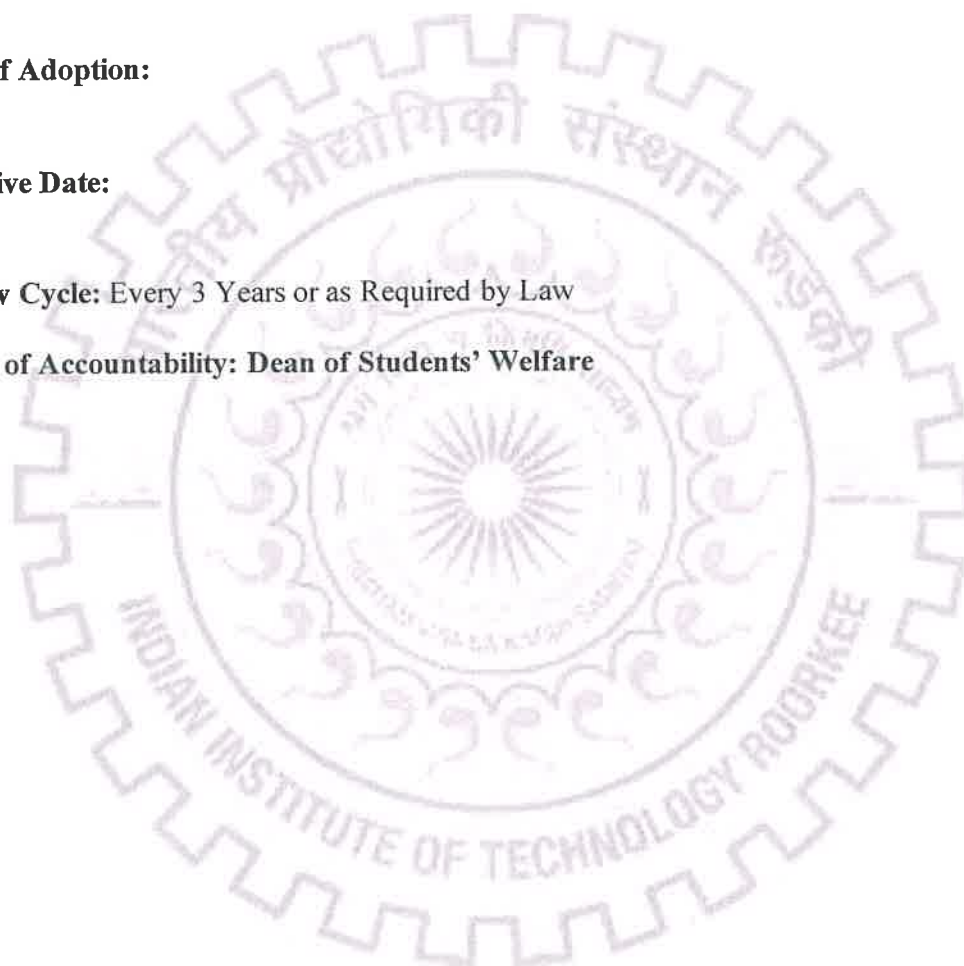
Policy Version: 1.0

Date of Adoption:

Effective Date:

Review Cycle: Every 3 Years or as Required by Law

Office of Accountability: Dean of Students' Welfare




20 MAR 2026

Preamble

Mental health determines how people manage stress, interact with others, and make decisions, and it is necessary at all stages of life. Such disorders account for a significant amount of the disease burden, affecting people of all ages, across socioeconomic levels and locations, and have a direct impact on social cohesion, economic productivity, and human development. In July 2016, the United Nations Human Rights Council affirmed the importance of fully incorporating a human rights-based approach into mental health policies and community services in order to eliminate discrimination and violence while promoting dignity, inclusion, autonomy, and participation.

The World Health Organization has consistently highlighted that mental health and well-being are critical to quality of life, enabling people to live meaningful lives and function as creative, productive, and responsible citizens. The honorable Supreme Court also emphasizes this point. Promoting positive mental health, as well as preventing and treating mental health issues, is thus critical to constructive conduct, emotional stability, sound judgment, and social interactions.

In India, the Mental Healthcare Act, 2017, marks a significant step forward in the legal recognition and protection of the rights of people suffering from mental illnesses. It goes beyond formal legal remedies to accomplish systemic and societal change, such as raising awareness and sensitization. Section 30 of the Act imposes a statutory obligation on the appropriate government to ensure that public officials and the general public are informed about the Act's provisions and mental health in general, promoting a more compassionate, inclusive, and rights-respecting approach.

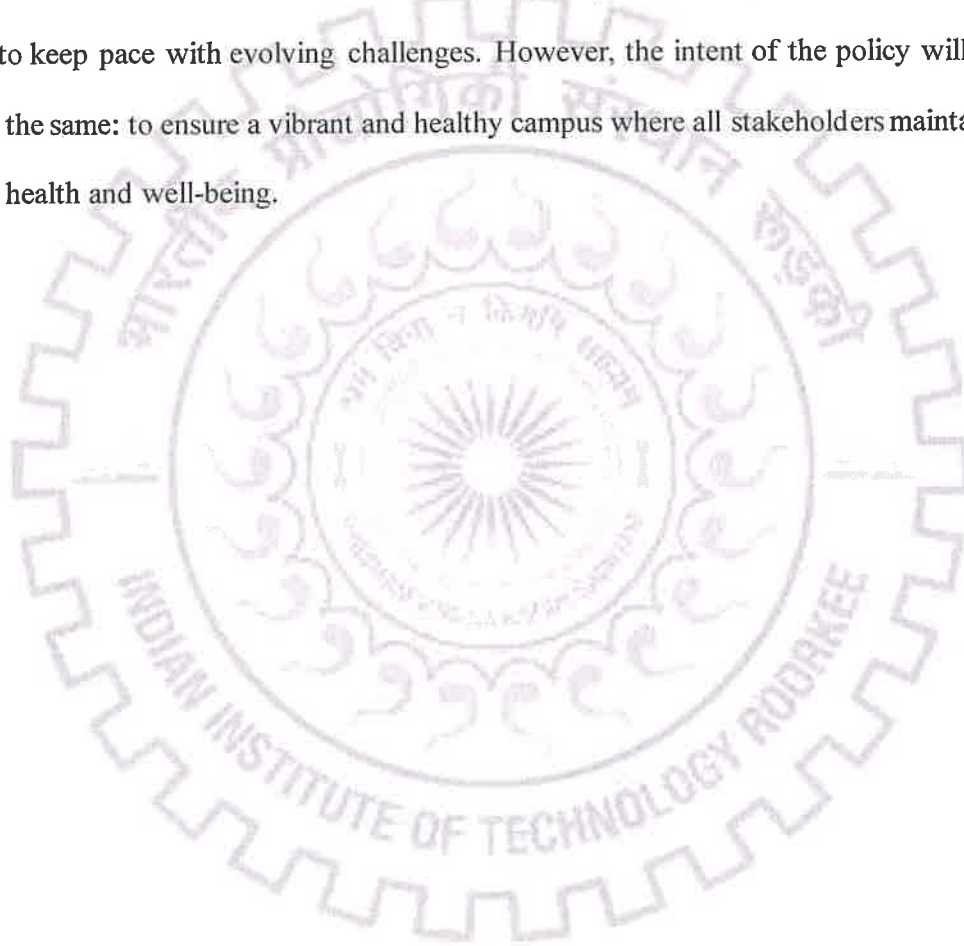
Despite these achievements, India's present mental health ecosystem has structural problems such as limited access to services, stigma, a shortage of skilled experts, and discrepancies between rural, underprivileged, and highly educated people. These issues are exacerbated by emerging and future dangers from rapid technological innovation. The expansion of digital platforms, social media, artificial intelligence, algorithm-driven content, cyberbullying, online harassment, disinformation, and excessive screen time all represent new and growing threats to mental health. At the same time, technological interventions and record-keeping in mental health treatment create questions about privacy, consent, data security, ethical use of artificial intelligence, and the possible exclusion of vulnerable populations.

Loneliness, social isolation, and increasing alcohol/substance usage in the young population, particularly in residential institutions, which is exacerbated by excessive screen time and unpleasant online interactions, are issues that the community as a whole must address. According to the WHO, loneliness is a key global public health issue, with a health risk equal to smoking and obesity.

IITs are the frontrunners in providing the highest-quality technical education in the country. The selection process for securing admission to IITs is considered one of the toughest in the world, which makes admission to IITs so coveted and also endows them with the position they command. On the flip side of this position is also the societal expectations for excellence. The students at IITs, like all other students of the same age, are also facing mental health issues. However, due to the focus of IITs being the front runners, there is increased focus on mental health and well-being issues amongst students on IIT campuses. Given the current situation and potential threats, there is an urgent need for a comprehensive, forward-thinking mental health policy framework that addresses existing gaps while anticipating and regulating future technological issues. Such a policy framework must be based on human rights, consistent with

constitutional values, responsive to scientific and technological advancements, and dedicated to preserving mental health as an essential component of individual dignity, societal stability, and national growth.

This document presents the first-ever Mental Health Policy of any HEI, particularly IITs. It is envisaged that this will lay the foundation for many more policies to be developed in the respective institutes. It is also understood that this policy will undergo several revisions in the future to keep pace with evolving challenges. However, the intent of the policy will always remain the same: to ensure a vibrant and healthy campus where all stakeholders maintain good mental health and well-being.




20 MAR 2026



Section-I

20 MAR 2026

1. Vision of MH Policy IITR

1.1. Context: Applicable to the entire campus, with everyone belonging to the institution, including students, staff, and management, is covered under the policy.

