



Indian Institute of Technology Indore

Minutes of the 58th meeting of the Senate held on November 26, 2025 (Wednesday) at 3.00 p.m.

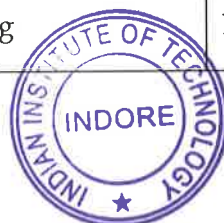
Attendance of Members of Senate of IIT Indore Members of Senate of IIT Indore

Chairman			Mode of Attendance
Professor Suhas S. Joshi		Director, IIT Indore	Present
External Experts			
1	Professor Himanshu Rai	Director, IIM Indore	Leave of Absence
2	Shri Unmesh D. Malshe	Director, RRCAT	Leave of Absence
3	Professor Abhiram G. Ranade	Professor, IIT Bombay	Leave of Absence
Deans			
4	Professor Vipul Singh	Dean, Academic Affairs	Present
5	Professor Sandeep Chaudhary	Dean, Administration	Leave of Absence
6	Professor Prabhat Kumar Upadhyay	Dean, International Relations	Online Attended
7	Professor Pankaj R. Sagdeo	Dean of Infrastructure Development	Present
8	Professor Abhirup Datta	Dean, Research and Development	Leave of Absence
9	Professor Amod C. Umarikar	Dean, Student Affairs	Online Attended
10	Professor Suman Mukhopadhyay	Dean, Alumni and Corporate Relations	Online Attended
11	Professor Abhishek Srivastava	Dean, Faculty Affairs	Online Attended
12	Professor Devendra L. Deshmukh	Dean, Educational Outreach	Online Attended
13	Prof. Satya S. Bulusu	Dean, IT Infrastructure & Automation	Online Attended

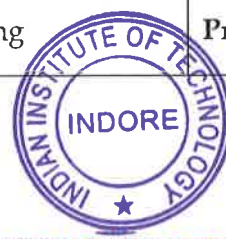


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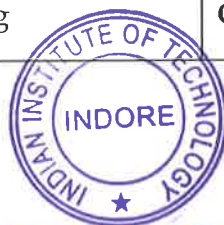
Head of Departments			
14	Dr. Gourab Sil	HOD, Civil Engineering	Present
15	Dr. Ranveer Singh	HOD, Computer Science and Engineering	Online Attended
16	Dr. Swaminathan R.	HOD, Electrical Engineering	Present
17	Professor Shanmugam Dhinakaran	HOD, Mechanical Engineering	Online Attended
18	Dr. Ajay Kumar Kushwaha	HOD, Metallurgical Engineering and Materials Science	Present
19	Dr. Saurabh Das	HOD, Astronomy, Astrophysics and Space Engineering	Present
20	Professor Tushar Kanti Mukherjee	HOD, Chemistry	Online Attended
21	Dr. Sanjeev Singh	HOD, Mathematics	Online Attended
22	Professor Preeti A. Bhohe	HOD, Physics	Present
23	Dr. Eswara Prasad Kormilli	HOD, Chemical Engineering	Present
Head of Schools			
24	Professor Ruchi Sharma	HOD, Humanities and Social Sciences	Online Attended
25	Dr. Parimal Kar	HOD, Mehta Family School of Biosciences and Biomedical Engineering	Leave of Absence
26	Professor Pritee Sharma	HOD, Mehta Family School of Sustainability	Online Attended
Professors			
27	Professor Neelesh Kumar Jain	Mechanical Engineering	Leave of Absence
28	Professor Anand Parey	Mechanical Engineering	Leave of Absence
29	Professor Ram Bilas Pachori	Electrical Engineering	Leave of Absence
30	Professor Abhinav Kranti	Electrical Engineering	Leave of Absence
31	Professor Vimal Bhatia	Electrical Engineering	Leave of Absence



