



Indian Institute of Technology Indore

Minutes of the 29th meeting of the Senate held from 15.30 hrs on April 6, 2022 (Wednesday) at Sandipani Seminar Hall, IIT Indore.

Following members attended the meeting:

Chairperson

1 Professor Suhas S. Joshi Director, IIT Indore

External Experts

2 Mr. B Anil Baliga Ex Executive Vice President,
VE Commercial Vehicles Ltd,
3 Prof. Abhiram G. Ranade Professor, Department of Computer Science and
Engineering, IIT Bombay
4 Prof. Ajay Kumar Jain Professor, Management Development Institute,
Gurgaon

Deans

5 Prof. Anand Parey Dean, Resources Generation
6 Prof. Pritee Sharma Dean, Administration
7 Prof. Manish Kumar Goyal Dean of Infrastructure Development
8 Prof. I.A. Palani Dean, Research and Development
9 Dr. Srivathsan Vasudevan Dean, Student Affairs
10 Dr. Devendra Deshmukh Dean, Academic Affairs

Head of Departments

11 Prof. Vipul Singh HOD, Electrical Engineering
12 Prof. Santosh K. Sahu HOD, Mechanical Engineering
13 Prof. Amit Kumar HOD, Biosciences and Biomedical Engineering
14 Prof. Abhirup Datta HOD, Astronomy, Astrophysics and Space
Engineering
15 Prof. Nirmala Menon HOD, Humanities and Social Science
16 Dr. Abhishek Rajput HOD, Civil Engineering
17 Dr. Somnath Dey HOD, Computer Science and Engineering
18 Dr. Vinod Kumar HOD, Metallurgy Engineering and Materials
Science
19 Dr. Chelvam Venkatesh Acting HOD, Chemistry
20 Dr. Niraj Kumar Shukla HOD, Mathematics
21 Dr. Pankaj R. Sagdeo HOD, Physics

Heads of Centers and Services

22 Prof. Mukesh Kumar Head, Center of Advanced Electronics
23 Prof. Sandeep Chaudhary Head, Center for Rural Development and
Technology
24 Prof. Suman Mukhopadhyay Head, Sophisticated Instrumentation Center
25 Prof. Aruna Tiwari Head, Counselling Services
26 Dr. Neminath Hubballi Head, Computer and Information Technology
Center



27	Dr. Indrasen Singh	Head, Center of Futuristic Defense and Space Technology
28	Dr. Pavan Kumar Kankar	Head, Training and Placement
Professors		
29	Prof. Narendra S. Choudhary	Computer Science and Engineering
30	Prof. Neelesh Kumar Jain	Mechanical Engineering
31	Prof. Anand Parey	Mechanical Engineering
32	Prof. Ram Bilas Pachori	Electrical Engineering
33	Prof. Abhinav Kranti	Electrical Engineering
34	Prof. Vimal Bhatia	Electrical Engineering
35	Prof. Rajneesh Misra	Chemistry
36	Prof. Suman Mukhopadhyay	Chemistry
37	Prof. Sandeep Chaudhary	Civil Engineering
38	Prof. G. S. Murthy	Biosciences and Biomedical Engineering
39	Prof. Santosh Kumar Vishvakarma	Electrical Engineering
40	Prof. Shaibal Mukherjee	Electrical Engineering
41	Prof. Vipul Singh	Electrical Engineering
42	Prof. Prabhat Kumar Upadhyay	Electrical Engineering
43	Prof. Trapti Jain	Electrical Engineering
44	Prof. Mukesh Kumar	Electrical Engineering
45	Prof. Manish Kumar Goyal	Civil Engineering
46	Prof. Neelima Devarakonda Satyam	Civil Engineering (Through Online)
47	Prof. I. A. Palani	Mechanical Engineering
48	Prof. Bhupesh Kumar Lad	Mechanical Engineering
49	Prof. Santosh Kumar Sahu	Mechanical Engineering
50	Prof. Ritunesh Kumar	Mechanical Engineering
51	Prof. Dhinakaran Shanmugam	Mechanical Engineering
52	Prof. Aruna Tiwari	Computer Science and Engineering
53	Prof. Kapil Ahuja	Computer Science and Engineering
54	Prof. Abhirup Datta	Astronomy, Astrophysics and Space Engineering
55	Prof. Amit Kumar	Biosciences and Biomedical Engineering
56	Prof. Prashant Kodgire	Biosciences and Biomedical Engineering
57	Prof. Sk. Safique Ahmad	Mathematics
58	Prof. Apurba Kumar Das	Chemistry
59	Prof. Sampak Samanta	Chemistry
60	Prof. Sanjay Kumar Singh	Chemistry
61	Prof. Nirmala Menon	Humanities and Social Sciences
62	Prof. Pritee Sharma	Humanities and Social Sciences
63	Prof. Ruchi Sharma	Humanities and Social Sciences
64	Prof. Rajesh Kumar	Physics
65	Prof. Sudeshna Chattopadhyay	Physics
66	Prof. Parasharam Maruti Shirage	Metallurgy Engineering and Materials Science
67	Prof. Swadesh Kumar Sahoo	Mathematics
68	Prof. Raghunath Sahoo	Physics
Other Authorities		
69	Dr. Lalit Borana	Chief Warden
70	Dr. Anand Petare	Assistant Workshop Superintendent, Central Workshop