1.2. Vision:

- 1.2.1.** To restore and enhance the optimal level of mental health
- 1.2.2.** To ensure timely identification and support of mental health difficulties using standard mechanisms and evidence-based approaches
- 1.2.3.** To utilize local resources in an optimal way in the management of mental health-related problems and difficulties
- 1.2.4.** To create a positive and vibrant campus with the help of professionals who are able to create a sustainable, equitable society and contribute to the broader extent of the vision of IIT Roorkee
- 1.2.5.** To minimize the adverse effects of mental health conditions on academic life

1.3. Core Values:

- 1.3.1.** Protection of basic human rights
- 1.3.2.** Quality of services
- 1.3.3.** Practice of a data-driven & evidence-based approach
- 1.3.4.** Inclusivity and nondiscrimination
- 1.3.5.** Socio-cultural and gender sensitivity



20 MAR 2026

1.4. Objectives:

- 1.4.1.** To create awareness regarding mental health and self-care on campus
- 1.4.2.** To promote mental health literacy and digital well-being: (identify the indicators, promoted through activities and procedures)
- 1.4.3.** To identify mental health-related issues at any stage through standard methods and mechanisms (using SOPs)
- 1.4.4.** To ensure proper management of the mental health conditions (mild, sub-syndromal, severe) to be diagnosed as psychiatric conditions
- 1.4.5.** To manage specific conditions related to mental health and human behavior/emotions, such as substance abuse, behavioral addiction, self-harm to the extent of suicide, and life-threatening psychological crisis situations
- 1.4.6.** To create a facilitatory administrative mechanism, to facilitate the process of management of mental health conditions, including crisis situations - example Affidavit from parents – during orientation, like anti ragging declaration – for psychiatric intervention or mental health care/services
- 1.4.7.** To provide quality services through the existing infrastructure and qualified competent mental health professionals
- 1.4.8.** To promote innovation and research in the area of mental health with the involvement of mental health professionals and faculties from related interest/departments

1.5. Scope:

1.5.1. Mental health and well-being of students, teachers, staff, and management

1.5.2. Teaching curriculum/Orientation

1.5.3. Annual appraisal policy

1.5.4. Recruitment rule for the relevant category of staff

1.5.5. Extent of Applicability:

1.5.5.1. This policy is applicable to all stakeholders (students, staff, administration, and their families stationed on the campus of IIT Roorkee only.

1.5.5.2. It overlaps with the functioning of several offices within the institute and should always be read and understood alongside other policies from these offices, such as disciplinary rules, academic guidelines, service rules, etc.


20 MAR 2026

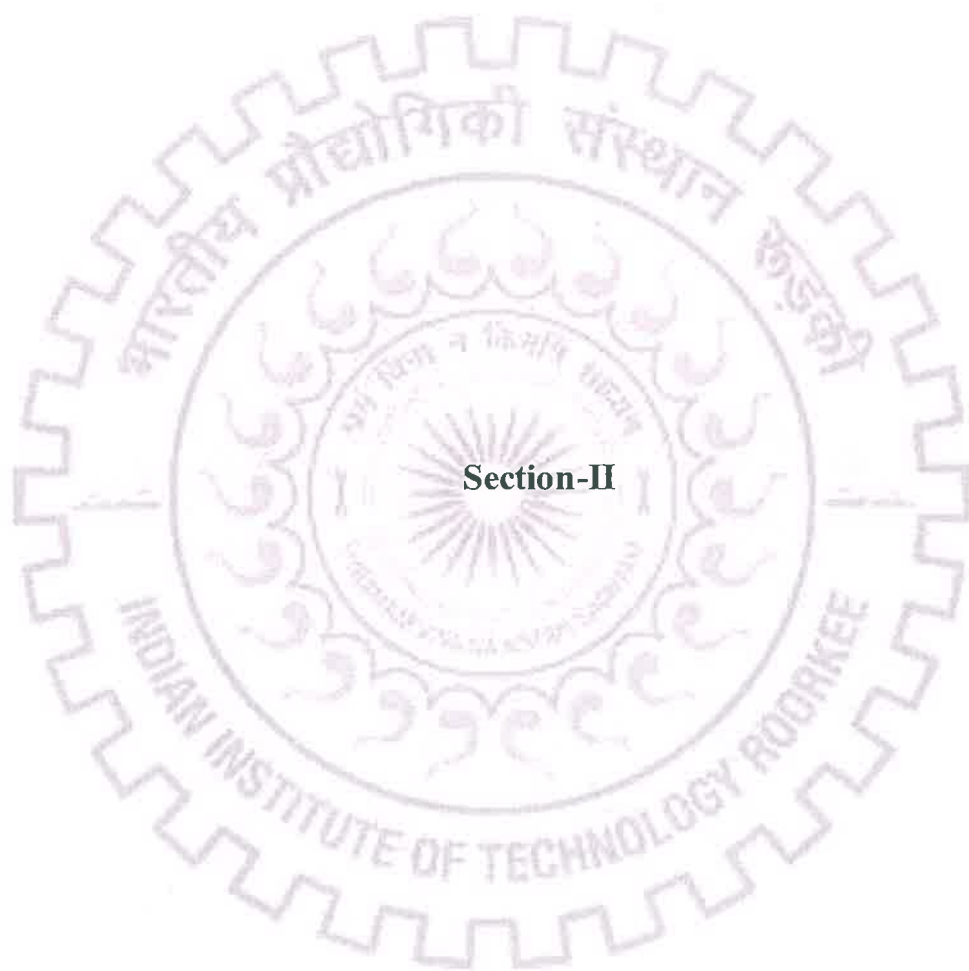
2. Definitions

- 2.1. *Holistic approach:*** A holistic approach to health, including recognition of the interrelationships among mind, body, and soul, is more effective in addressing mental health problems (NMHP).
- 2.2. *Community:*** A group of people living in a defined geographical area who share common values, interests, and have social relationships. They may be aware of having a particular identity or belonging and are organized to meet their common needs. (WHO)
- 2.3. *Mental Health:*** It is a state of mental well-being that enables people to cope with the stresses of life, realize their abilities, learn and work well, and contribute to their community. It has intrinsic and instrumental value and is a basic human right. (WHO)
- 2.4. *Mental Health support:*** The term “mental health and psychosocial support” refers to any support that aims to protect or promote psychosocial well-being and/or prevent or treat a mental health condition (UNHCR).
- 2.5. *Mental health literacy:*** Mental health literacy is defined as “knowledge and beliefs about mental disorders which aid their recognition, management or prevention.” This concept includes the ability to recognize specific mental health conditions, to know how to seek mental health information, to understand risk factors and causes, to know about effective self-help strategies and professional help available, and to have attitudes that promote appropriate help-seeking.

- 2.6. Student:** An Individual who is currently enrolled in any education programme for the purpose of learning, residing on the campus or outside the campus.
- 2.7. Whole campus approach:** "The whole-university approach outlines how mental health support should not just be a stand-alone service provided by a specialist team. Instead, it should be integrated into all aspects of university life - from design of curricula and assessments to the built environment."
- 2.8. Mental health difficulties:** Include both clinically diagnosable mental health conditions and non-clinical challenges that cause significant distress or impairment in personal, social, occupational, or other important areas of life.
- 2.9. Mental health condition(s):** A broad term covering mental disorders and psychosocial disabilities. It also covers other mental states associated with significant distress, impairment in functioning, or risk of self-harm (UNHCR).
- 2.10. Crisis:** A state of psychological disequilibrium in which an individual is confronted with a problem that cannot be resolved using customary coping mechanisms (Caplan, G.), which require immediate attention and medical/psychosocial support.
- 2.11. Self-Care:** Is the ability of individuals, families and communities, as foundational step to promote health, prevent disease, maintain health, and cope with illness and disability with or without the support of a health worker (WHO).
- 2.12. Trauma:** Psychological trauma occurs when an individual is exposed to an event involving actual or threatened death, serious injury, or sexual violence, and the experience overwhelms the individual's capacity to cope. (*Posttraumatic stress disorder prevention and treatment guidelines*. ISTSS)

- 2.13. *Mental health Professionals:*** As per MHCA 2017, a *mental health professional* includes: Psychiatrists, registered clinical psychologists, psychiatric social workers, and mental health nurses.
- 2.14. *Gender Inclusivity:*** Gender inclusivity refers to the practice of ensuring that people of all gender identities and expressions are respected, affirmed, and able to participate fully without discrimination. (APA)
- 2.15. *Digital well-being:*** Conceptualized as a phenomenon that enhances learning and safeguards students from an educational perspective, promotes work-life balance and increases productivity within professional contexts, and empowers users to effectively monitor and manage their technology usage from a technological standpoint.
- 2.16. *Need to know basis:*** The access to digital health data by a specific person for a specific and lawful purpose that is necessary for that purpose or to carry out that function.


20 MAR 2026



Section-II

3. Promotion of Mental Health & Well-being

- 3.1.** To sustain a positive and supportive campus environment, promoting mental health literacy at IIT Roorkee is crucial.
- 3.2.** Mental health literacy enables students, faculty, and staff to recognize early signs and symptoms of mental health concerns, encourages timely help-seeking behaviour, and contributes to reducing stigma at all levels.
- 3.3.** By encouraging self-care practices as a preventive and protective measure—similar to physical health maintenance—the institute can strengthen resilience, reduce mental health risks, and support the effective implementation of mental health policy.
- 3.4.** Promoting digital well-being is essential to recognize and harness the positive role of digital technologies in academic and professional development, while also fostering conscious and responsible use to prevent overuse and its associated negative impacts on mental well-being.
- 3.5.** In order to promote MHL, each stakeholder on the campus shall contribute as listed below -
- 3.5.1.** Mental Health Professionals (MHPs) and/or other registered professionals shall organise sensitisation programmes (physical and/or online) for the entire IITR Community.
- 3.5.2.** Faculty Advisors shall help reduce stigma by providing students with a safe space to discuss academic-related concerns that affect their mental health.

