

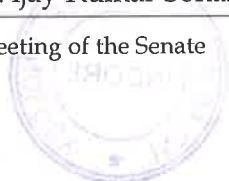


Indian Institute of Technology Indore

Minutes of the 49th meeting of the Senate held on January 23, 2025 (Thursday) 15.00 hrs. at Maitreyi Seminar Hall, IIT Indore.

The following members attended the meeting:

Chairperson		
1	Prof. Suhas S. Joshi	Director, IIT Indore
External Experts		
2	Prof. Vipul Singh	Dean, Academic Affairs
3	Prof. Sandeep Chaudhary (present online)	Dean, Administration
4	Prof. Avinash Sonawane (present online)	Dean, International Relation
5	Prof. Manish Kumar Goyal	Dean, Infrastructure Development
6	Prof. I. A. Palani	Dean, Research and Development
7	Prof. Suman Mukhopadhyay (present online)	Dean, Alumni and Corporate Relations
8	Prof. Abhishek Srivastava (present online)	Dean, Faculty Affairs
9	Prof. Devendra L. Deshmukh (present online)	Dean, Educational Outreach
Head of Departments		
10	Dr. Abhishek Rajput	HoD, Civil Engineering
11	Dr. Ranveer Singh	HoD, Computer Science and Engineering
12	Prof. Vivek Kanhangad	HoD, Electrical Engineering
13	Prof. Shanmugam Dhinakaran	HoD, Mechanical Engineering
14	Dr. Ajay Kumar Kushwaha (present online)	HoD, Metallurgical Engineering and Materials Science
15	Dr. Parimal Kar (present online)	HoD, Biosciences and Biomedical Engineering
16	Prof. Abhirup Datta	HoD, Astronomy, Astrophysics and Space Engineering
17	Prof. Tushar Kanti Mukherjee (present online)	HoD, Chemistry
18	Prof. Vijay Kumar Sohani	Acting HoD, Mathematics



19	Prof. Preeti A. Bhobe	HoD, Physics
20	Prof. Ruchi Sharma	HoD, Humanities and Social Sciences
Professors		
21	Prof. Anand Parey (present online)	Mechanical Engineering
22	Prof. Suman Mukhopadhyay (present online)	Chemistry
23	Prof. Krushna R. Mavani (present online)	Physics
24	Prof. Sarika Jalan (present online)	Physics
25	Prof. Sandeep Chaudhary (present online)	Civil Engineering
26	Prof. Avinash Sonawane (present online)	Biosciences and Biomedical Engineering
27	Prof. Vipul Singh	Electrical Engineering
28	Prof. Prabhat Kumar Upadhyay (present online)	Electrical Engineering
29	Prof. Trapti Jain (present online)	Electrical Engineering
30	Prof. Manish Kumar Goyal	Civil Engineering
31	Prof. Neelima Devarakonda Satyam (present online)	Civil Engineering
32	Prof. I. A. Palani	Mechanical Engineering
33	Prof. Bhupesh Kumar Lad (present online)	Mechanical Engineering
34	Prof. Ritunesh Kumar	Mechanical Engineering
35	Prof. Dhinakaran Shanmugam	Mechanical Engineering
36	Prof. Aruna Tiwari (present online)	Computer Science and Engineering
37	Prof. Abhishek Srivastava (present online)	Computer Science and Engineering
38	Prof. Abhirup Datta	Astronomy, Astrophysics and Space Engineering
39	Prof. Sk. Safique Ahmad (present online)	Mathematics
40	Prof. Sampak Samanta (present online)	Chemistry
41	Prof. Biswarup Pathak (present online)	Chemistry
42	Prof. Nirmala Menon	Humanities and Social Sciences
43	Prof. Pritee Sharma (present online)	Humanities and Social Sciences
44	Prof. Ruchi Sharma	Humanities and Social Sciences
45	Prof. Preeti A. Bhobe	Physics
46	Prof. Sudeshna Chattopadhyay (present online)	Physics