Special Invitees

71	Dr. Eswara Prasad Korimilli	Associate Dean, Academic Affairs (PG & Ph.D)
72	Dr. Amod C. Umarikar	Associate Dean, Faculty Affairs
73	Mr. Rajesh Kumar	Library Information Officer
74	Mr. NeeraJ Kumar	A.R.- Academic
75	Mr. Tapesb Parihar	JS- Academic
76	Mr. Abhay Kumar Awasthi	JA - Academic

Secretary

77 Registrar, IIT Indore

Leave of absence:

1	Professor Himanshu Rai	Director, IIM Indore
2	Shri Shankar V. Nakhe	Director, RRCAT
3	Prof. Avinash Sonawane	Dean, International Affairs
4	Prof. Subhendu Rakshit	Physics
5	Prof. Krushna R. Mavani	Physics
6	Prof. Sarika Jalan	Physics
7	Prof. Abhishek Srivastava	Computer Science and Engineering
8	Prof. Biswarup Pathak	Chemistry
9	Prof. Preeti Anand Bhobe	Physics
10	Dr. Sharad Gupta	Convener, Health Center Advisor Committee
11	Representative Student Gymkhana (Special Invitee)	

ITEM 29.1: Opening remarks by the Chairman, Senate.

Being a first Senate meeting chaired by the new Director, the Senate members welcomed Prof. Suhas S. Joshi as the Chairman Senate.

The Chairman Senate welcomed all the members and special invitees to the meeting. He specially welcomed all the new members who became Senate members by virtue of their appointment as a professor. He also conveyed appreciation for organizing the first offline meeting after the pandemic.

The Chairman emphasized on translational research. He said that IIT Indore should focus more on making research relevant to society and industries. The chairman stressed that IIT Indore should also work with the surrounding institution, working among farmers, tribals, and others at the bottom of the pyramid and striving to provide high technology solutions at affordable costs.

The Chairman informed the senate about collaboration with RRCAT on various domains including manufacturing, astronomy and astrophysics and physics. The Chairman introduced the concept of Tinkerers' Laboratory (followed at IIT Bombay) which is entirely run by the students and advised building such a Laboratory at IIT Indore. He also referred about the Institute vision to establish "Makers' Space" of IIT Indore to inculcate the spirit of 'doing by hands' among the student of the Institute.

The Chairman also informed about the two first-time donations to the Institute's development, one of them was from parents of students of IIT Indore, and the other was by an alumnus.



ITEM 29.2: Presentation on the Academic Vision of IIT Indore by the Dean, Academic Affairs.

Dean of Academic Affairs presented the early thoughts on the 'Academic Vision' of IIT Indore. This included the following parts:

- (1) Societal Connect
- (2) Industry Connect
- (3) Innovation and Entrepreneurship
- (4) Holistic Education
- (5) Hands-On Training
- (6) Indicative New Programs

The Senate noted the same.

