

भारतीय प्रौद्योगिकी संस्थान दिल्ली
INDIAN INSTITUTE OF TECHNOLOGY DELHI
MINUTES OF 231st MEETING OF THE SENATE
HELD ON 19th FEBRUARY 2025 AT 03:00 PM
IN THE SENATE ROOM

The 231st Meeting of the Senate was held on 19th February 2025 at 03:00 pm in the Senate Room. Names of Members/Special Invitees, who attended the meeting, are given in **[Appendix – A]**.

Due to non availability of the quorum, the meeting was adjourned at 3:05 p.m. and reconvened at 3:10 p.m.

At the outset, the Chairperson Senate thanked Prof. A.N. Bhaskarwar, Department of Chemical Engineering, the outgoing member for his valuable contributions to the Senate.

Item No. 1: Confirmation of minutes of 230th meeting of the Senate held on 27.11.2024

The minutes of the 230th meeting of the Senate, held on 27th November 2025 were confirmed, except for item no. 4(4) regarding the composition of HU category courses. It was informed that this matter forms item 2(ii) of the agenda. The decision of Senate can be seen there.

Item No. 2: Action Taken Report on previous meetings of the Senate

The action taken on the following matters of the previous meetings of Senate was presented in the meeting:

(i) To consider the recommendation of the Committee to explore the effect of generative Artificial Intelligence.

It was informed that that meetings with Microsoft were held regarding licenses for CoPilot as part of the existing agreement for their products. Enquiries sent to OpenAI have remained unanswered.

(ii) To consider and discuss the concept note for the new curriculum.

The matter regarding composition of HU category courses was discussed in detail. After detailed discussion, the Senate decided as under:

1. There will be two baskets i.e. (i) Humanities (HU) and (ii) Self, Society & World (SSW).
The number of credits in these baskets can be 9 & 6 or 12 & 3 respectively, which will be decided by the AUs for their programs. The HU basket will have courses from the HuSS Department, whereas SSW basket may have courses from HuSS, DMS, SoPP, CRDT, Design and NRCVEE. Courses would typically be in (but not limited to) the areas of public policy, rural development, management, design, value education, humanities and the social sciences.

2. For implementation purposes, Academic units floating courses in the SSW basket will have to commit requisite number of seats in the courses they will float in each semester so as to meet the student requirements in this basket. There will be a Committee to decide courses forming the SSW basket.

The Senate also noted the DFB minutes of the Department of Humanities & Social Sciences not endorsing the reduction in the credits of the HU category from the existing 15 credits.

(iii) To consider the recommendations of the VCSC on the following proposal pertaining to IIT Delhi – Abu Dhabi

(a) New Academic programs for 2025

It was informed that a new Academic Program of B. Tech. in Chemical Engineering has been announced.

(b) Change in criteria for UG Admissions for 2025

It was informed that the new criteria for UG admissions has been announced, and a new cycle of admissions through CAET/ JEE Advanced exam is being operationalized through the JEE/CAET Office, and the Admissions Committee.

(iv) To consider the proposal to change the name of the ‘Department of Civil Engineering’ to the ‘Department of Civil and Environmental Engineering’

The Senate was informed that as decided in the last meeting, the proposal for change of name of Department of Civil Engineering was sent to the Academic Units for comments/feedback. The Senate noted the comments/feedback received from the Academic Units and observed that the proposal was well received by the Academic Units.

After discussion, the Senate recommended the proposal to the Board of Governors for changing the name of Department of Civil Engineering’ to the ‘Department of Civil and Environmental Engineering’.

(v) Request to continue study after award of Diploma

It was informed that the proposal for re-entry of students, who had chosen to exit the Institute after receiving degree/diploma, is under discussion.

Item No. 3: To consider M.Tech. and MS(R) programmes template as per new curriculum

The Senate was informed that the draft programme templates for the M.Tech. and MS (R) programmes from the Academic Units have been approved by the Curriculum Implementation Committee (CIC) over its several meetings.

After discussion, the Senate decided to circulate the M.Tech. and MS (R) programme templates to the Senators for comments/feedback. It was decided that the final proposal will be presented before the Senate in its next meeting.

Item No. 4: To approve the draft PG certificate template for online PG diploma programs

The draft PG certificate for online PG Diploma programs was presented to the Senate. After discussion, the Senate recommended the draft PG certificate to the Board of Governors with minor change in the Hindi title. The revised certificate is given at **Appendix 1**.