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47	Prof. Parasharam M. Shirage	Metallurgical Engineering and Materials Science
48	Prof. Raghunath Sahoo (present online)	Physics
49	Prof. Vivek Kanhangad	Electrical Engineering
50	Prof. Devendra L. Deshmukh (present online)	Mechanical Engineering
51	Prof. Ankhi Roy	Physics
52	Prof. Tushar Kanti Mukherjee (present online)	Chemistry
53	Prof. Satyajit Chatterjee (present online)	Mechanical Engineering
54	Prof. Kazi Sabiruddin (present online)	Mechanical Engineering
55	Prof. Pavan Kumar Kankar (present online)	Mechanical Engineering
56	Prof. Sharad Gupta	Biosciences and Biomedical Engineering
57	Prof. Somnath Dey	Computer Science and Engineering
58	Prof. Sanjaram Premjit Khangana (present online)	Humanities and Social Sciences
59	Prof. M. Tanveer (present online)	Mathematics
60	Prof. Shailesh Kundalwal (present online)	Mechanical Engineering
61	Prof. Sharad Gupta	Convener, Health Center Advisor Committee
62	Dr. Anand Petare	Workshop Superintendent, Central Workshop
Special Invitees		
63	Mr. Neeraj Kumar	Deputy Registrar, Academic Affairs
64	Mr. Tapes Parihara	Section Officer, Academic Office
Secretary		
65	Mr. S. P. Hota	Registrar, IIT Indore
Leave of absence		
66	Prof. Himanshu Rai	Director, IIM Indore
67	Shri. Unmesh D. Malshe	Director, RRCAT
68	Prof. Abhiram G. Ranade	Professor, Department of Computer Science and Engineering, IIT Bombay
69	Prof. Srivathsan Vasudevan	Dean, Student Affairs
70	Prof. Satya S. Bulusu	Dean, IT Infrastructure and Automation
71	Prof. Narendra S. Choudhary	Computer Science and Engineering
72	Prof. Neelesh Kumar Jain	Mechanical Engineering
73	Prof. Ram Bilas Pachori	Electrical Engineering



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74	Prof. Abhinav Kranti	Electrical Engineering
75	Prof. Vimal Bhatia	Electrical Engineering
76	Prof. Rajneesh Misra	Chemistry
77	Prof. Subhendu Rakshit	Physics
78	Prof. G. S. Murthy	Biosciences and Biomedical Engineering
79	Prof. Santosh Kumar Vishvakarma	Electrical Engineering
80	Prof. Shaibal Mukherjee	Electrical Engineering
81	Prof. Mukesh Kumar	Electrical Engineering
82	Prof. Santosh Kumar Sahu	Mechanical Engineering
83	Prof. Kapil Ahuja	Computer Science and Engineering
84	Prof. Amit Kumar	Biosciences and Biomedical Engineering
85	Prof. Prashant Kodgire	Biosciences and Biomedical Engineering
86	Prof. Apurba Kumar Das	Chemistry
87	Prof. Sanjay Kumar Singh	Chemistry
88	Prof. Rajesh Kumar	Physics
89	Prof. Swadesh Kumar Sahoo	Mathematics
90	Prof. Amod C. Umarikar	Electrical Engineering
91	Prof. Srivathsan Vasudevan	Electrical Engineering
92	Prof. Pankaj Ramesh Sagdeo	Physics
93	Prof. Somaditya Sen	Physics
94	Prof. Mobin Shaikh	Chemistry
95	Prof. Anjan Chakraborty	Chemistry
96	Prof. Satya Silendra Bulusu	Chemistry
97	Prof. Chelvam Venkatesh	Chemistry
98	Prof. Kiran Bala	Biosciences and Biomedical Engineering
99	Prof. Mirza Saqib Baig	Biosciences and Biomedical Engineering
100	Prof. Anirban Sengupta	Computer Science and Engineering
101	Prof. Neminath Hubballi	Computer Science and Engineering
102	Prof. Rupesh Shivaji Devan	Metallurgical Engineering and Materials Science
103	Prof. Santosh Sattappa Hosmani	Metallurgical Engineering and Materials Science
104	Prof. Antony Vijesh Villavarayan	Mathematics
105	Prof. Niraj Kumar Shukla	Mathematics
106	Prof. Surya Prakash	Computer Science and Engineering
107	Dr. Jayaprakash Murugesan	Chief Warden
108	General Secretary, Student Gymkhana	Ex-officio
109	Academic Secretary, Student Gymkhana	Ex-officio