ITEM 29.3: Confirmation of the minutes of the 28th Meeting of Senate held on November 1, 2021.

The Senate confirmed the Minutes of its 28th Meeting of Senate held on November 1, 2021.

ITEM 29.4: Action Taken Report (ATR) on minutes of 28th Meeting of Senate held on November 1, 2021.

The Senate noted the actions taken on the decisions of the 28th Meeting of Senate held on November 1, 2021, with minor changes w.r.t the implementation of the following minor programs:

- (a) AASE minor program: B.Tech. (2021-22) will be able to avail it.
- (b) Economics minor program: B.Tech. (2021-22) will be able to avail it.
- (c) Liberal Arts minor program: B.Tech. (2021-22) will be able to avail it.

ITEM 29.5: Ratification items:

1. Revised course structure of M.Tech., M.Tech.+ Ph.D. dual degree program in Thermal Energy Systems.

The Senate discussed the proposal and approved the revised course structure to be offered from A.Y. 2022-23.

ITEM 29.6: Proposal of four new courses.

Senate discussed and approved the syllabi of the following courses with the observations mentioned against the course.

S. No.	Course Code and Title of the Course	Contact Hours (L-T-P-Credit)	Program for which course is offered	Remarks/ Observations
1.	ME 609: Thermal Energy Storage	2-1-0-3	PG and Ph.D.	Approved

2.	HS 212: History of India after Independence, 1947-2000	2-1-0-3	UG	Approved
3.	HS 213: Cognitive Psychology	3-0-0-3	UG	Approved with changed LTPC to 2-1-0-3
4.	HS 327: Mind, Action, and Technology	2-1-0-3	UG	Approved

ITEM 29.7: Proposal of M.Tech., M.Tech.+Ph.D. dual degree program in Structural Engineering by the Department of Civil Engineering.

Senate discussed the details of the proposal which was presented by the Head, Civil Engineering Department and other faculty members and approved the same with the following changes:

1. The laboratory courses should be part of respective core courses instead of independent elective courses.
2. Changing departmental elective 1 from laboratory course to theory course
3. Laboratory courses should be a part of each core courses instead of independent elective courses.
4. A few changes in contact hours(L-T-P-C) of the following courses as mentioned below:

Course Code	Course Title	Contact Hours (L-T-P)	Credits
CE XXX	Field Engineering Lab	0-0-6	3
CE 684	Advanced Concrete Technology	2-1-2	4
CE XXX	Finite Element Applications in Structural Engineering	2-1-2	4

The revised course structure for the program is as follows:

1st Year: Semester-I

Course code	Course Title	Contact Hours (L-T-P)	Credits
CE 464/ CE 664*	Advanced Solid Mechanics	2-1-0	3
CE XXX	Mechanics of Composite Materials and Structures	2-1-0	3
CE XXX	Design of Steel Concrete Composite Structures	2-1-0	3
CE XXX	Condition Monitoring and Reliability Assessment	2-1-0	3
CE XXX	Analysis and Design of Tall Buildings	2-1-0	3
CE XXX	Field Engineering Lab	0-0-6	3

Total minimum credits earned during the semester			18
Additional course (as per the requirement basis)			
HS 641	English Communication Skills	2-0-2	PP/NP

1st Year: Semester-II

Course code	Course Title	Contact Hours (L-T-P)	Credits
CE 684	Advanced Concrete Technology	2-1-2	4
CE XXX	Prestressed Concrete Design	2-1-0	3
CE XXX	Finite Element Applications in Structural Engineering	2-1-2	4
CE XXX	Structural Dynamics and Earthquake Engineering	2-1-0	3
CE XXX	PG Seminar Course	0-0-4	2
CE XXX	Elective-I	2-1-0	3
ZZ XXX	Elective-II	2-1-0	3
Total minimum credits earned during the semester			22

