



Indian Institute of Technology Indore

Minutes of the 52nd meeting of the Senate held on 26th March, 2025 (Wednesday) 15:00 hrs. at PoD 1D 105 at IIT Indore.

The following members attended the meeting:

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 Avinash Sonawane	Dean, International Relations	Present
7	Professor Manish Kumar Goyal	Dean of Infrastructure Development	Online Attended
8	Professor Abhirup Datta	Dean, Research and Development	Online Attended
9	Professor Srivathsan Vasudevan	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
Head of Departments			
14	Dr. Abhishek Rajput	HOD, Civil Engineering	Leave of Absence
15	Dr. Ranveer Singh	HOD, Computer Science and Engineering	Online Attended
16	Professor Vivek Kanhangad	HOD, Electrical Engineering	Leave of Absence
17	Professor Shanmugam Dhinakaran	HOD, Mechanical Engineering	Online Attended



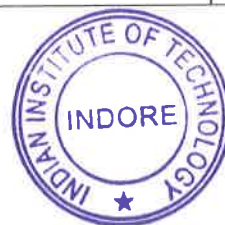
18	Dr. Ajay Kumar Kushwaha	HOD, Metallurgical Engineering and Materials Science	Present
19	Dr. Parimal Kar	HOD, Biosciences and Biomedical Engineering	Online Attended
20	Dr. Saurabh Das	HOD, Astronomy, Astrophysics and Space Engineering	Present
21	Professor Tushar Kanti Mukherjee	HOD, Chemistry	Present
22	Dr. Sanjeev Singh	HOD, Mathematics	Online Attended
23	Professor Preeti A. Bhobe	HOD, Physics	Leave of Absence
24	Professor Ruchi Sharma	HOD, Humanities and Social Sciences	Leave of Absence
Professors			
25	Professor Narendra S. Choudhary	Computer Science and Engineering	Leave of Absence
26	Professor Neelesh Kumar Jain	Mechanical Engineering	Leave of Absence
27	Professor Anand Parey	Mechanical Engineering	Present
28	Professor Ram Bilas Pachori	Electrical Engineering	Leave of Absence
29	Professor Abhinav Kranti	Electrical Engineering	Online Attended
30	Professor Vimal Bhatia	Electrical Engineering	Leave of Absence
31	Professor Rajneesh Misra	Chemistry	Leave of Absence
32	Professor Suman Mukhopadhyay	Chemistry	Online Attended
33	Professor Subhendu Rakshit	Physics	Leave of Absence
34	Professor Krushna R. Mavani	Physics	Online Attended
35	Professor Sarika Jalan	Physics	Leave of Absence
36	Professor Sandeep Chaudhary	Civil Engineering	Leave of Absence
37	Professor Avinash Sonawane	Biosciences and Biomedical Engineering	Present
38	Professor G. S. Murthy	Biosciences and Biomedical Engineering	Leave of Absence
39	Professor Santosh Kumar Vishvakarma	Electrical Engineering	Leave of Absence
40	Professor Shaibal Mukherjee	Electrical Engineering	Leave of Absence
41	Professor Vipul Singh	Electrical Engineering	Present
42	Professor Prabhat Kumar Upadhyay	Electrical Engineering	Leave of Absence
43	Professor Trapti Jain	Electrical Engineering	Leave of Absence



44	Professor Mukesh Kumar	Electrical Engineering	Leave of Absence
45	Professor Manish Kumar Goyal	Civil Engineering	Online Attended
46	Professor Neelima Devarakonda Satvam	Civil Engineering	Leave of Absence
47	Professor Palani Iyamperumal Anand	Mechanical Engineering	Online Attended
48	Professor Bhupesh Kumar Lad	Mechanical Engineering	Leave of Absence
49	Professor Santosh Kumar Sahu	Mechanical Engineering	Online Attended
50	Professor Ritunesh Kumar	Mechanical Engineering	Present
51	Professor Dhinakaran Shanmugam	Mechanical Engineering	Online Attended
52	Professor Aruna Tiwari	Computer Science and Engineering	Online Attended
53	Professor Abhishek Srivastava	Computer Science and Engineering	Present
54	Professor Kapil Ahuja	Computer Science and Engineering	Leave of Absence
55	Professor Abhirup Datta	Astronomy, Astrophysics and Space Engineering	Online Attended
56	Professor Amit Kumar	Biosciences and Biomedical Engineering	Leave of Absence
57	Professor Prashant Kodgire	Biosciences and Biomedical Engineering	Leave of Absence
58	Professor Sk. Safique Ahmad	Mathematics	Online Attended
59	Professor Apurba Kumar Das	Chemistry	Present
60	Professor Sampak Samanta	Chemistry	Leave of Absence
61	Professor Sanjay Kumar Singh	Chemistry	Online Attended
62	Professor Biswarup Pathak	Chemistry	Leave of Absence
63	Professor Nirmala Menon	Humanities and Social Sciences	Present
64	Professor Pritee Sharma	Humanities and Social Sciences	Online Attended
65	Professor Ruchi Sharma	Humanities and Social Sciences	Leave of Absence
66	Professor Preeti Anand Bhohe	Physics	Leave of Absence
67	Professor Rajesh Kumar	Physics	Leave of Absence
68	Professor Sudeshna Chattopadhyay	Physics	Leave of Absence