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ITEM 49.1: Welcome and Opening remarks by the Chairperson, Senate.

The Chairperson, Senate welcomed all the members to the meeting. He informed that Additional Chief Secretary, Madhya Pradesh had visited IIT Indore Campus and discussed an umbrella Memorandum of Understanding (MoU) with Madhya Pradesh Government for technical support in developing the state in wide and proposed to facilitate young IAS officers of Madhya Pradesh to pursue the Ph.D. program in IIT Indore to enhance their technical as well as managerial/administrative skill.

The Chairperson, Senate, informed that the institute is going to propose supernumerary seats under sports quota in B.Tech. Program. There will be a separate portal from the JoSAA portal. A separate committee will be formed for detailed discussion on it. The details of the selection criteria and other related matters may be put up in the Senate for approval after recommendations from the SPGC and SUGC.

ITEM 49.2: Confirmation of the minutes of the 48th Meeting of the Senate held on 26 December 2024.

The Senate confirmed the minutes of 48th Meeting of the Senate held on 26 December 2024.

ITEM 49.3: Action Taken Report (ATR) on minutes of 48th Meeting of the Senate held on 26 December 2024.

The Senate noted the actions taken on the decisions of the 48th Meeting of the Senate held on 26 December 2024.

ITEM 49.4: Syllabi of the courses of 3rd year for B.Tech. in Mechanical Engineering w.r.t. the NEP guidelines.

The Head of Department, Mechanical Engineering, presented the course structure there after the Convenor, DUGC, Mechanical Engineering presented the details of syllabi of the 3rd year for B.Tech. in Mechanical Engineering w.r.t. the NEP guidelines.

After the discussion, the Senate approved the courses of the 3rd year for B.Tech. in Mechanical Engineering w.r.t. the NEP guidelines with the following remarks as given below:

V Semester

Course Code	Course Title	L-T-P-C	Remarks
ZZ XXX	Course-III for Minor Program	X-X-X-3	-
ME 301	Heat Transfer	2-1-0-3	Approved with remarks to move the reference book SI No-4 to the textbook.



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ME 309	Instrumentation and Control Systems	2-0-0-2	Approved with remarks to remove the textbook SI. No-3.
ME 311	Introduction to Robotics	2-1-0-1.5 (Half-Sem)	Approved
ME 305	Machining Science and Metrology	2-1-0-3	Approved with remarks to mention the latest edition of the books.
ME 351	Heat Transfer Lab	0-0-2-1	Approved with remarks to change the POM to POP in the 3 rd bullet points of the course content. Mention full form of abbreviation.
ME 357	Instrumentation & Control Systems Lab	0-0-3-1.5	Approved with remarks to correct the L-T-P-C in the syllabus as per approved credit i.e. 0-0-3-1.5.
ME 355	Machining Science and Metrology Lab	0-0-2-1	Approved with the comment that only reference books to be mentioned for lab courses.
ME 313	Introduction to Finite Element Methods	2-1-0-1.5 (Half-Sem)	Approved
ME XXX	Department Elective-III	X-X-X-3	-
ZZ XXX	Institute Open Elective-II	X-X-X-3	-
Total Credit		20.5/23.5	