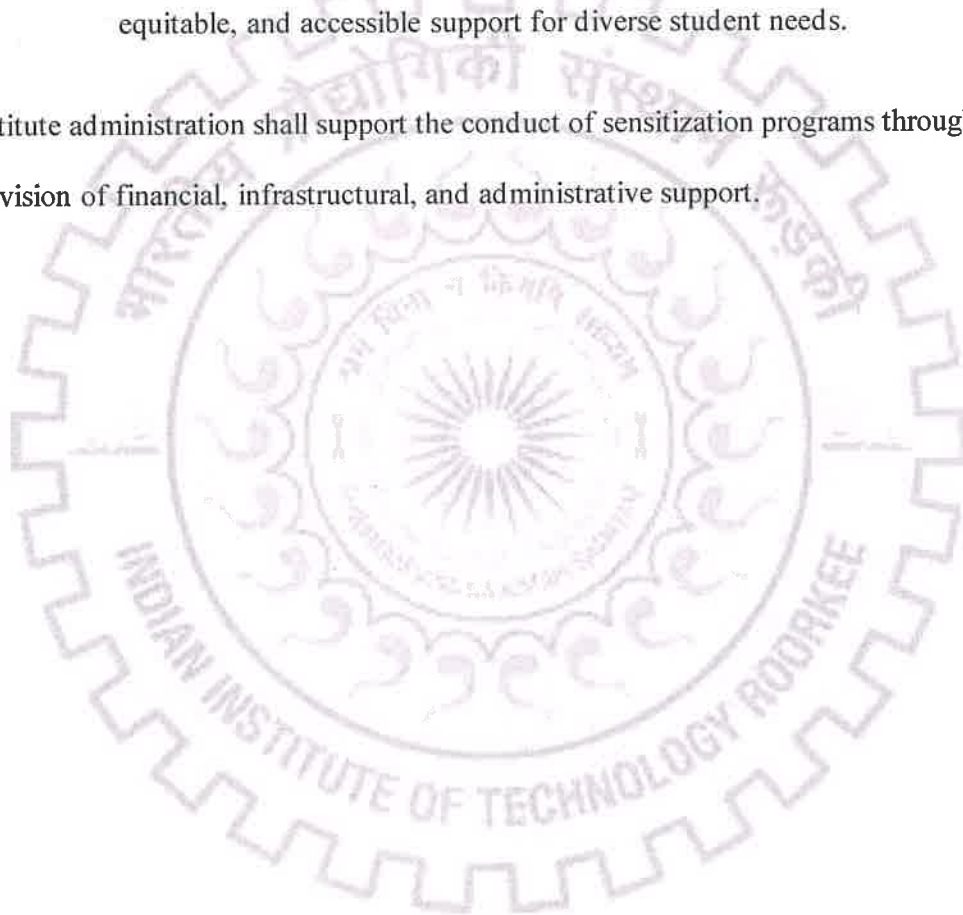
They shall promote help-seeking behaviour among students and provide timely referral to MHPs at the institute.

- 3.5.3.** Teaching staff shall ensure a safe, supportive, and non-intimidating academic environment, and shall be mindful of their role in safeguarding students' mental health and well-being while maintaining academic standards.
- 3.5.4.** Non-teaching staff shall perform their duties with due sensitivity to students' mental health and well-being, and shall address student-related issues in a supportive and non-discriminatory manner, and shall timely escalate concerns that may otherwise lead to mental health crises or emergencies.
- 3.5.5.** Student volunteers, which includes Team wellness, SMP, Bhawan level wellness secretaries, Class-representatives, Branch-representatives, UG Secretaries, PG-PhD secretaries, and ARP, with their respective volunteers, after getting the essential training of psychological first aid, MHL, and Gatekeeper training, shall provide a safe, supportive, non-judgemental approach to their fellow students. Also, encourage activities such as focus group discussions to reduce the stigma prevalent in the community. And the use of similar other community-level participation to promote mental health.
- 3.5.6.** Medical and Non-medical Professionals working at the institute hospital shall ensure a sensitive and supportive environment for students and staff regarding mental health issues. Encouraging timely dialogues on self-care and digital well-being in the hospital under the Chairman, HAC.
- 3.5.7.** IITR Community: All members of the IIT Roorkee community shall recognize mental health as a shared responsibility and are encouraged to

practice self-care, maintain their own mental well-being, and seek timely support from the mental health services available at the Institute. The community shall collectively contribute to a supportive, respectful, and stigma-free environment that promotes mental well-being.

- 3.5.8.** Disability Support Units and Socio-Economically Disadvantaged Group Cells shall coordinate closely with the Institute to ensure inclusive, equitable, and accessible support for diverse student needs.

Institute administration shall support the conduct of sensitization programs through the provision of financial, infrastructural, and administrative support.



3a.Capacity building

3a.1 Capacity Building can be defined as a continuous process of developing and strengthening the knowledge, skills, competencies, and resources of the academic community. Capacity-building programs are designed to empower all stakeholders to effectively implement and sustain comprehensive mental health promotion, prevention, and intervention strategies.

3a.2 Key Stakeholders

Capacity building involves a multi-layered group of stakeholders across various levels:

- **Student:** Includes the general student body, student volunteers, club PoRs, Class Representatives, and Branch Representatives.
- **Faculty:** Includes newly appointed Professors, teaching staff, Faculty advisors, and designated Faculty Wellness Representatives who serve as departmental liaisons.
- **Administration:** Includes high-level leadership such as the Dean of Student Welfare (DOSW), Associate Deans of Student Welfare (ADOSW)
- **Mental Health Professionals (MHPs):** Comprise RCI-registered Clinical Psychologists, NMC-registered Psychiatrists, and Psychiatric Social Workers. Also registered as a Psychologist under the government regulatory body.
- **Support Staff:** Includes hostel wardens, security office personnel, and non-teaching administrative staff.
- **Families:** Specifically, parents and guardians, who are engaged to safeguard student well-being and reduce stigma.

3a.3 Strategic Objectives (The Agenda)

The capacity-building program is designed to empower all stakeholders to achieve the following core competencies:

- **Recognition and Response:** Cultivating the proficiency to identify early indicators of psychological distress and execute standardized primary responder protocols.
- **Evidence-Based Implementation:** Utilizing scientifically validated Psychological First Aid (PFA) and wellness strategies within the daily campus environment.
- **Promote Help-Seeking Behavior:** Building a mechanism to provide support and care through sensitized and empowered individuals to strengthen help-seeking and reduce stigma.
- **Systemic Sustainability:** Fostering an enabling environment through proactive policy development, resource networking, and continuous evaluation of institutional support.

3a.4 Actionable Steps by Stakeholders

3a.4.1. Students

- **Academic Integration:** Participate in mandatory credit-based or non-credit modules on self-care, digital well-being, resilience, life skills and other relevant modules suggested by MHPs.
- **Peer Mentoring:** Join structured peer-mentoring systems where volunteers are trained by licensed Mental Health Professionals (MHPs) to provide student-to-student assistance.

- **Advocacy & Leadership:** Student club PoRs, Class Representatives, and Branch Representatives must complete the mandatory Gatekeeper programs to recognize warning signs such as social withdrawal or absenteeism.
- **Refresher Courses:** Participate in annual Mental Health Capacity Building Refresher Courses to update referral protocols and crisis intervention skills.
- **Event Engagement:** Institutionally supported student festivals such as Thomso, Cognizance, and Sangram may be utilised to integrate mental health awareness initiatives focusing on mental health literacy, self-care, and digital wellbeing.
- **Pre-Placement Workshop:** Attend specific workshops for final-year students on building resilience for professional life and managing performance anxiety.

3a.4.2. Faculty

- **Mandatory Gatekeeper Training:** All faculty and wardens must undergo training to identify early warning signs and administer Psychological First Aid (PFA).
- **Refresher Courses:** Participate in annual Mental Health Capacity Building Refresher Courses to update referral protocols and crisis intervention skills.
- **New Faculty Orientation:** Newly appointed Professors must undergo a mandatory mental health literacy orientation during their initial period of office.
- **Departmental Liaisons:** Act as Wellness Representatives to ensure wellness strategies are embedded within the academic framework.
- **Bridge Support:** Encourage students struggling with language barriers to use existing departmental resources (hardware/software) to address English language needs and discourage related discrimination.

3a.4.3. Staff (Administrative, Security, and Non-Teaching)

- **Primary Responder Training:** Security office personnel and non-teaching staff must complete Gatekeeper programs focused on recognizing behavioral shifts and social withdrawal.
- **Information Dissemination:** Ensure the visibility of government-promoted helplines, such as Tele-MANAS, as community resources.
- **Strategic Communication:** Utilize digital screens in the departmental level and official institute websites to run consistent messages related to mental health, self-care, and the availability of external emergency helplines.

3a.4.4. Mental Health Professionals (MHPs)

- **Continuous Skill Upgradation:** Within a structured professional development framework, institutional mechanisms may be instituted to enable Mental Health Professionals in wellness centres to participate in accredited conferences and continuing professional education for periodic updating of competencies and professional credits related to mental health.
- **Gatekeeper Supervision:** Design and implement mandatory Gatekeeper programs to train faculty, wardens, and staff in recognizing warning signs and administering Psychological First Aid (PFA).
- **Peer Support Oversight:** Train and supervise student volunteers within the structured peer-mentoring system to ensure safe student-to-student assistance.
- **Vulnerability Support:** Provide specialized support systems to address the unique issues of students from vulnerable groups, including those from rural backgrounds, female students, and LGBTQ+ individuals.