69	Professor Parasharam M. Shirage	Metallurgical Engineering and Materials Science	Present
70	Professor Swadesh K. Sahoo	Mathematics	Leave of Absence
71	Professor Raghunath Sahoo	Physics	Present
72	Professor Amod C. Umarikar	Electrical Engineering	Leave of Absence
73	Professor Vivek Kanhangad	Electrical Engineering	Leave of Absence
74	Professor Srivathsan Vasudevan	Electrical Engineering	Online Attended
75	Professor Devendra L. Deshmukh	Mechanical Engineering	Online Attended
76	Prof. Pankaj Ramesh Sagdeo	Physics	Online Attended
77	Prof. Ankhi Roy	Physics	Present
78	Prof. Somaditya Sen	Physics	Leave of Absence
79	Prof. Mobin Shaikh	Chemistry	Leave of Absence
80	Prof. Tushar Kanti Mukherjee	Chemistry	Leave of Absence
81	Prof. Anjan Chakraborty	Chemistry	Leave of Absence
82	Professor Satya Silendra Bulusu	Chemistry	Leave of Absence
83	Professor Chelvam Venkatesh	Chemistry	Online Attended
84	Professor Kiran Bala	Biosciences and Biomedical Engineering	Leave of Absence
85	Professor Mirza Saqib Baig	Biosciences and Biomedical Engineering	Leave of Absence
86	Professor Anirban Sengupta	Computer Science and Engineering	Leave of Absence
87	Professor Neminath Hubballi	Computer Science and Engineering	Leave of Absence
88	Professor Rupesh Shivaji Devan	Metallurgical Engineering and Materials Science	Present
89	Professor Santosh Sattappa Hosmani	Metallurgical Engineering and Materials Science	Leave of Absence
90	Professor Antony Vijesh Villavaravan	Mathematics	Online Attended
91	Professor Niraj Kumar Shukla	Mathematics	Online Attended
92	Professor Satvait Chatterjee	Mechanical Engineering	Leave of Absence
93	Professor Kazi Sabiruddin	Mechanical Engineering	Leave of Absence
94	Professor Pavan Kumar Kankar	Mechanical Engineering	Leave of Absence
95	Professor Sharad Gupta	Biosciences and Biomedical Engineering	Online Attended



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96	Professor Surya Prakash	Computer Science and Engineering	Leave of Absence
97	Professor Somnath Dey	Computer Science and Engineering	Online Attended
98	Professor Sanjaram Premjit Khandanba	Humanities and Social Sciences	Leave of Absence
99	Professor M. Tanveer	Mathematics	Leave of Absence
100	Professor Shailesh Kundalwal	Mechanical Engineering	Leave of Absence
Other Authorities			
101	Dr. Jayaprakash Murugesan	Chief Warden	Leave of Absence
102	Dr. Sharad Gupta	Convener, Health Center Advisor Committee	Online Attended
103	Dr. Anand Petare	Workshop Superintendent, Central Workshop	Leave of Absence
Secretary			
104	Mr. S. P. Hota	Registrar, IIT Indore	Present
Special Invitees			
105	Dr. Saptarshi Ghosh	Convener, DPGC, Electrical Engineering	Present
106	Dr. Subhadeep Paladhi	Programme Coordinator, M.Tech. in PSPE	Present
107	Dr. Kumar Gaurav	Assistant Registrar, Academic Affairs	Present
108	Mr. Tapes Parihara	Section Officer, Academic Affairs	Present



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ITEM 52.1: Welcome and Opening remarks by the Chairman, Senate.

The Chairperson, Senate welcomed all the members to the meeting.

ITEM 52.2: Confirmation of the minutes of the 51st Meeting of the Senate held on 12 March 2025.

The Senate confirmed the minutes of the 51st Meeting of the Senate held on 12 March 2025.

ITEM 52.3: Action Taken Report (ATR) on minutes of the 51st Meeting of the Senate held on 12 March 2025.