Department Elective - III

Course Code	Course Title	L-T-P-C	Remarks
ME 315	Operations Research	2-1-0-3	Approved with remarks to check the course title 'Game Problems' or 'Game Theory Problems' in the bullet point of the course content.
ME 317	Trends and Development in Solid Mechanics	2-1-0-1.5 (Half-Sem)	Approved
ME 319	Solid-State Cooling Technologies	2-1-0-3	Approved with remarks to remove the book from 'KIT Scientific Publishing' in the reference book SI. No-3.
ME 321	Introduction to Hybrid Additive Manufacturing Techniques	2-1-0-1.5 (Half-Sem)	Approved with remarks to remove the reference book SI. No-3. Remove books of Laxmi Publications.



ME 323	Mechanics of Sheet Metal Forming Processes	2-1-0-1.5 (Half-Sem)	Approved with remarks to change the course Title 'Sheet Metal Forming Process' to 'Mechanics of Sheet Metal Forming'
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VI Semester

Course Code	Course Title	L-T-P-C	Remarks
XXX	Course-IV for Minor Program*	X-X-X-3	-
ME 302	Applied Thermodynamics	2-1-0-3	Approved with suggestions to check the minor typing error and capitalization in the course content.
ME 310	Design of Machine Elements	2-1-0-3	Approved with remarks to remove the repeated serial number of the reference books.
ME 312	Introduction to Computational Fluid Dynamics	2-1-0-1.5 (Half-Sem)	Approved.
ME 314	Kinematics and Dynamics of Machines	2-1-0-3	Not approved with suggestions to change credit structure and the course content accordingly. Change the contact hours from 1-1-0-2 to 2-1-0-3. Include some more syllabus. Reduce the number of reference books.
ME 352	Applied Thermodynamics Lab	0-0-2-1	Approved with remarks to check the capital word in the course content and change 'Petrol and Diesel' in bullet title of the course content instead of Petrol or Diesel.
ME 356	Kinematics & Dynamics of Machines Lab	0-0-2-1	Approved with remarks to remove the specific software tools name like MATLAB/AUTOCAD/CAD
ME XXX	Department Elective-IV	X-X-X-3	-
ME XXX	Department Elective-V	X-X-X-3	-
ZZ XXX	Institute Open Elective-III	X-X-X-3	-
Total Credit		20.5/23.5	-



Department Elective - IV and V

Course Code	Course Title	L-T-P-C	Remarks
ME 316	Automobile Engineering	2-1-0-3	Approved with remarks to remove et al. in reference book SI No-3. Remove 'et all' from books.
ME 318	Mechatronics System Design	2-1-0-3	Approved with remarks to mention the books in the prescribed format.
ME 320	Experimental Methods in Thermal Science	2-0-2-1.5 (Half-Sem)	Approved with remarks to mention the books in the prescribed format.
ME 322	Introduction to Electric Vehicles	2-1-0-1.5 (Half-Sem)	Approved with remarks to mention the books in the prescribed format.
ME 324	Applied Impact Mechanics	2-1-0 -1.5 (Half-Sem)	Approved.
ME 328	Surface Modification Methods	2-0-2-1.5 (Half-Sem)	Approved with remarks to correct the module bullets of syllabus. Typo errors to be corrected. Books to be mentioned properly.

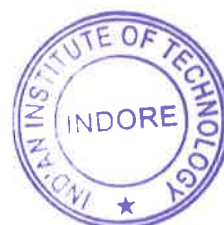
ITEM 49.5: Syllabi of the courses of Master of Arts in English (Literature and Linguistics).

The Head of School, Humanities and Social Sciences, presented the details of syllabi of the courses of Master of Arts in English (Literature and Linguistics).