3a.4.5. Administration (DOSW, ADOSW, and Institute Leadership)

- **Leadership Orientation:** Mandatory mental health literacy orientation for all administrative leaders (DOSW/ADOSW) upon assuming office.
- **Structural Safeguards:** Implement safety audits, improve lighting in high-risk zones, and install privacy-compliant CCTV.
- **Digital Infrastructure:** Maintain a digital interface to provide students with self-assessment tools, psychoeducational resources, and digital forms for the anonymous reporting of harassment or emotional distress.
- **Policy Reform:** Transition from purely punitive disciplinary actions toward affirmative self-development and rehabilitation programs.
- **Institutional Recognition:** Designate and organize a specific “Wellness Day of the Institute” to promote campus-wide de-stigmatization initiatives.

3a.4.6. Parents or Guardians

Participate in Orientation: Attend annual orientation sessions designed to clarify the family’s specific role in safeguarding student well-being and reducing the stigma associated with seeking mental health support.

3b. Holistic Wellness Support

The IIT Roorkee, recognizes that mental health is not solely attributed to neurochemical imbalances but is influenced by lifestyle choices, environmental factors, and the individual's personal experiences.

3b.1 The Institute shall thus strive to provide a support system which is inclusive, holistic and easily accessible, thereby ensuring the wellbeing of all students and staff members, while being mindful of diverse needs.

This will include,

1. **Strengthening social support:** To foster a sense of belonging and to alleviate isolation, a **Student Mentorship Programme (SMP)** has been established wherein first-year students are paired with senior students who can guide and mentor them through their journey at IIT Roorkee.
2. **Peer-support groups:** Individuals facing similar challenges will be brought together as a group so they can share their experiences and doubts with appropriate supervision. These support groups as part of institutional mental health initiatives aimed at reducing distress related to everyday life stressors.
3. **Counselling and Psychological Services:** Professional psychological services will be available to students and staff to address mental health concerns and to support self-development.
4. **External Psychiatric Services:** For students and staff requiring specialised psychiatric care, the Institute will maintain referral linkages with external mental health professionals and establishments for appropriate medical attention.

5. **Administrative Support:** The various departments, such as the Academic department, will coordinate with each other to support students' academic continuity, facilitate accommodation if required, provide financial assistance, etc.
6. **Promoting Inclusivity and Equity:** The **Disability Support Unit** and the **Socio-Economically Disadvantaged Group Cell** will work in cohesion to provide inclusive support towards diverse needs. They will help identify barriers to access and, if any, issues with accommodation, and provide support to students and staff from vulnerable backgrounds.

3b.2 Language support system

1. The student should be provided with an ecosystem where they can communicate and be heard in their own regional language regarding their issues of concern.
2. Students who face difficulty in understanding academic lectures or assignments should be given adequate consideration so that their pace of learning can be aligned with that of their peers.

3b.3 Support System for Disability

1. The candidates will be sent disability and support information and invited to complete a questionnaire requesting information about the nature of the condition and any support requirements during the initial time of their admission to the campus.
2. Disability and support information will be shared with candidates while requesting information about the nature of the condition and any support requirements, through a questionnaire.

3. The institute will put into place any additional support, make any reasonable adjustments which may be required, and advise on funding such as Disabled Students' Allowance in time for the start of the programme.
4. If applicants choose not to disclose their disability, provide this information with short notice before their programme starts, or do not provide full information before their programme of study, the institute will provide as much support as possible, but may not be able to provide the full range of support which might otherwise be available or there may be a delay in providing that support.
5. Psychosocial support will be provided through a formal assessment by a Psychiatric Social Worker for any such reported cases, and an inclusive peer support system will be engaged.
6. An Ad-hoc committee can also be constituted in consultation with the Mental Health Advisory Committee, to address any issues of differently-abled individual.

3b.4 Support to navigate the transition:

1. An online well-being module will be created which will cover topics such as, managing change, dealing with low mood, self-care, digital well-being, and developing resilience. Prior to arrival, students will be provided the opportunity to complete this online well-being module.
2. A separate module will be created for the parents of students, which will provide an overview of a student's academic journey, a toolkit to support their child through these issues, an introduction to support services, and information on the parent/institution relationship and how to contact the Institute if they have concerns. Parents/guardians will be encouraged to complete this module at the time of their child joining the campus.

3. On a similar line, an online brief well-being module will be created for staff members to reduce mental health stigma, enhance help-seeking behaviour, self-care, and digital well-being. Staff recruited in any position at the Institute will be encouraged to complete this module at the time of joining.
4. A one-day program related to how to handle the transition phases of academic life (for students)/married life (for young teaching/non-teaching staff) shall be organized annually by the wellness centre Professionals/External professionals / Faculties/Administration.
5. Vibrant Campus Life: Ensure mandatory participation in physical activities, sports, or yoga, acknowledging that physical fitness is deeply interconnected with mental health.
6. Social Connectivity: Organize group activities, competitions, and "awareness days" (e.g., World Mental Health Day) to foster a sense of belongingness.
7. Group activities of Mindfulness exercises, meditation, Recreational activities, Expressive arts, Animal-assisted therapy (where feasible) will be encouraged with the help of existing resources.


20 MAR 2026

4. Prevention

4.1. Prevention refers to systematic and data-driven proactive measures to reduce risk factors, strengthen protective factors, and promote student well-being in order to minimize the likelihood of adverse outcomes. Such prevention is necessary because most mental health disorders are manageable when identified and reported in a timely manner.

4.1.1. Prevention of mental health conditions, including early intervention and crisis management, is essential to building a resilient and healthy campus community at IIT Roorkee.

4.1.2. Loneliness is a major risk factor and a strong link with mental health conditions, suicidal ideation, depression, academic burnout, and reduced well-being.

4.1.3. Digital platforms impact the mental health of youth, including emotional health, attention, sleep, identity, psychological boundaries in the digital space, and social relationships.

4.1.4. Identifying deterioration of self-care in oneself and by close ones, also prevents any psychological/emotional distress from escalating into major mental health conditions.

4.2. Institutional Prevention Measures

4.2.1. Administrative Level Measures

4.2.1.1. The Institute shall maintain a dedicated Centre staffed with licensed Mental Health Professionals (MHPs) to oversee preventive initiatives

under the supervision of the Institute Mental Health Committee.

- 4.2.1.2. Mental health check-ins, which primarily include risk factors, shall be integrated within academic programmes as well as in the joining of any staff.
- 4.2.1.3. Faculty's mental health shall be regularly monitored, recognizing faculty members as primary points of contact for students.
- 4.2.1.4. The focused group discussions, issue-specific workshops/lectures shall be organized for the IITR staff, which allow them to mitigate stress related to their personal and family situations.
- 4.2.1.5. Throughout the year, the institute shall organize similar programs which focus primarily upon awareness-raising actions to improve staff's own awareness of well-being and recognize when and how to ask for help.
- 4.2.1.6. Orientation-based awareness programmes shall be conducted, including expert lectures on mental health, substance abuse, and digital well-being.
- 4.2.1.7. Skill-based preventive training shall be conducted, including Gatekeeper training, Psychological First Aid, Life-Skill training, emotion-regulation skills training, and digital hygiene.

4.2.2. Faculty and Staff-Level Preventive Measures

- 4.2.2.1. A faculty advisor-to-student ratio (for example, 1:25) shall be maintained to enable regular academic and emotional support interactions.

4.2.2.2. Faculty advisors, wellness wardens, and department wellness representatives shall undergo gatekeeper training to enable early identification of warning signs and timely referral of students in distress, as well as psychological first aid, to create a triage between the mental health professional and the individual who requires help.

4.2.2.3. Inclusive observation practices shall be followed, with special vigilance toward students from vulnerable groups, including those from rural backgrounds, female students, and LGBTQ+ individuals.

4.2.3. Student-Level Preventive Measures

4.2.3.1. Structured social engagement shall be encouraged, particularly for individuals showing sudden or progressive changes in their interactions with others.

4.2.3.2. Peer-led and administrative support groups shall be established to provide:

- a. Emotional support (trust, care, and empathy)
- b. Informational support (guidance and resources)
- c. Instrumental support (tangible assistance and services)

4.2.3.3. Peer mentoring, peer learning, and peer-led support mechanisms shall be continued beyond the first year, recognizing that psychological stressors may arise throughout the academic lifecycle.

4.2.3.4. A peer-support ratio (for example, 1:20) shall be implemented, wherein trained student mentors function as gatekeepers to identify signs of distress among their wing mates or classmates.

4.2.4. Physical Infrastructure Measures

- 4.2.4.1.** Adequate lighting shall be ensured in high-risk areas, including hostel corridors, terraces, laboratories, libraries, and other identified locations across the campus.
- 4.2.4.2.** Safe and secure spaces shall be designated for confidential counseling at both the Institute and Bhawan (hostel) levels.
- 4.2.4.3.** Accommodation arrangements shall be made to ensure necessary supervision and attention at the ground-floor level at every Bhawan during crisis situations.

4.2.5. Focused Prevention Domains

4.2.5.1. Suicide prevention:

- 4.2.5.1.1.** Systematic identification of risk factors (irregular meals, poor attendance, hostel isolation, noticeable decline in personal hygiene, consistent academic failure, increased use of alcohol/substance use) associated with suicidal behavior.
- 4.2.5.1.2.** Recognition and documentation of red-flag warning signs.
- 4.2.5.1.3.** Timely reporting of observed indicators and warning signs through designated reporting channels.
- 4.2.5.1.4.** Proactive outreach to individuals showing warning signs through supportive and empathetic engagement.
- 4.2.5.1.5.** Enhancement of awareness and sensitivity regarding suicide risk and prevention across the campus community using Hope-oriented and

support-focused messages, displayed across the campus, including high-vulnerability locations.