The Senate noted the actions taken on the decisions of the 51st Meeting of the Senate held on 12 March 2025.

ITEM 52.4: Course Structure (Approved) and Syllabus for B.Tech.-Metallurgical Engineering and Materials Science (5th and 6th Sem Core Courses + 5th Sem Elective courses).

The HoD Metallurgical Engineering and Materials Science has presented the agenda to the committee for discussion. The senate discussed the syllabus of courses and approved with remarks as mentioned against each course.

5TH SEMESTER

Course Code	Course Name	(L-T-P)	Credit	Remarks
ZZ XXX	Course -III for minor program	X-X-X	3	-
MM 309N	Computational Methods for Materials	2-1-0	3	Approved
MM 305N	Iron and Steel Making	2-1-0	3	• Include ASM books as reference book. • Approved
MM 3XX	Optical and Magnetic Properties of Materials	2-1-0 (Half Semester)	1.5 (3/2)	Approved
MM 3XX	Non-ferrous Extractive Metallurgy	2-0-2	3	• Include ASM books as reference book. • Approved
MM 3XX	Polymer and Composites	2-1-0	3	Approved
MM 3XX	Computational Methods for Materials Lab	0-0-2	1	Approved
MM 3XX	Polymer and Composites Lab	0-0-2	1	Approved
MM 3XX	Department Elective - III	2-1-0	3	-
ZZ 3XX	Institute open elective - II	2-1-0	3	-
		13-5.5-6	21.5/24.5	



ELECTIVE III (5TH SEM)

Course Code	Course Name	(L-T-P)	Credit	Remarks
MM 3XX	Lightweight Materials for Structural Applications	2-1-0	1.5	Approved
MM 3XX	Superalloys for High Temperature Applications	2-1-0	1.5	Approved
MM 3XX	Mechanical Behavior of Materials at Nanoscale	2-1-0	1.5	Approved
MM 3XX	Phase Transformation of Nanoalloys	2-1-0	1.5	Approved
MM 3XX	Advances in Metals and Alloys Processing	2-1-0	3	Approved

6TH SEMESTER

Course Code	Course Name	(L-T-P)	Credit	
ZZXXX	Course -IV for minor program	X-X-X	3	-
MM 3XX	Electrochemistry and Corrosion Engineering	2-1-0	3	Approved
MM 3XX	Semiconductor Physics and Devices	2-1-0	3	• Change the title from "Semiconductor Physics" to "Semiconductor Physics and Devices". • Include the book of "B.G. Streetman" as textbook instead of reference book. • Approved
MM 3XX	Microstructure Engineering of Alloys	2-1-0	3	Approved
MM 3XX	Electrochemistry and Corrosion Engineering Lab	0-0-2	1	Approved
MM 3XX	Semiconductor and Thin Films Lab	0-1-2	2	Approved
MM 3XX	Department Elective - IV	2-1-0	3	-
MM 3XX	Department Elective - V	2-1-0	3	-
ZZ 3XX	Institute open elective - III	2-1-0	3	-
		12-7-4	21/23	



ITEM 52.5: Course Structure (Approved) and Syllabus for B. Des program (1st year) under School of Innovation.

The Convener, DUGC, School of Innovation has presented the agenda to the committee for discussion. The senate discussed the syllabus of courses and approved with remarks as mentioned against each course.

Year 1: Semester 1

Code	Course list	Contact hours L-T-P-Credit	Remarks
SI 101	Design as Problem Solving	2-0-2-3	Approved
SI 103	Verbal and Visual Expression	0-0-4-2	Approved
SI 105	Design Methodology	2-0-2-3	• Check and confirm the complete title of the 3rd book. • Approved
SI 107	General Systems Thinking	2-1-0-3	Approved
SI 108	Understanding Innovation	2-0-0-2	• Include ISBN no. of 3rd book. • Approved
SI 111	Mini Project 1	0-2-6-5	Approved
Total		8-3-14-18	

Year 1: Semester 2

Code	Course list	Contact hours L-T-P-Credit	Remarks
SI 102	Design Research	2-2-0-4	Approved
SI 104	Problem Understanding	2-0-0-2	Approved
SI 106	Graphics and Data Visualization	2-0-2-3	Approved
SI 108	Photo and Video Communication	2-0-2-3	Approved
SI 110	Design Systems	2-0-0-2	• Include ISBN no. of books. • Approved
SI 112	Mini Project 2	0-2-6-5	Approved
Total		10-4-10-19	



ITEM 52.6: Any other agenda items with the permission of the Chair.

Nil.

The meeting ended with thanks to the Chair.



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



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