



Indian Institute of Technology Indore

Minutes of the 56th meeting of the Senate held on 17th September 2025 (Wednesday);

Time: 15:00 hrs.POD 1-D 105, IIT Indore.

Attendance of 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	Online Attended
6	Professor Prabhat Kumar Upadhyay	Dean, International Relations	Present
7	Professor Pankaj R. Sagdeo	Dean of Infrastructure Development	Present
8	Professor Abhirup Datta	Dean, Research and Development	Present
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	Leave of Absence
12	Professor Devendra L. Deshmukh	Dean, Educational Outreach	Online Attended
13	Prof. Satya S. Bulusu	Dean, IT Infrastructure & Automation	Present



Head of Departments			
14	Dr. Gourab Sil	HOD, Civil Engineering	Present
15	Dr. Ranveer Singh	HOD, Computer Science and Engineering	Present
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	Online Attended
19	Dr. Parimal Kar	HOD, Biosciences and Biomedical Engineering	Present
20	Dr. Saurabh Das	HOD, Astronomy, Astrophysics and Space Engineering	Online Attended
21	Professor Tushar Kanti Mukherjee	HOD, Chemistry	Present
22	Dr. Sanjeev Singh	HOD, Mathematics	Online Attended
23	Professor Preeti A. Bhobe	HOD, Physics	Present
24	Professor Ruchi Sharma	HOD, Humanities and Social Sciences	Present
25	Dr. Eswara Prasad Kormilli	HOD, Chemical Engineering	
Professors			
26	Professor Neelesh Kumar Jain	Mechanical Engineering	Present
27	Professor Anand Parey	Mechanical Engineering	Leave of Absence
28	Professor Ram Bilas Pachori	Electrical Engineering	Leave of Absence
29	Professor Abhinav Kranti	Electrical Engineering	Leave of Absence
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	Online Attended
36	Professor Sandeep Chaudhary	Civil Engineering	Online Attended
37	Professor Avinash Sonawane	Biosciences and Biomedical Engineering	Online Attended
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	Present
43	Professor Trapti Jain	Electrical Engineering	Leave of Absence
44	Professor Mukesh Kumar	Electrical Engineering	Online Attended
45	Professor Manish Kumar Goyal	Civil Engineering	Leave of Absence
46	Professor Neelima Devarakonda Satyam	Civil Engineering	Present
47	Professor Palani Iyamperumal Anand	Mechanical Engineering	Present
48	Professor Bhupesh Kumar Lad	Mechanical Engineering	Online Attended
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	Leave of Absence
53	Professor Abhishek Srivastava	Computer Science and Engineering	Leave of Absence



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54	Professor Kapil Ahuja	Computer Science and Engineering	Leave of Absence
55	Professor Abhirup Datta	Astronomy, Astrophysics and Space Engineering	Present
56	Professor Amit Kumar	Biosciences and Biomedical Engineering	Online Attended
57	Professor Prashant Kodgire	Biosciences and Biomedical Engineering	Present
58	Professor Sk. Safique Ahmad	Mathematics	Online Attended
59	Professor Apurba Kumar Das	Chemistry	Online Attended
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	Present
65	Professor Ruchi Sharma	Humanities and Social Sciences	Present
66	Professor Preeti Anand Bhobe	Physics	Present
67	Professor Rajesh Kumar	Physics	Leave of Absence
68	Professor Sudeshna Chattopadhyay	Physics	Present
69	Professor Parasharam M. Shirage	Metallurgical Engineering and Materials Science	Leave of Absence
70	Professor Swadesh K. Sahoo	Mathematics	Leave of Absence
71	Professor Raghunath Sahoo	Physics	Leave of Absence
72	Professor Amod C. Umarikar	Electrical Engineering	Online Attended
73	Professor Vivek Kanhangad	Electrical Engineering	Online Attended