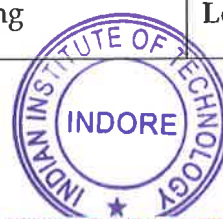
32	Professor Rajneesh Misra	Chemistry	Leave of Absence
33	Professor Suman Mukhopadhyay	Chemistry	Online Attended
34	Professor Subhendu Rakshit	Physics	Leave of Absence
35	Professor Krushna R. Mavani	Physics	Online Attended
36	Professor Sarika Jalan	Physics	Online Attended
37	Professor Sandeep Chaudhary	Civil Engineering	Leave of Absence
38	Professor Avinash Sonawane	Biosciences and Biomedical Engineering	Online Attended
39	Professor G. S. Murthy	Biosciences and Biomedical Engineering	Leave of Absence
40	Professor Santosh Kumar Vishvakarma	Electrical Engineering	Leave of Absence
41	Professor Shaibal Mukherjee	Electrical Engineering	Leave of Absence
42	Professor Vipul Singh	Electrical Engineering	Present
43	Professor Prabhat Kumar Upadhyay	Electrical Engineering	Online Attended
44	Professor Trapti Jain	Electrical Engineering	Leave of Absence
45	Professor Mukesh Kumar	Electrical Engineering	Leave of Absence
46	Professor Manish Kumar Goyal	Civil Engineering	Leave of Absence
47	Professor Neelima Devarakonda Satyam	Civil Engineering	Leave of Absence
48	Professor Palani Iyamperumal Anand	Mechanical Engineering	Leave of Absence
49	Professor Bhupesh Kumar Lad	Mechanical Engineering	Online Attended
50	Professor Santosh Kumar Sahu	Mechanical Engineering	Leave of Absence
51	Professor Ritunesh Kumar	Mechanical Engineering	Leave of Absence
52	Professor Dhinakaran Shanmugam	Mechanical Engineering	Present



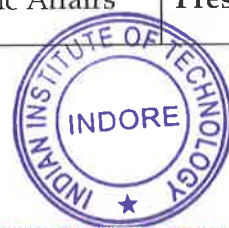
53	Professor Aruna Tiwari	Computer Science and Engineering	Leave of Absence
54	Professor Abhishek Srivastava	Computer Science and Engineering	Online Attended
55	Professor Kapil Ahuja	Computer Science and Engineering	Leave of Absence
56	Professor Abhirup Datta	Astronomy, Astrophysics and Space Engineering	Leave of Absence
57	Professor Amit Kumar	Biosciences and Biomedical Engineering	Leave of Absence
58	Professor Prashant Kodgire	Biosciences and Biomedical Engineering	Online Attended
59	Professor Sk. Safique Ahmad	Mathematics	Leave of Absence
60	Professor Apurba Kumar Das	Chemistry	Leave of Absence
61	Professor Sampak Samanta	Chemistry	Leave of Absence
62	Professor Sanjay Kumar Singh	Chemistry	Leave of Absence
63	Professor Biswarup Pathak	Chemistry	Leave of Absence
64	Professor Nirmala Menon	Humanities and Social Sciences	Leave of Absence
65	Professor Pritee Sharma	Humanities and Social Sciences	Online Attended
66	Professor Ruchi Sharma	Humanities and Social Sciences	Online Attended
67	Professor Preeti Anand Bhobe	Physics	Present
68	Professor Rajesh Kumar	Physics	Leave of Absence
69	Professor Sudeshna Chattopadhyay	Physics	Leave of Absence
70	Professor Parasharam M. Shirage	Metallurgical Engineering and Materials Science	Leave of Absence
71	Professor Swadesh K. Sahoo	Mathematics	Leave of Absence
72	Professor Raghunath Sahoo	Physics	Present
73	Professor Amod C. Umarikar	Electrical Engineering	Online Attended