- 4.2.5.1.6.** Promotion of help-seeking behavior and reduction of stigma associated with seeking mental health support.
- 4.2.5.1.7.** Organization of structured discussions, awareness programmes, and educational sessions on suicide and its prevention.
- 4.2.5.1.8.** The Institute shall regularly monitor mess attendance as a potential indicator of psychological distress, and ensure timely, confidential, and supportive intervention in collaboration with professionals of wellness centers and wellness wardens.
- 4.2.5.2. Alcohol and substance abuse prevention:**
 - 4.2.5.2.1.** Provision of counselling services and motivational enhancement therapy for individuals identified with substance use concerns.
 - 4.2.5.2.2.** The Institute shall maintain Memoranda of Understanding (MOUs) with recognized rehabilitation centres and maintain a referral directory of institutes across India for treatment and recovery support.
 - 4.2.5.2.3.** In cases involving substance abuse, the disciplinary committee may include a mental health professional, counsellor, or clinical psychologist as part of the review and decision-making process.

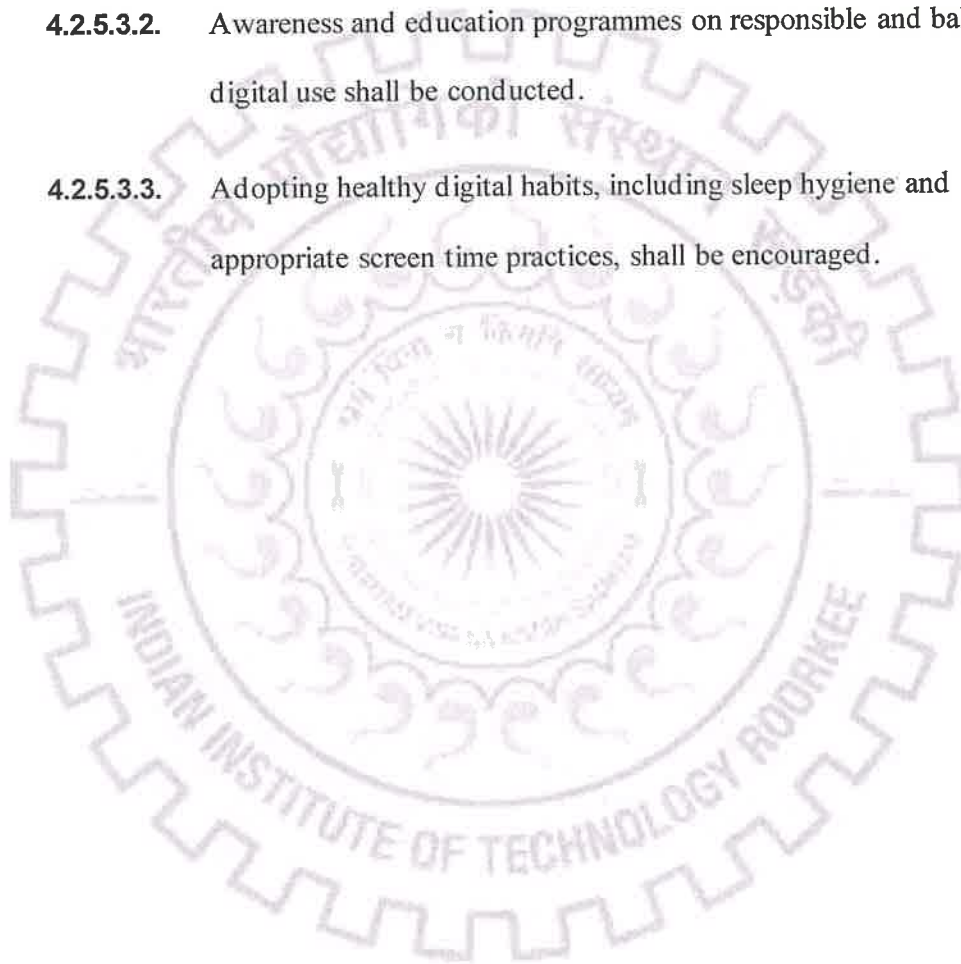

20 MAR 2026

4.2.5.3. Digital Well-Being Risk Prevention

4.2.5.3.1. Recognition of the impact of digital platform use on youth mental health shall be encouraged, including its effects on emotional well-being, attention, sleep patterns, identity formation, psychological boundaries in digital spaces, and social relationships.

4.2.5.3.2. Awareness and education programmes on responsible and balanced digital use shall be conducted.

4.2.5.3.3. Adopting healthy digital habits, including sleep hygiene and appropriate screen time practices, shall be encouraged.



4a. Early Identification

Early Identification in mental health refers to the systematic, proactive, and continuous process of recognizing early warning signs, risk factors, and emerging symptoms of psychological distress among individuals before they escalate into severe mental health crises, functional impairment, or self-harm. Early identification operates at academic, behavioural, emotional, and social levels, using human observation, structured screening tools, and institutional monitoring mechanisms, followed by timely referral and support.

How to carry out early identification

1. The institute shall encourage volunteer recognition and reporting of concerns related to student, faculty or staff well-being.
2. Peers, faculty members, significant others, and bhawan (hostel) administration shall be encouraged to observe and report early signs of concern.
3. Standardized screening tools shall be used regularly at the time of joining the institute and during annual appraisal or academic registration.
4. Faculty members and academic units shall be encouraged to monitor regular academic performance to identify unusual decline or change.
5. The quality of group participation shall be evaluated by the group leader or chair of the meeting.
6. Faculty and peers shall be encouraged to observe classroom and laboratory behavior for noticeable changes or concerns.
7. Social participation, attitude toward work, absenteeism, and any obvious change in the quality of work shall be reviewed as part of the early identification process.

8. Reports or feedback from family members, seniors, and peers shall also be taken into account as part of early identification measures.

Stakeholders involved:

1. Office of Dean of Academic Affairs and team involved like faculty advisors, department wellness representatives.
2. Office Dean of Students' Welfare, along with associated teams such as the Wellness Centre, Bhawan-level wardens, and student representatives.
3. Office Dean of Administration (in case of teaching and non-teaching staff)
4. DAPC Chairpersons
5. Head Of Departments/Centre
6. Chief Medical Officer and associated medical professionals (especially emergency duty professionals)
7. Professor in charge of Security and associated team



20 MAR 2026

4b. Crisis Management

The objective is to establish a coordinated, stigma-free, and psychologically informed crisis management system that enables early identification, rapid response, and post-crisis recovery for student mental well-being within the institute.

4 (b) (i) Broad categories of Crisis-

- **Mild:** Obvious disturbance in cognition and emotion, which does not lead to obvious dysfunction in behavior.
- **Sub-syndromal psychological problems:** Obvious disturbances but not meeting the criteria for a diagnosable condition
- **Day-to-day Distress:** Disturb quality of work and well-being
- **Interpersonal conflict issues**
- **Diagnosable Psychiatric conditions**

(Note- Such differences will be identified by the trained mental health professionals.)

4 (b) (ii) Common crisis situations on the campus

- Panic attacks
- Depressive episodes
- Anxiety episodes
- Burnout
- Acute intoxication of alcohol, substance
- Acute psychotics episodes
- Suicidal ideation or non-suicidal injury
- Suicidal Injury
- Intense disproportionate aggressive outburst

- Grief in response to loss of life of closed one
- Trauma related to sexual abuse
- Trauma related to serious financial loss
- Distress in response to any form of discrimination

4 (b) (iii) Crisis Management

The institute shall help in developing a **clear crisis response protocol** to ensure **cohesive communication** between counselling services, faculty, hostel staff, and administration.

Mandatory representation of Counselor in DInC, SC/ST Cell, GATI, ICC, PwD cell shall be done to ensure timely identification of crisis cases if any.

1. After identifying through various sources, qualified professionals would carry out a clinical assessment and, wherever required, suggest proper referral to a specialist and/or a Mental health establishment.
2. Such referred cases will be monitored by the wellness centre to check the progress and other desired facilitatory procedures. A specific professional would be assigned for such duties in the wellness centre.
3. The parental consent-related aspects will be linked with the submission of the essential required document at the time of admission, where a consent form for the parents to be introduced authorizing the institution to take the proper action for ensuring the timely and effective mental health care.
4. The institute would have a liaison with specific identified mental health establishments/services and a mechanism to refer students/ staff with the involvement of the institute's hospital administration, to avoid unnecessary delay in referral.

5. The referred student will be accompanied by the Bhawan Assistant Warden/ Peer team/ PSW, which will be called by the Bhawan Chief Warden with information to DoSW. All essential and required support will be provided through the DoSW office.

Primary responders at the time of crises & steps to be followed

	At department level	At hostel Level	At hospital level	Anywhere in campus
Primary responders	Faculty wellness representative/faculty advisor/Branch representative (for students) HODs (For faculty/staff)	Bhawan Supervisor/ Bhawan Wellness Secretary/ Bhawan Resi-Warden/Wellness wardens/ chief warden	On duty Medical Staff	Witness (student/ faculty/ staff)
Steps to be followed	1)Activate crises intervention protocol 2)Inform Wellness centre/ Mental Health professional/ ADOWS (SW) 3)Inform concerned hostel chief warden/ Wellness Warden /warden of the hostel of concerned student	1)Activate crises intervention protocol 2)Inform Mental Health professional of the specific bhawan/ mental health professional at wellness centre/Adosw (sw)	1)Activate crises intervention protocol 2)Provide immediate psychiatric consultation 3)Inform wellness centre 4)Inform respective bhawan Chief warden 5)Inform Adosw (sw)	1)Inform Security staff on duty 2)Inform PIC security & admit student to hospital

6. The Bhawan Wellness warden/ Chief warden in consultation with the psychiatrist/ concerned mental health professional shall immediately inform the family about the crisis.
7. The family shall always be encouraged to participate in the treatment of the student and must be informed and educated about the student with sensitivity.