74	Professor Srivathsan Vasudevan	Electrical Engineering	Online Attended
75	Professor Devendra L. Deshmukh	Mechanical Engineering	Online Attended
76	Prof. Pankaj Ramesh Sagdeo	Physics	Present
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	Present
83	Professor Chelvam Venkatesh	Chemistry	Online Attended
84	Professor Kiran Bala	Biosciences and Biomedical Engineering	Online Attended
85	Professor Mirza Saqib Baig	Biosciences and Biomedical Engineering	Leave of Absence
86	Professor Anirban Sengupta	Computer Science and Engineering	Online Attended
87	Professor Neminath Hubballi	Computer Science and Engineering	Leave of Absence
88	Professor Rupesh Shivaji Devan	Metallurgical Engineering and Materials Science	Online Attended
89	Professor Santosh Sattappa Hosmani	Metallurgical Engineering and Materials Science	Leave of Absence
90	Professor Antony Vijesh Villavarayan	Mathematics	Leave of Absence
91	Professor Niraj Kumar Shukla	Mathematics	Leave of Absence
92	Professor Satyajit Chatterjee	Mechanical Engineering	Leave of Absence
93	Professor Kazi Sabiruddin	Mechanical Engineering	Leave of Absence
94	Professor Pavan Kumar Kankar	Mechanical Engineering	Online Attended



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95	Professor Sharad Gupta	Biosciences and Biomedical Engineering	Present
96	Professor Surya Prakash	Computer Science and Engineering	Online Attended
97	Professor Somnath Dey	Computer Science and Engineering	Present
98	Professor Sanjaram Premjit Khanganba	Humanities and Social Sciences	Leave of Absence
99	Professor M. Tanveer	Mathematics	Leave of Absence
100	Professor Shailesh Kundalwal	Mechanical Engineering	Online Attended
Other Authorities			
101	Dr. Saptarshi Ghosh	Chief Warden	Leave of Absence
102	Dr. Sharad Gupta	Convener, Health Center Advisor Committee	Present
103	Dr. Anand Petare	Workshop Superintendent, Central Workshop	Present
Secretary			
104	Mr. S. P. Hota	Registrar, IIT Indore	Present
Special Invitees			
105	Dr. Abhishek Yadav	Philosophy, HSS (for agenda item no. 56.7)	Present
106	Dr. Umesh Kshirsagar	DPGC, Chemistry (for agenda item no. 56.6.1)	Present
107	Dr. Bodhisatwa Mazumdar	PIC, CFDST (for agenda item No. 56.8.2)	Present
108	Dr. Kumar Gaurav	Assistant Registrar, Academic Affairs	Present
109	Mr. Tapes Parihara	Section Officer, Academic Affairs	Present




Minutes of the 56th Meeting of the Senate

ITEM 56.1: Welcome and Opening remarks by the Chairman, Senate.

The Chairman, Senate welcomed all the members in the meeting and discussions with his opening remarks as following:

- Congratulated IITI fraternity for improving the NIRF Ranking 2025 as per following:

Category	Year 2024	Year 2025
Engineering	16 th	12 th
Research	27 th	24 th
Overall	33 rd	27 th

- He informed the senate that a total of 1021 students were admitted to various programs in AY 2025-26.
- From this year the MTech program has also introduced two new specializations:
- Electrical Engineering with specialization in Power Systems and Power Electronics
 - Biosciences and Biomedical Engineering with specialization in Biomedical Devices
- 30 Officers of MCTE Mhow have joined M.Tech. program in CFDST.
- The Institute has launched a new MA program in English (Literature and Linguistics), broadening its academic diversity.
- The Institute has launched a new B.Des. program through the School of Innovation.
- One student has secured admission in the B.Tech. programme under Sports excellence admission quota.
- Total 814 students have graduated and awarded degrees has been conferred during the convocation held on 12th July 2025.
- He welcomed the newly appointed Dean of International Relations (DoIR) Prof. Prabhat Kumar Upadhyay, HOD of Chemical Engineering Dr. Eswar Prasad Kormilli, HOD Electrical Engineering Dr. Swaminathan R., HOD Mehta Family School of Biosciences & Biomedical Engg. Dr. Parimal Kar and Prof. Preeti Sharma, Head, Mehta Family School of Sustainability and he thanked and acknowledged the outgoing DoIR, HODs for their contributions to the Institute.
- Congratulated Prof. Debayan Sarkar for receiving the National Teachers Award 2025 by the Government of India.
- Congratulated Prof. Ram Bilas Pachori for becoming INAE fellow with effect from 1st November 2025.
- Informed the senate about the inauguration of Animal Research Laboratory, which was held on 4th September 2025 (Thursday) at 2:15 p.m. Prof. P. Balaram, Former Director, IISc, Bengaluru. Further Prof. Balaram graced the teacher's day event with inspiring words as Chief Guest.