74	Professor Vivek Kanhangad	Electrical Engineering	Leave of Absence
75	Professor Srivathsan Vasudevan	Electrical Engineering	Online Attended
76	Professor Devendra L. Deshmukh	Mechanical Engineering	Online Attended
77	Prof. Pankaj Ramesh Sagdeo	Physics	Present
78	Prof. Ankhi Roy	Physics	Present
79	Prof. Somaditya Sen	Physics	Leave of Absence
80	Prof. Mobin Shaikh	Chemistry	Leave of Absence
81	Prof. Tushar Kanti Mukherjee	Chemistry	Online Attended
82	Prof. Anjan Chakraborty	Chemistry	Leave of Absence
83	Professor Satya Silendra Bulusu	Chemistry	Online Attended
84	Professor Chelvam Venkatesh	Chemistry	Online Attended
85	Professor Kiran Bala	Biosciences and Biomedical Engineering	Leave of Absence
86	Professor Mirza Saqib Baig	Biosciences and Biomedical Engineering	Leave of Absence
87	Professor Anirban Sengupta	Computer Science and Engineering	Online Attended
88	Professor Neminath Hubballi	Computer Science and Engineering	Leave of Absence
89	Professor Rupesh Shivaji Devan	Metallurgical Engineering and Materials Science	Leave of Absence
90	Professor Santosh Sattappa Hosmani	Metallurgical Engineering and Materials Science	Leave of Absence
91	Professor Antony Vijesh Villavarayan	Mathematics	Online Attended
92	Professor Niraj Kumar Shukla	Mathematics	Leave of Absence
93	Professor Satyajit Chatterjee	Mechanical Engineering	Present
94	Professor Kazi Sabiruddin	Mechanical Engineering	Leave of Absence



95	Professor Pavan Kumar Kankar	Mechanical Engineering	Leave of Absence
96	Professor Sharad Gupta	Biosciences and Biomedical Engineering	Leave of Absence
97	Professor Surya Prakash	Computer Science and Engineering	Online Attended
98	Professor Somnath Dey	Computer Science and Engineering	Leave of Absence
99	Professor Sanjaram Premjit Khanganba	Humanities and Social Sciences	Leave of Absence
100	Professor M. Tanveer	Mathematics	Leave of Absence
101	Professor Shailesh Kundalwal	Mechanical Engineering	Leave of Absence
102	Professor Debayan Sarkar	Chemistry	Online Attended
103	Professor Gourinath Banda	Computer Science and Engineering	Online Attended
104	Professor Mohd. Aquil Khan	Mathematics	Online Attended
Other Authorities			
105	Dr. Saptarshi Ghosh	Chief Warden	Leave of Absence
106	Dr. Sharad Gupta	Convener, Health Center Advisor Committee	Leave of Absence
107	Dr. Anand Petare	Workshop Superintendent, Central Workshop	Leave of Absence
Secretary			
108	Mr. S. P. Hota	Registrar, IIT Indore	Present
Special Invitees			
109	Dr. Kaustav Bakshi	DUGC Convener, Civil Engineering (for agenda item no. 58.5)	Present
110	Dr. Priyanka J. Sharma	DPGC Convener, Civil Engineering (for agenda item no. 58.6)	Present
111	Dr. Gaurav Chauhan	Acting DPGC Convener, Chemical Engineering (for agenda no. 58.7)	Present
112	Dr. Kumar Gaurav	Assistant Registrar, Academic Affairs	Present
113	Mr. Tapesh Parihar	Section Officer, Academic Affairs	Present



Minutes of the 58th meeting of the Senate held on November 26, 2025

ITEM NO. 58.1: Welcome and Opening remark by the Chairman, Senate.

The Chairman, Senate, welcomed all the members present in the meeting.

ITEM NO. 58.2: Confirmation of minutes of the meeting of 57th Senate held on 17th October 2025.

The Senate confirmed the minutes of the 57th Meeting of the Senate held on 17th October 2025.

ITEM NO. 58.3: Action Taken Report (ATR) on minutes of 57th Meeting of the Senate held on 17th October 2025.