After the discussion, the Senate approved the syllabi of the courses of Master of Arts in English (Literature and Linguistics) with the following remarks as given below:

Year 1: Semester I

Course Code	Course Title	L-T-P-C	Remarks
HS 609	History of English Literary Studies	2-0-0-2	Approved with remarks to mention the name authors of books properly.
HS 613	The Novel in India: 18 th and 19 th Century	2-1-0-3	Approved with remarks to add 'The' in the Course Title and mention the books in the prescribed format



HS 619	Science of Language	2-1-0-3	Approved with remarks to remove typo errors.
HS 625	Language and Society	2-0-2-3	Approved with remarks to remove typo errors.
HS 627	Composition and Rhetoric	0-1-2-2	Approved with remarks to remove typo errors.
HS 697	PG Seminar	0-2-0-2	-
HS 691	M.A. Dissertation- I	0-0-10-5	-
Total credits earned during the semester		20	

Year 1: Semester II

Course Code	Course Title	L-T-P-C	Remarks
HS 634	Foundations of Literary Theory	2-1-0-3	To be presented in the coming Senate meeting
HS 743	Indian English Fiction	2-1-0-3	Already approved course.
HS 614	Language and Culture	2-1-0-3	Approved with remarks to remove typo errors.
HS 620	Syntax, Semantics and Pragmatics	2-0-2-3	Approved with remarks to update the series of books as per the given course content.
HS 632	Research Methodology: Theory and Praxis	2-1-0-3	Approved with remarks to check the books.
HS 692	M.A. Dissertation- II	0-0-10-5	-
Total credits earned during the semester		20	

Year 2: Semester III

Course Code	Course Title	L-T-P-C	Remarks
HS 629	Language Education	3-0-0-3	Approved with remarks to change the course title Language Education after removing 'and'.
HS 6XX	Department Elective-I	X-X-X-3	-
HS 6XX	Department Elective-II	X-X-X-3	-
HS 693	M.A. Dissertation- III	0-0-20-10	-
	Total minimum credits earned during the semester	19	



Year 2: Semester IV

Course Code	Course Title	L-T-P-C	Remarks
ZZ XXX	Institute Elective-I	X-X-X-3	-
HS 694	M.A. Dissertation- IV	0-0-40-20	-
Total minimum credits earned during the semester		23	
Total minimum credits to be earned during the program		82	

Department Elective I & II (Choose any two elective courses as mentioned below):

Course Code	Course Title	L-T-P-C	Remarks
HS 741	Black Literary Cultures and the Slave	2-1-0-3	Already approved.
HS 742	Twentieth Century and the European Novel	2-1-0-3	Already approved.
HS 6XX	Postcolonial Literatures	X-X-X-3	Not presented.
HS 6XX	Language and Cognition	X-X-X-3	Not presented.
HS 6XX	Translation Theory and Praxis	X-X-X-3	Not presented.
HS 6XX	Language Documentation	X-X-X-3	Not presented.

Institute Elective-I* (Choose any one elective course as mentioned below)

Course Code	Course Title	L-T-P-C	Remarks
HSS 6XX	Indian Grammatical Tradition	X-X-X-3	Not presented.
HS 655/ HS 455	Digital Humanities	2-0-2-3	Already approved.
HS 744	South Asian Diaspora Literature	2-1-0-3	Already approved.
HS 656	Applied Linguistics	2-0-2-3	Already approved.
HS 6XX	The Culture of Food	X-X-X-3	Not presented.
HS 6XX	Nineteenth-Century Science and Literature	X-X-X-3	Not presented.

* Student can also choose Institute Elective from other departments.

ITEM: 49.6: Reporting Items:

49.6.1: Two Institute Awards for Ph.D. students.

The Senate approved the same.

Minutes, 49th Meeting of the Senate



ITEM: 49.7: Any other agenda items with the permission of the Chair.

49.7.1: Senate nominees on the Board of Governors of the Institute.

The Senate approved the name of following two professors of IIT Indore as Senate nominees for the Board of Governors of IIT Indore for the duration of two years w.e.f. 7 February 2025 onwards:

- (i) Prof. Aruna Tiwari, Department of Computer Science and Engineering.
- (ii) Prof. Biswarup Pathak, Department of Chemistry.



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



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