8. The family member/guardians after reaching out to the campus shall be supported and psychoeducated about the health at concern by the mental health professional, preferably by psychiatric social worker/ psychiatric nurse.

4 (b) (iv) Post crisis interventions & administrative support: The institute shall continue to provide the needed support to the student/employee in terms of mental health care, therapeutic sessions, academic/ workplace assistance/relaxation, financial support and social integration to ensure the student/employee be able to sustain themselves with the environment of the institute.

1. The institute shall maintain a non-judgemental, stigma free approach towards the student/employee while assessing their ability to carry out their academic endeavors/ professional role & responsibilities.
2. The institute shall coordinate with the various departments to support students' academic continuity and facilitate accommodation if required.
3. The administration shall remain considerate and facilitate the individual in crisis, like granting extra time for an exam/ course, an extended stipend period.
4. Regular weekly follow-ups with the student/employee must be ensured for at least a month's time post crisis.
5. For students requiring specialized psychiatric care, the institute shall maintain referral linkages with external mental health professionals and hospitals for appropriate medical attention.
6. Utilize the indigenous institutional-designed portal for self-assessment tools and digital forms for reporting distress.

Protocols for specific crisis intervention: see Annexure



5. Referral Mechanism

- 5.1.** The referral mechanism shall operate through four channels to the Wellness centre:
- 5.1.1.** referral by any staff member or student of the institution.
 - 5.1.2.** referral by faculty members
 - 5.1.3.** referral through academic or administrative offices;
 - 5.1.4.** referral by medical or mental health professionals.
- 5.2.** All referrals, irrespective of the source, shall be initially routed to the Dean of Students' Welfare (DoSW). Upon receipt, an acknowledgment confirming the receipt of information shall be issued to the referring (index) person. A trained response team comprising students, professionals, and/or faculty members shall then be activated to assess the concern. Where required, a psychiatric social worker shall also be included in the response process.
- 5.3.** The identity of the individual or agency reporting the incident shall be kept confidential if they choose to remain anonymous.
- 5.4.** After the initial interaction with the concerned individual, the Response Team shall, in accordance with the case-specific Standard Operating Procedure (SOP), forward the referral to the next responsible official or designated mental health professional.
- 5.5.** The details of the action taken shall be communicated through official channels to the individual who provided the information.
- 5.6.** In cases identified as moderate to severe psychiatric illness, the Psychiatrist shall initiate consultation with the Institute Mental Health Committee and the Dean of Students' Welfare (DoSW). Upon obtaining informed consent from the parents or

legally authorized guardians, the case shall be formally referred to a higher centre for specialized treatment, care, and management.

- 5.7. Alumni of the Institute may access the Wellness Centre for referral facilitation in accordance with established procedures.



20 MAR 2026





Section-III

6. Record Keeping & Information Sharing

- 6.1.** An Institute's Mental Health Committee will be created to address any issues that come under this category.
- 6.2.** Maintaining confidentiality and respecting digital data privacy must remain a priority.
- 6.3.** Staff must work with students in accordance with this policy, within existing professional guidelines, and existing laws, especially MHCA, 2017, and DPDP Act 2023, and be accountable for the lawful basis under which information is disclosed.
- 6.4.** Students need to feel confident that any information they give will be treated with respect and only made available to others on a "need-to-know basis", or to protect a student's vital interests.
- 6.5.** Explicit written/digital consent or permission should be obtained before personal information is shared, and students should be made aware of who will be receiving the information and what information will be communicated.
- 6.6.** In the absence of express written consent, confidential information may only be disclosed when it is required by law, or the disclosure can be justified in the public interest (e.g., a student is deemed to be at risk to themselves or to others), clearly justified on a case-by-case basis.
- 6.7.** Everyone with access to personal data should be aware of their responsibilities and obligations to respect and protect confidentiality, complete all relevant mandatory training, and comply with the existing law and institute guidelines on the storing of personal information.
- 6.8.** The student/staff's mental health data will be recorded regularly by the trained professional, with sufficient objectivity and in clinical language, on a secure, encrypted digital portal.

- 6.9. The staff will regularly back up the stored data. In case of using the traditional method of recording clinical data, it will be kept in safe and secure custody. The duration of data retention with the institution will be in accordance with applicable existing laws.
- 6.10. Ensuring that any discussion about a student's mental health is conducted in private. Email communications/ messages should be kept to a minimum, anonymised if possible, and marked as "CONFIDENTIAL".
- 6.11. Reporting any unfortunate event in the institute to an outside agency other than a legal agency shall be done only through a designated institute official and in compliance with the institute's protocol and this policy.
- 6.12. The student's mental health records may be shared, strictly in the student's best interests and to enhance the effectiveness of this policy, only among designated mental health professionals and authorized institutional officials who fully understand the sensitivity of such policy.
- 6.13. Further, a formal communication shall be sent to the "Institute's Mental Health Advisory Committee" for information and necessary reference and records
- 6.14. Reporting of any unfortunate event within the Institute to external agencies, other than statutory or legal authorities, may be undertaken only through a designated Institute official and in alignment with the Institute's vision, communication protocols, and this policy.


20 MAR 2026

7. Monitoring & Review

7.1. An yearly systematic evaluation of the Mental Health Policy will be undertaken periodically in order to ensure the proper implementation and effectiveness of the policy, as well as to identify any gaps and allow for prompt correction action. This task will be shouldered by a Mental Health Monitoring Committee.

7.2. Establishment of a Monitoring Committee:

7.3. An institute-level Mental Health Monitoring Sub Committee under the Mental Health Committee will be established, which will be responsible for assessing the impact of the outreach and prevention programmes, crisis intervention mechanisms, feedback, and case management.

7.3.1. The committee will be chaired by ADOSW(SW). It will comprise atleast 4 members-

7.3.1.1. ADOSW(SW)

7.3.1.2. Senior professional of the wellness centre

7.3.1.3. Team wellness General Secretary

7.3.1.4. Psychiatrist, and/or Psychiatric social worker.

7.3.2. The monitoring will be conducted in September each year.

7.3.3. The monitoring report will be submitted to the Mental Health Committee for the record.

7.4. Reviewing the policy:

7.4.1. The Mental Health Committee of the Institute will review the policy every 3 years or as per existing laws/SC guidelines, to stay abreast with the legal and professional developments in the mental health domain.

7.4.2. The committee will take the appropriate time and consultation with experts/ researchers on the emerging issues on the campus.

7.4.3. The policy, after the review report, with its new and/or omitted inputs, and Director's approval, will be placed on the public forum for suggestions, comments.

7.4.4. The Review Committee shall comprise experts from the field of mental health, law, researchers from the field of gender inclusivity, digital health, addiction and self-harm.

7.5. Collaboration with External Mental Health Establishments:

7.5.1. The Institute will strive to collaborate with National and International Organisations of Mental Health Professionals in order to understand and advance its mental health services while staying attuned to advancements in areas of addiction, suicide prevention, and technology-related psychosocial risk factors.

7.5.2. This may be undertaken by signing Memorandums of Understanding (MoUs) with institutions like NIMHANS, IHBAS, RINPAS, AIIMS and similar others.



20 MAR 2026

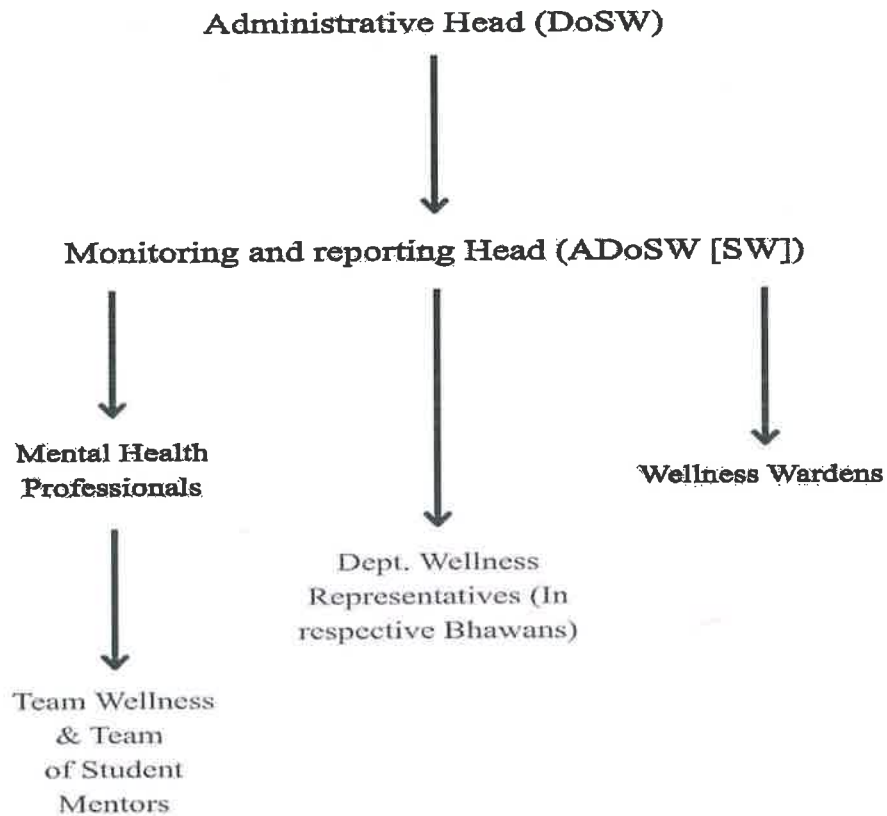


Section-IV

8. Mental Health Service Workforce Framework

IIT Roorkee adopts a **multi-tiered mental health workforce model** as per MHCA guideline.