The Senate noted the Action Taken Report (ATR) of the minutes of the 57th Meeting of the Senate held on 17th October 2025.

ITEM NO. 58.4: Consideration of B.Tech./ M.Sc. graduates of IITs for Ph.D. admissions without GATE/ JEST/ UGC-CSIR (NET)/ UGC-CSIR (Ph.D. only) qualification.

After due deliberation, the Senate is approved to consider B.Tech./ M.Sc. graduates of IITs for Ph.D. admissions without GATE/ JEST/ UGC-CSIR (NET)/ UGC-CSIR (Ph.D. only) qualification w.e.f. AY 2026-27 with remarks that student can take admission in their respective branch only. Interchange of branch will not be allowed, i.e. Engineering graduates will be considered for Engineering Departments and Science graduates will be considered for Science Department for admission to the Ph.D. program.

ITEM NO. 58.5: Course structure of 7th and 8th Semesters of B.Tech. in Civil Engineering as per the NEP-2020.

After due deliberation, the Senate is approved the same with the following remarks:

SEMESTER VII

Course Code	Course title	Weekly Contact hours (L-T-P)	Credits	Remarks
ZZ 4XX	Course-V for Minor Program	X-X-X	2	Approved
CE 493N	B.Tech. project (BTP)	0-0-32	16	Approved
CE 495	Internship	X-X-X	1.5	Approved
ZZ XXX	OR Professional/ Societal-Connect basket course			
TOTAL			17.5/ 19.5	



SEMESTER VIII

Course Code	Course title	Weekly Contact hours (L-T-P)	Credits	Remarks
CE 4XX	Department Elective (DE-6)	X-X-X	3	Approved
CE 4XX	Department Elective (DE-7)	X-X-X	3	Approved
ZZ 4XX	Institute Open Elective	X-X-X	3	Approved
ZZ 4XX	Institute Open Elective	X-X-X	3	Approved
ZZ 4XX	Institute Open Elective	X-X-X	3	Approved
TOTAL			15	

ITEM NO. 58.6: Proposed M.Tech. programs by Department of Civil Engineering:

The Department of Civil Engineering has proposed the following M.Tech. programs to be offered from AY 2026-27.

- i. M.Tech. in Transportation Systems Engineering (TSE)
- ii. M.Tech. in Transportation Planning (TP)
- iii. M.Tech. in Geotechnical Engineering (GE)

After due deliberation, the Senate approved the Course structures with remarks as given below and its syllabus to be approved through proper channel in subsequent meetings of SPGC and Senate.

- **M.Tech. in Transportation Systems Engineering and M.Tech. in Transportation Planning:**
 - i. Allot separate name of 6 credit lab courses in each both semesters.
 - ii. Include elective course on Railway and Waterway in M.Tech. in TSE.
 - iii. M.Tech.+Ph.D. dual degree program should be presented separately in subsequent meeting.
- **M.Tech. in Geotechnical Engineering:**
 - i. Include elective course on Earthquake Engineering in M.Tech. in GE.
 - ii. M.Tech.+Ph.D. dual degree program should be presented separately in subsequent meeting.

ITEM NO. 58.7: Proposed M.Tech. program with specialization in Chemical Processes Design and Intelligence by Department of Chemical Engineering.

The Department of Chemical Engineering has proposed the said M.Tech. program to be offered from AY 2026-27.

After due deliberation, the Senate approved the Course structures with remarks as given below and its syllabus to be approved through proper channel in subsequent meetings of SPGC and Senate.

- i. Include elective course on Biohazards and Process Safety.
- ii. M.Tech.+Ph.D. dual degree program should be presented separately in subsequent meeting.



ITEM NO. 58.8: Revision in the course structure of M.Tech. in Mechanical Systems Design (MSD) in the Department of Mechanical Engineering.