- Informed to the Senate on the sanction of loan of Rs.624.57 Crore under HEFA to IIT Indore for overall infrastructure development.

ITEM 56.2: Confirmation of the minutes of the 55th Meeting of the Senate held on 8th July 2025.

The Senate confirmed the minutes of the 55th Meeting of the Senate held on 8th July 2025.

ITEM 56.3: Action Taken Report (ATR) on minutes of 55th Meeting of the Senate held on 8th July 2025

The senate confirmed the Action Taken Report (ATR) on minutes of 55th Meeting of the Senate held on 8th July 2025

ITEM NO. 56. 4: Revision in the required course work for Ph.D. program.

Dean Academic Affairs has presented the proposal to make Ph.D. coursework (including seminar course) more exhaustive. After thorough deliberation it was resolved that an increase of one course (amounting to increase of three credits) for ME/ M.Tech./ M.Phil or equivalent qualified students admitted to the Ph.D. program in any department/ center/ school is required to ensure academic rigor.

To this effect the Senate has approved the following Course work credits:

Qualifying Degree	Course work credits	Proposed Course work credits
M.Tech./ M.E./ M.Phil. Or equivalent qualification	08 credits	11 credits
M.Sc./ M.A./ M.Com./ M.B.A./ B.Tech./ B.E. or equivalent qualification admitted to a Science or HSS discipline	17 credits	17 credits (No change)
B.Tech./ B.E./ M.Sc. or equivalent qualification admitted to Ph.D. Program in an Engineering discipline	20 credits	20 credits (No change)

- These changes are only for TA and FA category students.
- Course work requirement for MT+PhD, MSc+PhD, MSR+PhD dual degree will be as per requirements of research work and will be subject to the approval of the Thesis supervisor.
- Internal conversion from PG to PhD are exempted from this course work.



- Applicability of the above course work will come into effect for all students admitted into any Ph.D. program of the institute from the beginning of 2026-Spring Semester.

The senate has approved the same.

ITEM NO. 56.5: Consideration of Undergraduate students with UGC-NET qualification to be eligible for admission to the Ph.D. program in all departments.

Dean, Academic Affairs has presented the proposal for consideration of Undergraduate students with UGC-NET qualification to be eligible for admission to the Ph.D. program in all departments as per following:

- 4 years UG degree with UGC (JRF) as FA category
- 4 years UG degree with UGC (PhD) as TA category

The senate has approved the same.

ITEM NO. 56.6: Discussion on the syllabus of 2nd to 4th semester courses pertaining to the revised programs for (i) MSc Chemistry and (ii) MSc Biotechnology as per NEP 2020.

As per the NEP-2020, revision of M.Sc. program is under process. In line with the same course structures and syllabus of 1st semester courses are already approved by the Senate and implemented from 2025-Autumn Semester. The syllabus of remaining semester of M.Sc. in Chemistry and Biotechnology has been presented by respective HODs.

The senate approved the same with the remarks mentioned below:

M.Sc. in Chemistry:

S. No.	Course code Title of the Course	Contact Hours	Remarks
1	CH 4XX/ 6XX: Chemistry and Applications of f-Block Elements	2-1-0-3	• Approved
2	CH 4XX/ 6XX: Molecular Modeling and Computations	1-1-2-3	• List of Experiments to be replaced with list of practical and add new textbooks. • Approved
3	CH 6XX: Chemistry Lab-III: Numerical and	0-1-2-2	• Textbooks no. 1 and 2 of the syllabi to be mentioned as reference books.