CORE TEAM FLOWCHART



20 MAR 2026

8.1. Services to be provided by Wellness Centre

- 8.1.1.** Ensure timely access to first-line psychological care
- 8.1.2.** Provide individual psychotherapy and short-term supportive counseling
- 8.1.3.** Biofeedback
- 8.1.4.** Psychological assessments
- 8.1.5.** Early identification assessments
- 8.1.6.** Life-skill training programs
- 8.1.7.** Deliver crisis intervention and suicide risk assessment
- 8.1.8.** Facilitate family liaison when clinically appropriate
- 8.1.9.** Provide referrals for community, governmental, or external mental health resources
- 8.1.10.** Assist with rehabilitation and reintegration following crises
- 8.1.11.** Maintain clinical documentation and outcome monitoring
- 8.1.12.** Reduce crisis escalation through early identification and intervention
- 8.1.13.** Promote academic functioning and psychological resilience
- 8.1.14.** Contribute to campus-wide mental health literacy initiative
- 8.1.15.** Orientation program for new entrants and their parents

- 8.1.16.** Rehabilitative aids and Financial aids to extended PhD scholars
- 8.1.17.** Psycho-educational training modules and awareness workshops
- 8.1.18.** Research & training
- 8.1.19.** *Provide consultation for complex or treatment-resistant cases
- 8.1.20.** Support risk management for acute psychiatric emergencies
- 8.1.21.** Assess psychosocial stressors and environmental risk factors
- 8.1.22.** Address treatment dropout
- 8.1.23.** Strengthen social support systems
- 8.1.24.** Ensure continuity of care beyond campus when required
- 8.2. Peer Support Volunteers (ARP, SMP and Team Wellness) and Wellness Wardens.**
 - 8.2.1. Core responsibilities**
 - 8.2.1.1.** Act as the first point of contact for peers experiencing distress
 - 8.2.1.2.** Promote mental health awareness and destigmatization
 - 8.2.1.3.** Facilitate referrals to professional services
 - 8.2.1.4.** Participate in outreach activities under supervision


20 MAR 2026

8.2.2. Workload, Capacity, and Quality Assurance

To avoid reactive and crisis-driven service delivery, workforce planning at IIT

Roorkee shall ensure:

8.2.2.1. Reasonable clinician caseloads aligned with best-practice recommendations

8.2.2.2. Dedicated time allocation for preventive programs, outreach, and training

8.2.2.3. Recognition of administrative and documentation demands in workload planning

8.2.2.4. Regular clinical supervision, peer consultation, and case review

8.2.2.5. Clear role definitions and ethical boundaries

8.2.3. Training, Supervision, and Interdisciplinary Collaboration

8.2.3.1. Institutional policy shall support:

8.2.3.2. Continuous professional development in evidence-based interventions relevant to student and academic population.

8.2.3.3. Interdisciplinary collaboration among mental health professionals, medical services, academic leadership, and student welfare bodies.

8.2.3.4. Recognition of the contributions of Wellness Centre professionals at the Bhawan and Institute levels may be

incorporated within a “Care of the Carer” framework to support staff wellbeing and professional sustainability.

8.2.3.5. As part of workforce wellbeing initiatives, compassion fatigue among mental health professionals may be addressed through bi-monthly engagement with external professionals.

8.2.3.6. Mental Health Professionals shall be recognised as a high-risk functional group due to the demands of their role, with institutional measures in place to support burnout prevention and professional wellbeing.

8.2.3.7. Institutional frameworks shall emphasise systems-based understanding of critical incidents, ensuring that Mental Health Professionals are supported through transparent review processes and protected from individualised blame in the absence of professional negligence.

8.2.3.8. Regular professional development, supervision, and peer-support mechanisms may be instituted to support clinical quality and professional sustainability.


20 MAR 2026

9. Financing & Resource Allocation

Mental Health Policy implementation will be a collective responsibility of the institute. The institute shall allocate sufficient funds annually to undertake the activities as mentioned in the policy as follows: -

- 9.1.** Mental Health Services - Institute shall allocate funds to hire services from qualified Mental health professionals to maintain the required professionals to targeted population ratio as per MHRD norms/existing laws
- 9.2.** Sensitization & awareness activities - It shall be the primary responsibility of the wellness center, under the aegis of DoSW organization. Funds shall be made available to the Wellness Center as a wellness fund for conducting these activities.
- 9.3.** Early identification & life skill course (through psychological profiling) - It shall be funded by DoSW office at the time of orientation & registration.
- 9.4.** Crisis Management - It shall be taken care of by DoSW, Wellness Centre & Institute Hospital. Funds shall be allocated by DoSW, Wellness Centre and Institute Hospital. The crisis management shall be funded by the Respective Bhawans.
- 9.5.** Capacity Building - It shall be implemented and funded by multiple Departments –

DOAA - Capacity Building of Faculty members

Dean Administration - Capacity Building of Staff members

DoSW - Capacity Building of PoR, Mental health professionals
- 9.6.** Infrastructural and Appropriate Space - In line with the institute's master plan appropriate and sufficient space will be allocated for the Wellness Centre.

The funds related to creation and future extension of facilities will be arranged through the Dean of Infrastructure.

- 9.7.** Research & Clinical training - As the policy in its framework is used through evidence-based practice and data-driven inputs, funds will be allocated to carry out the research work which aligns with the objectives of this policy or as per future necessities, through Dean SRIC. The Wellness Centre shall be provided with soundproof, private infrastructure to ensure student dignity and confidentiality during counseling sessions.
- 9.8.** Support shall be provided to the Wellness Centre's MHPs for enhancing their clinical expertise and knowledge through nationally and internationally recognized Experts/Workshops/ Conference


20 MAR 2026

10. Mental Health Advisory Committee of the Institute

10.1. The institute will establish a committee, called as “Mental Health Advisory Committee of IIT Roorkee”, for a period of four years with revision or reconstitution upon completion of the term.

10.2. Structure - The committee will be chaired by the Dean of Students’ Welfare,

10.2.1. (In case of students): comprising a total of 6 members, which includes ADoSW(SW), one informed (should have lived experience and/or strong interest in mental health) senior faculty member, one senior internal medical professional/psychiatrist, one external mental health professional from the mental health establishment, and two senior internal mental health professionals.

10.2.2. (In case of teaching & non-teaching staff): comprising of Deputy Director, ADoSW(SW), one informed senior non-teaching staff, one informed (should have lived experience and/or strong interest in mental health) senior faculty member, one senior internal medical professional/psychiatrist, one external mental health professional from the mental health establishment, and one senior internal mental health professional.

10.2.3. A specially invited member (such as a medical professional/ from a referred hospital/mental health establishment) can also be included to support informed decision-making, where the individual has taken the treatment after referral from the institute.

10.3. The committee members will meet twice each year, where one of the meetings must be held around 10th October.

10.4. During the emergency, a telephonic meeting or consultation with committee members can be arranged.

10.5. (a) Primary Functions -

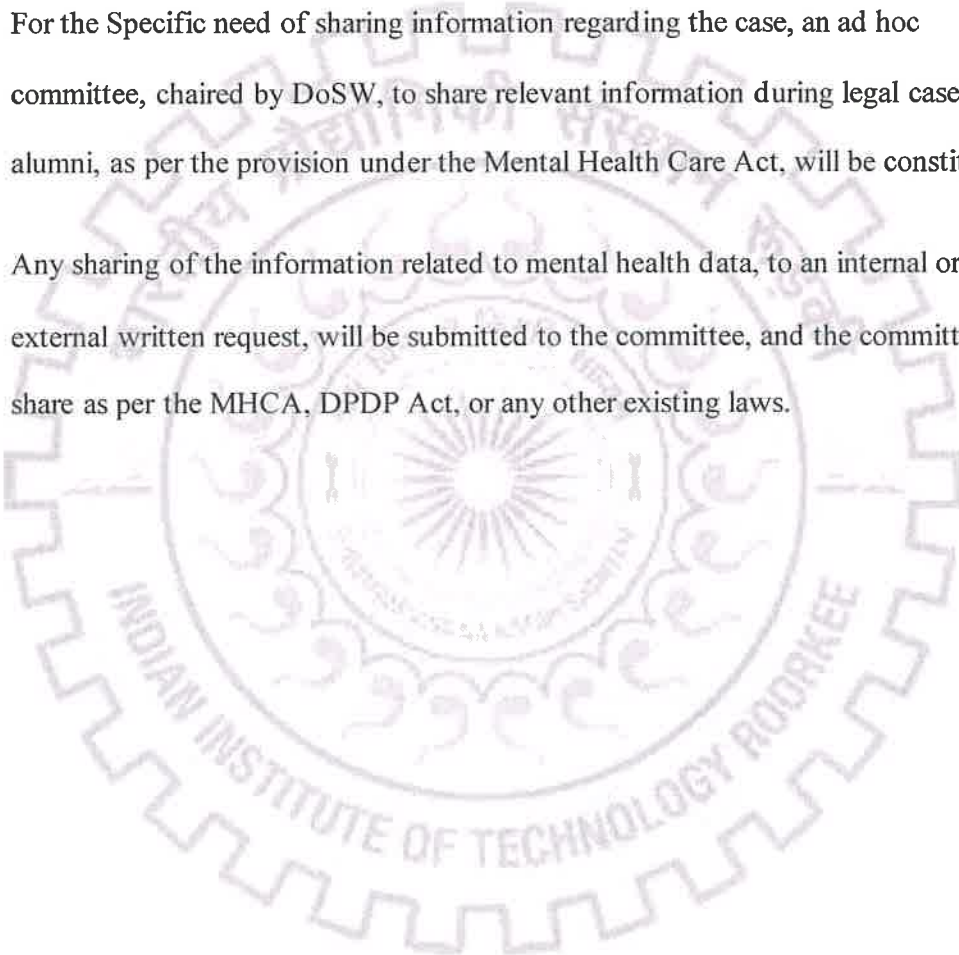
1. Ensure the implementation process of this policy for the welfare and mental well-being of the IIT Roorkee community, keeping the safety of life as a priority.
2. Monitor the risks to implementation and provide recommendations to reduce, manage or mitigate those risks.
3. Review and recommend innovative and data-driven promising practices that will benefit the IIT Roorkee community.