<u>RESOLUTION NO. 2025/231/1:</u>	RESOLVED THAT the draft PG certificate template for online PG Diploma programs, as given in Appendix 1 , be recommended to the Board of Governors.
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Item No. 5: To consider the proposal received from the Ministry of Education regarding the revision of eligibility criteria for admission to research programs in Indian institutions for candidates with a four-year BS degree

The Senate was informed that the Ministry of Education, via DO Letter No. 13-50/2024/TC dated 20th September 2024, has requested Indian institutes to examine the eligibility of four-year BS degrees for programs that previously required a three-year BSc followed by a two-year MSc. According to the MoE, this change would make Indian institutions attractive destinations for students from four-year BS programs, aligning with the principles set forth in the National Education Policy, which recognizes the four-year BS as a standard undergraduate degree.

The matter was discussed in detail. After discussion, it was decided to send the proposal to the Academic Units for comments/feedback.

Item No. 6: To consider the proposal regarding a Minor area in Biomedical Engineering from the Centre for Biomedical Engineering

The Senate was informed that Centre for Biomedical Engineering has proposed a Minor area in Biomedical Engineering. The objectives of the proposed minor area are to expose and excite students about the role of engineering and innovation in addressing national healthcare needs and to provide opportunity to engage in technology development & entrepreneurship.

The Senate noted that the following courses have been proposed to be available for students to complete minimum 20 credits to qualify for Minor in Biomedical Engineering:

Core Courses	
Course	Credits
BML300 Healthcare Engineering	3 credits (2 0 2)
BMD742 Minor Project	4 credits (0 0 8)
Total Credits	7

Electives	
Course	Credits
BML401 Healthcare Entrepreneurship	3 credits (2 0 2)
BML700 Intro. to Basic Medical Sciences for Engineers	3 credits (3 0 0)
BML720 Medical Imaging	3 credits (3 0 0)
BML735 Biomedical Signal and Image Processing	3 credits (2 0 2)
BML750 Point of Care Medical Diagnostic Devices	3 credits (3 0 0)
BML770 Fundamentals of Biomechanics	3 credits (3 0 0)
BML772 Biofabrication	3 credits (3 0 0)
BML810 Tissue Engineering	3 credits (3 0 0)
BML820 Biomaterials	3 credits (3 0 0)
BML830 Biosensor Technology	4 credits (3 0 2)
BML771 Orthopaedic Device Design	2 credits (2 0 0)
BML760 Biomedical Ethics, Safety and Regulatory Affairs	2 credits (2 0 0)
BML740 Biomedical Instrumentation	3 credits (3 0 0)
BML741 Medical Device Design	4 credits (2 0 4)
BML774 Soft Tissue Characterization and Applications	4 credits (3 0 2)
BML790 Modern Medicine: An Engineering Perspective	3 credits (2 1 0)
BML850 Cancer: Diagnosis and Therapy	3 credits (3 0 0)
BML880 Healthcare Wearables: Design and Applications	3 credits (2 0 2)
Total Credits	13

After discussion, the Senate approved the proposal with the following changes:

1. The course BMD742 – Minor Project be changed to BMD4XX - Mini project.
2. More courses in the elective basket may be included from other Academic Units, in the related areas, with their consent.

<u>RESOLUTION NO. 2025/231/2:</u>	RESOLVED THAT the proposal regarding a Minor area in Biomedical Engineering from the Centre for Biomedical Engineering be approved with the suggested changes as above.
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Item No. 7: To consider recommendations of the Committee constituted to look into matters linked to the Final Stage of the PhD Degree

The agenda was deferred to the next meeting.

Item No. 8: To consider the proposal from the Department of Applied Mechanics to replace MTL107 in the B.Tech. Engineering and Computational Mechanics curriculum with the newly proposed APL109

The Senate considered the recommendations of the BAP regarding proposal of Department of Applied Mechanics for replacing the course MTL107 (Numerical Methods and Computations, 3-0-0) in the B.Tech. in Engineering and Computational Mechanics

curriculum with a newly proposed course APL109 (Numerical Methods and Computations, 3-0-0). After deliberations, the Senate approved the recommendations of the BAP.

<u>RESOLUTION No. 2025/231/3:</u>	RESOLVED THAT the recommendations of the BAP regarding proposal of Department of Applied Mechanics for replacing the course MTL107 (Numerical Methods and Computations, 3-0-0) in the B.Tech. in Engineering and Computational Mechanics curriculum with a newly proposed course APL109 (Numerical Methods and Computations, 3-0-0) be approved
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Item No. 9: To consider floating of a new course (MCL727) by the Department of Mechanical Engineering

The Senate considered the recommendations of the BAP regarding floating of a new course (MCL727, “Combustion Kinetics”, 2-0-2) by Department of Mechanical Engineering. After deliberations, the Senate approved the recommendations of the BAP.

<u>RESOLUTION No. 2025/231/4:</u>	RESOLVED THAT the recommendations of the BAP for floating a new course (MCL727, “Combustion Kinetics”, 2-0-2) by Department of Mechanical Engineering be approved.
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Item No. 10: To consider floating of a new course (OPL720) by the Optics and Photonics Centre

The Senate considered the recommendations of the BAP regarding floating of a new course (OPL720, “Artificial Intelligence for Photonics”, 3-0-0) by Optics and Photonics Centre. After deliberations, the Senate approved the recommendations of the BAP.