	Computational Methods		- Only reference books are to be mentioned. - Approved
4	CH 6XX: Scientific Communication	0-1-0-1	- Best research practices, laboratory and chemical safety, and maintaining a healthy laboratory environment to be deleted, - Ethical use of AI in scientific communication to be added. - Hanganu-Bresch, C.; Zerbe, M. J.; Cutrufello, G.; Maci, S. M. The Routledge Handbook of Scientific Communication, Taylor & Francis, 2022. ISBN: 978-0-367-48979-3. To be show as textbook and others as reference book. - Approved

M.Sc. in Biotechnology:

S. No.	Course code Title of the Course	Contact Hours	Remarks
1	BSE 6XX: Bioprocess Engineering and Technology	2-1-0-3	'&' to be replaced with 'and' - Approved
2	BSE 6XX: Plant and Animal Biotechnology	2-1-0-3	Approved
3	BSE 6XX: Scientific Communication Skills	0-2-0-2	'&' to be replaced with 'and' "Preparation for research: Choosing a mentor, laboratory, research question, and maintaining a lab notebook" to be replaced with "Preparation for research: Choosing a research problem and maintaining a lab notebook". 'Foundations for a productive career, understanding career options, career planning' to be modified as 'Foundations for scientific career'. - Reference books on Research Problems are to be added. - Approved
4	BSE 6XX: Bioprocess Engineering and Technology	0-0-4-2	Use full form of MFA?



	Laboratory		• Approved
5	BSE 6XX: Plant and Animal Biotechnology Laboratory	0-0-4-2	• Revise reference books • Approved
6	BSE 6XX: Research Ethics and Methodology	0-1-0-1	• '<i>Research Ethics and Methodology</i>' to be modified as '<i>Research Methodology and Ethics</i>' • Include Ethical use of AI in Syllabus. • Approved
7	BSE 6XX: Immunology and Immunotechnology	2-1-0-3	• The pre-requisite of the course will be 'None' • Approved
8	BSE 6XX: Immunology Laboratory	0-0-4-2	• '<i>Evaluate the usefulness of immunology in different pharmaceutical companies</i>' to be modified as '<i>Evaluate the usefulness of immunology in different pharmaceutical domains</i>' • '<i>Identify proper research lab working in area of their own interests</i>' the complete sentence to be removed. • Places of books published to be removed. • 13 digits of ISBN to be used. • Approved
9	BSE 8XX: M.Sc. Project (Stage-I)	0-0-6-3	• Approved
10	BSE 8XX: M.Sc. Project (Stage-II)	0-0-30-15	• Approved

ITEM NO. 56.7: Syllabus of proposed new courses in various departments.

The Concerned HODs/ faculties presented their courses for approval.

The senate approved the same with the remarks mentioned below:

S. No.	Course code Title of the Course	Contact Hours	Remarks
1	EV 6XX/ ME 6XX: Advanced Driver- assistance Systems and Autonomous Vehicles	2-1-0-3	• Course name approved as <i>Advanced Driver- Assistance Systems and Autonomous Vehicles</i>



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			- Course code will be EV 4XX/6XX - Approved
2	PH 7XX: Advanced Condensed Matter Physics	2-1-0-3	- Year of publication books are to be added - Approved
3	CE 3XX: Railway Engineering	2-1-0-3	Approved
4	HS 634: Foundations of Literary Theory	2-1-0-3	Approved
5	HS 6XX/ 4XX: Philosophy of Biology	3-0-0-3	Approved
6	HS 1XX: Thinking Tools and Thought Experiments	1-0-0-1	Approved
7	HS 3XX: Philosophy of Mind	3-0-0-3	Approved
8	HS 3XX: Agricultural Economics	3-0-0-3	Approved
9	EE 4XX/6XX: Game Theory and Mechanism Design	2-1-0-3	Approved

ITEM NO. 56.8: Reporting Items:

56.8.1 : Approval of the additional student who has completed all the prescribed requirements for the award of degree during the 13th convocation of institute.

The senate ratified and approved the same.

56.8.2 : Approval regarding intake of M.Tech. in Communication and Information Systems (CIS) being offered by Centre for Futuristic Defense and Space Technology (CFDST).

The senate ratified and approved the same.

ITEM NO. 56.9: Any other matter with the permission of the Chair.

NIL


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




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