After due deliberation, the Senate approved the revised course structures by replacing the course ME 438/ ME 738: Composite Materials with ME 486/ME 686: Technical Textiles for Ballistic Protection in the M.Tech.-MSD to be applicable from AY 2026-27.

Course Structure: M.Tech (Mechanical System Design)

Semester - I			
Course Code	Course Title	LTP	Credits
ME 646/ ME 446	Dynamics and Control Systems	2-1-0	3
ME 647	Dynamics and Control Systems Lab	0-0-3	1.5
ME 730	Theory of Elasticity	2-1-0	3
ME 736/ ME 436	Finite Element Methods	2-0-2	3
ME 686/ME 486	Technical Textiles for Ballistic Protection	2-1-0	3
ZZ XXX	Elective - I	X-X-X	3
Total			16.5
Semester-II			
Course Code	Course Title	LTP	Credits
ME 632/ 432	Vibrations and Noise Control	2-1-0	3
ME 634/ 434	Principle of Product Design	2-1-0	3
ME 637/ 437	Fracture Mechanics	2-1-0	3
ME 656	Vibrations and Noise Control Lab	0-0-3	1.5
ZZ XXX	Elective - II	X-X-X	3
ZZ XXX	Elective - III	X-X-X	3
ME 698	PG seminar course	0-2-0	2
Total			18.5
Semester-III			
Course Code	Course Name	LTP	Credits
ME 799	M.Tech. Research Project (Stage-I)	0-0-36	18
Semester-IV			
Course Code	Course Name	LTP	Credits
ME 800	M.Tech. Research Project (Stage-II)	0-0-36	18
Grand Total			71

ITEM NO. 58.9: Syllabus of proposed courses from the various Department.

The following is the list of the courses proposed by the different departments. The syllabi of the courses were approved with the following remarks.



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S. No.	Course code Title of the Course	Contact Hours	Program for which course is offered	Remarks
1	AA 652N: Multi-messenger Observational Astronomy Laboratory	0-0-6-3	PG	Approved
2	CS 4XX/ 6XX: Distributed Algorithms for Robots and Agents	2-1-0-3	UG, PG and PhD	Approved
3	CS 4XX/ 6XX: Software-defined IoT	2-1-0-3	UG, PG and PhD	Approved
4	EE 4XX/ 6XX: Brain Signal Processing	2-1-0-3	UG, PG and PhD	Approved
5	EE 4XX/ 6XX: Human-Centric Multimedia Quality Analysis	2-1-0-3	UG, PG and PhD	Approved
6	EE 3XX: Statistical and Experimental Design Methods for Signal Processing	2-1-0-3	UG	Approved
7	ME 2XX: Introduction to Smart Materials	2-1-0-1.5 (Half-Semester)	UG	Approved
8	CE 3XX: Intelligent Transportation Systems	3-0-0-3	UG	Approved

ITEM NO. 58.10: Proposal for Ph.D. in Interdisciplinary Area of Sustainability Proposed by Mehta Family School of Sustainability

The agenda was dropped due to administrative reasons, same to be discussed in the next Senate.

ITEM NO. 58.11: Revised course structure of M.Sc. Physics and syllabus of remaining courses.

After due deliberation, the Senate approved the Course structures of M.Sc. in Physics and approved the syllabus of the following two courses:

PH 6XX: Experimental Physics Lab-II

PH 6XX: MakerSpace Lab

ITEM NO. 58.12: Cross-listing of a course in Computer Science and Engineering.

The Department of Computer Science and Engineering has proposed to cross-list the course "CS 442: Generative AI (2-1-0-3)" for the PG programs. Since the code CS 642 is already in use, it is approved to change the course code of CS 442 and cross-list it as CS 450/ CS 650.



ITEM NO. 58.13: Any other matter with the permission of the Chair.

Nil.

Meeting ended with thanks to the chair.



(Professor Suhas S. Joshi)
Director and Chairperson, Senate



(S. P. Hota)
Registrar and Secretary, Senate