<u>RESOLUTION No. 2025/231/5:</u>	RESOLVED THAT the recommendations of the BAP for floating of a new course (OPL720, “Artificial Intelligence for Photonics”, 3-0-0) by Optics and Photonics Centre be approved.
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Item No. 11: To consider floating of a new course (HSL674) by the Department of Humanities and Social Sciences

The Senate considered the recommendations of the BAP regarding floating of a new course (HSL674, “The City and its Literatures”, 3-0-0) by the Department of Humanities and Social Sciences. After deliberations, the Senate approved the recommendations of the BAP.

<u>RESOLUTION No. 2025/231/6:</u>	RESOLVED THAT the recommendations of the BAP for floating of a new course (HSL674, “The City and its
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	Literatures”, 3-0-0) by the Department of Humanities and Social Sciences be approved.
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Item No. 12: To consider floating of new courses (HSL690 & HSL691) by the Department of Humanities and Social Sciences

The Senate considered the recommendations of the BAP regarding floating of two new courses [(HSL690, “Anthropocene and its Discontents”, 3-0-0) and (HSL691, “We are what we eat: Perspectives on Food, Health and Society”, 3-0-0)] by the Department of Humanities and Social Sciences. After deliberations, the Senate approved the recommendations of the BAP.

<u>RESOLUTION No. 2025/231/7:</u>	RESOLVED THAT the recommendations of the BAP for floating of two new courses [(HSL690, “Anthropocene and its Discontents”, 3-0-0) and (HSL691, “We are what we eat: Perspectives on Food, Health and Society”, 3-0-0)] by the Department of Humanities and Social Sciences be approved.
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Item No. 13: Ratification Items

(i) To consider proposal regarding online PG Diploma in Healthcare Product Development and Management through CEP

The Senate ratified the approval accorded by the Chairperson, Senate for starting online PG Diploma in Healthcare Product Development and Management through CEP.

(ii) To consider proposal regarding online “PG Diploma in VLSI Design” proposed by Department of Electrical Engineering

The Senate ratified the approval accorded by the Chairperson, Senate for starting online “PG Diploma in VLSI Design” by Department of Electrical Engineering.

(iii) To consider proposal regarding online PG Diploma in Electric Vehicle (EV) Technology through CEP

The Senate ratified the approval accorded by the Chairperson, Senate for starting online PG Diploma in Electric Vehicle (EV) Technology through CEP.

(iv) Proposal received from Transportation Research and Injury Prevention Centre (TRIP-C) for floating new 1-Credit Courses

The Senate ratified the approval accorded by the Chairperson Senate to start new 1-Credit Course (TRV755, “Understanding Cost of Transportation Externalities”) by Transportation Research and Injury Prevention Centre (TRIPC):

S.No.	Course No.	Course Title	L-T-P	Credits
1	TRV755	Understanding Cost of Transportation Externalities	1-0-0	1

(v) Proposal received from Head, Optics & Photonics Centre for floating of new 1-Credit Courses

The Senate ratified the approval accorded by the Chairperson Senate to start new 1-Credit Courses [(OPV731, “Coherence and Quantum Dynamics”) and (OPV732, “Theory of Optical Coherence “)] by Optics & Photonics Centre:

S.No.	Course No.	Course Title	L-T-P	Credits
1	OPV731	Coherence and Quantum Dynamics	1-0-0	1
2	OPV732	Theory of Optical Coherence	1-0-0	1

Item No. 14: Reporting Items

(i) To report the Minutes of the Meetings of BERP & BAP

The Senate noted the minutes of the BERP & BAP meetings.

BERP Meeting:

1. **126th Meeting held on 25th November 2024:**
<https://owncloud.iitd.ac.in/nextcloud/index.php/s/xRXYJ7w6nGxyaZW>

BAP Meeting:

1. **60th Meeting held on 13th November 2024:**
<https://owncloud.iitd.ac.in/nextcloud/index.php/s/QyrE6N4LctbboPi>

Other Items

Item 15: Conduct of Senate meetings

The Chairperson raised the issue regarding (i) Venue of Senate meeting and (ii) Use of ‘Senator’ email group.

(i) Venue of Senate meetings

It was decided that the Senate meetings will be held in the Senate Room, with a provision of shifting to the Seminar Hall / Dogra Hall depending on the attendance at the meeting.

(ii) Use of “Senator” email group

It was decided that an email group for communication of meeting notice, agenda and minutes by the Registrar will be created with the rights to sending email in the list only with the Registrar.

It was also decided that an email discussion group will be created for Senators with ‘opt -in’ and ‘opt-out’ option.

The Chairperson thanked the members and special invitees for attending the meeting.