2nd Year: Semester-III

Course code	Course Title	Contact Hours (L-T-P)	Credits
CE 799	M. Tech. Research Project (Stage-I)	0-0-36	18
Total minimum credits earned during the semester			18

2nd Year: Semester-IV

Course code	Course Title	Contact Hours (L-T-P)	Credits
CE 800	M. Tech. Research Project (Stage-II)	0-0-36	18
Total minimum credits earned during the semester			18
Total minimum credits to be earned during the program			76

Senate also approved the cross-listing of the following UG courses:

CE 410/ CE 610 Offshore Engineering
CE 432/ CE 632 Plastic Analysis and Design
CE 464/ CE 664 Advanced Solid Mechanics

The Senate suggested that the syllabi of some of the individual courses, note presented in this meeting, should be presented in the next meeting for approval through the proper channel. The Senate suggested that for any new future program, complete structure with syllabi should be presented together for discussion.

ITEM 29.8: Guidelines and Procedure for award of VPP MENON MEDAL for the best PhD Dissertation work by a female student.

Senate discussed the proposal in detail and approved the same to the BoG with the following suggestions:

1. The policy of CPI of 8 for the Ph.D. candidates is not relevant for the Best Ph.D. Thesis award.
2. There should not be any disciplinary action pending/taken against the student.

Hence, the following suggestions were made:

- a) Form No. PTS-5 should be changed accordingly to request input from external examiner.
- b) Direct nominations from departments will be called for the convocation in 2022.

It was also advised that as the best research work publication / outcome may take some time after the PhD submission, student may be given an option of applying for this medal up to 01 years after the award of the degree.

ITEM 29.9: Proposed format of degree certificate for M.S. Degree program in Data Science and Management.

Senate discussed the proposal in detail and approved the format of degree certificate for M.S. Degree program in Data Science and Management with suggestions. The revised format is given below:



Indian Institute of Technology Indore

Upon the recommendation of the Senate of IIT Indore

and

Indian Institute of Management Indore

Upon the recommendation of the Academic Council and Board of Governors



hereby confers the degree of

Master of Science in

Data Science and Management

on

XYZ



who has successfully completed all the prescribed requirements for the award of this degree,
given Jointly under the seal of the Indian Institute of Technology Indore
and Indian Institute of Management Indore at Indore in the Republic of India on the

November, Two Thousand and Twenty One.



Registrar, IIT Indore

Chairperson, PGP IIM Indore

Chairperson, Senate
IIT Indore

Chairperson, Board of Governors
IIT Indore

Director,
IIM Indore

Chairperson, Board of Governors
IIM Indore



ITEM 29.10: Any other item with the permission of the Chair.

ITEM 29.10.1: "Changing the name of the current B.Tech. program offered by MEMS".

Senate discussed the proposal and approved the changing the name of the current B.Tech. program offered by MEMS from "*Metallurgy Engineering and Materials Science*" to "*Metallurgical Engineering and Materials Science*" w.e.f. the batch graduating in the Convocation 2022.

ITEM 29.10.2: Revision of accommodation charges for International PG and Ph.D. students.

Senate discussed the proposal and approved the fees for all international including OCI/PIO/NRI as follows:

Particulars		Fee
(A)	Tuition Fee	USD 1000
(B)	Other charges (including living expenses)	Same as applicable to the Indian Students per semester relevant to the Program (PG and PhD)
	Accommodation Fee	
	Registration Fee	
	Refundable Security Deposit	
	One-time Admission Fee	
	Group Insurance Premium	
(C)	Dining charges	Same as applicable to the Indian Students.
(D)	Any other applicable charges	Same as notified by the Institute from time to time

ITEM 29.10.3: Item for Reporting - Duplicate Degree issued to the B. Tech alumni Mr. Apoorv Kulshrestha.

Senate noted the same.

ITEM 29.10.4:

Dean, Academic Affairs informed to the Senate that the End Semester Exam of 2022 spring semester will be offline mode.

The meeting concluded with thanks to the Chair.


06.05.2022

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


(Mr. S. P Hota)

Registrar I/c and Secretary, Senate