(b) Other Functions -

1. The committee will ensure the scrutiny & management of data recording related to mental health, as well as provide advisory services on legal aspects and RTIs related to mental health issues.
2. Records and information pertaining to matters addressed by the Institute's Mental Health Committee may be maintained through secure and confidential processes, with information sharing restricted to authorised members on a need-to-know basis and guided by legal, ethical, and institutional frameworks.
3. Consent-based information sharing may be followed wherever feasible; however, in circumstances of imminent risk or duty of care, limited

information may be shared without prior consent, guided by safety, legality, and ethical responsibility.

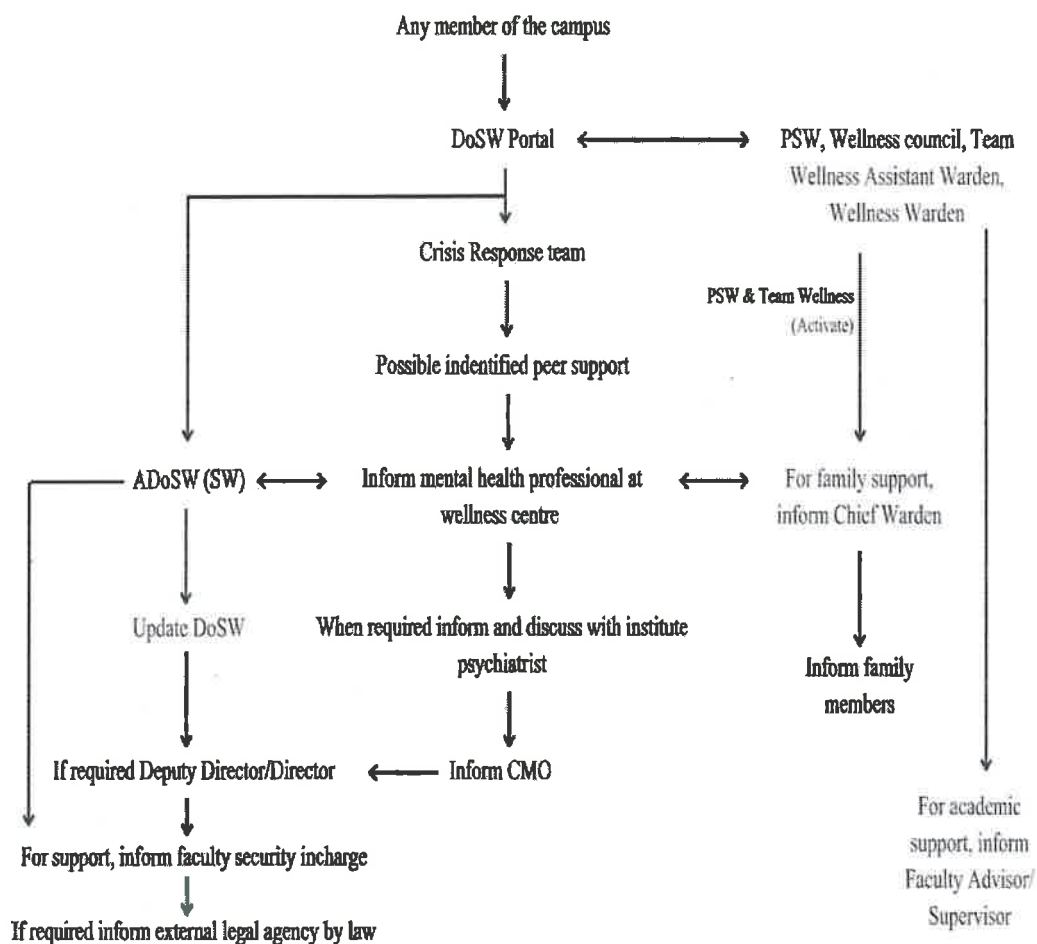
- 10.6.** The committee can form an ad-hoc subcommittee for any other purpose, which is aligned with the vision mentioned in this policy, with due information to the Director.
- 10.7.** For the Specific need of sharing information regarding the case, an ad hoc committee, chaired by DoSW, to share relevant information during legal cases or by alumni, as per the provision under the Mental Health Care Act, will be constituted.
- 10.8.** Any sharing of the information related to mental health data, to an internal or external written request, will be submitted to the committee, and the committee will share as per the MHCA, DPDP Act, or any other existing laws.




20 MAR 2026

10. Annexures

IN ALL CASES RELATED TO MENTAL HEALTH- GENERAL INFORMATION FLOW CHART



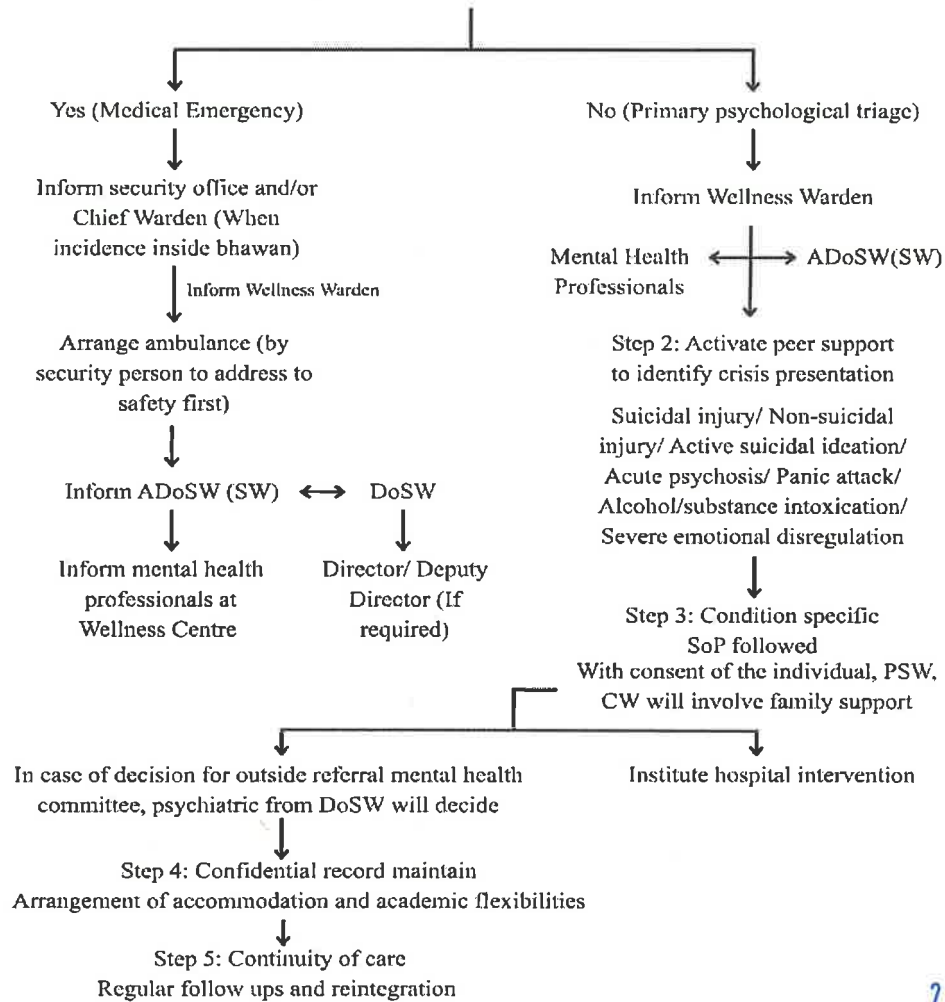
20 MAR 2026

MODERATE TO SEVERE CASES

Any campus stakeholder (student or staff) observes or receives report

Step 1: Immediate safety & medical care

Condition- a) unconsciousness/severe physical injury/ breathing difficulty
b) violent/uncontrollable behaviour



20 MAR 2026

Undertaking Letter by the Parents

I, ... parent/guardian of student, would like to formally inform that our son/daughter has been experiencing mental health difficulties related to for (time period)

Regarding this we met,

1. Administration
2. Mental Health Professional at Wellness Centre
3. Psychiatrist,

By the above authorities, it was strongly recommended to either stay on campus with our son/daughter or take her/him home to monitor and provide better care for his mental health.

We have also been psychoeducated by the mental health professional regarding our ward's mental health and necessary steps to be taken to ensure safety and support of our ward which includes staying with our ward.

We have decided not to stay on campus, nor are we taking him/her home. We hereby take full responsibility for our ward's mental and physical health. We understand that, henceforth, the institution will not be held accountable for any future issues related to his/her health. We are leaving our ward on campus under our sole responsibility and we ensure that we and our ward will stay in constant contact with mental health professionals.

Signed,

Parent


20 MAR 2026