



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research Berhampur
 Established by the Ministry of Education, Govt. of India

Minutes of the 2023-2/18th Meeting of the Senate of IISER Berhampur

The meeting of the Senate of IISER Berhampur (2023-2/18th) was held in hybrid mode in the Boardroom and through Zoom at 11:00 AM on Friday, June 30, 2023. The following members were present:

• Professor Ashok Kumar Ganguli, Director and HoD, Mathematical Sciences	Chairperson
• Professor Yogender Sharma, Dean, Faculty Affairs, HoD, Biological Sciences	Member
• Professor Vishwas Chavan, Dean, R&D, IR & Outreach, Chair, Computer & Data Science	Member
• Professor Surendra Nath Mishra, Visiting Professor and HoD, Physical Sciences	Member
• Dr. Sanghamitra Pati, Director, Regional Medical Research Centre (ICMR) Bhubaneswar (through Zoom)	Member
• Professor P. Radha Krishna, Professor and HoD, Computer Science & Engineering, NIT Warangal (through Zoom)	Member
• Professor Bedangadas Mohanty, Dean, Faculty Affairs, Professor School of Physical Sciences, NISER Bhubaneswar (through Zoom)	Member
• Dr. Sulakshana P Mukherjee, Associate Professor and HoD Department of Chemical Sciences, Associate Dean of Academic Affairs IISER Berhampur	Member
• Dr. Nihar Kanta Patra, Librarian, IISER Berhampur	Member
• Dr. Natasha Sharma, Warden, Assistant Professor, Department of Physical Sciences	Member
• Dr. Prabhat Singh, Coordinator Student Affairs, Scientific Officer Department of Biological Sciences	Member
• Shri Pradeep Kumar Ray, Registrar & Secretary, Senate (ex-officio)	Non-Member

The following members could not attend the meeting due to pre-occupation and were granted leave of absence:

• Professor Achanta Venugopal, Director, CSIR- National Physical Laboratory (NPL) New Delhi	Member
• Professor Challa Vijay Kumar, Professor of Chemistry and Biochemistry, University of Connecticut, USA	Member
• Professor C. S. Rajan, Professor, Ashoka University, New Delhi	Member
• Professor Joydip Mukhopadhyay, Dean, Academic Affairs, HoD EES	Member
• Professor Jaikumar Radhakrishnan, Professor of School of Technology and Computer Science, TIFR Mumbai	Member
• Shri Sandeep Ranade, Software Engineer, Hindustani Classical, Vocalist, Composer and Teacher	Member

The following attended the meeting as special invitees:

- Dr. Jose Sebastian, Assistant Professor, Convener, DUGC, Biological Sciences
- Dr. Vivek Tiwari, Assistant Professor, Convener, DPGC, Biological Sciences
- Dr. Adinarayana Doddi, Assistant Professor, Convener, DUGC, Chemical Sciences
- Dr. Prosenjit Daw, Assistant Professor, Convener, DPGC, Chemical Sciences
- Dr. Bikashkali Midya, Assistant Professor, Convener, DPGC, Physical Sciences
- Dr. Kasi Viswanadham G, Assistant Professor, Convener, DUGC, Mathematical Sciences
- Dr. Azhar M Shaikh, Assistant Professor, Convener, DUGC, Earth and Environmental Sciences
- Dr. Pabitra Barik, Asst. Professor, Mathematical Sciences
- Dr. Bodhisatta Nandy, Asst. Professor, FIC, Biological Sciences
- Dr. Prem Prakash Pandey, Asst. Professor, FIC, Mathematical Sciences
- Dr. Rahul Sharma, Asst. Professor, Physical Sciences
- Dr. Mukund Ramakrishnan, Asst. Professor, Biological Sciences
- Shri Somnath Kale Dadhabau (1810504), PhD Student Representative
- Shri Advait Menon (19007), SAC Senate Representative-UG
- Shri Soumya Ranjan Parida (19127), President SAC

1. **Opening remarks of the Chairperson, Senate, IISER Berhampur**

At the outset, the Chairperson welcomed the members present at the 18th meeting of the Senate of IISER Berhampur.

2. **Confirmation of the Minutes of the 2023-1/17th Meeting of the Senate, IISER Berhampur**

The minutes of the 17th meeting of the Senate were circulated to all members through email dated May 24, 2023. A typographical error in the Resolution No. 6 (Capping of seats for Major) was detected by the PhD representative. After correction, the paragraph in the resolution may be read as follows:

The student representative raised a query that the 2021 and 2022 batch were not informed regarding the percentage distribution of the major disciplines. The Director informed that the Institute will discuss and arrive at a possible solution for it.

The Senate resolved to confirm Minutes of the 2022-1/17th meeting of the Senate held on May 18, 2023, as circulated and placed on the table for confirmation.

3. **To consider the Action Taken Report (ATR) on the decisions taken in the 2023-1/17th Meeting of the Senate, IISER Berhampur**

The Senate resolved to take on record, the Action Taken Report on the decisions of the 2022-1/17th Meeting of the Senate held on May 18, 2023, with a note of appreciation.

4. **Ratification of the items approved by the Chairperson Senate, IISER Berhampur**

The Senate resolved to ratify the approval of the Chairperson, Senate for the issuance of provisional degree certificate and transcript to the students.

5. **To consider and recommend to the BoG for award of BS-MS dual degree and MS degrees to the pass-out students of BS-MS and iPhD programmes respectively for the AY-2023 during the 3rd Convocation**

The result of 101 students of BS-MS dual degree programme, four students of iPhD programme was presented to the Senate. The following students have completed all requirements for the award of BS-MS and MS degrees:

A. Students Passing out with BS-MS degree in 2023

S. No.	Roll	Name	Major	Credit	CPI	PRJ	PRJ	CPI
1	16034	Kunmun Naik	BIO	159	6.55	36	A	7.19
2	16051	Soubhagya Majhi	PHY	162	6.98	32	A	7.47
3	17001	Abhijit Kumar Nayak	CHM	153	5.92	36	A	6.70
4	17016	Anupam Barman	BIO	158	6.87	36	A	7.45
5	17034	Dora Mahananda	CHM	154	6.52	36	A	7.18
6	17039	Gayatri Garg	CHM	160	5.91	36	B	6.30
7	17050	Jasasree Singh	CHM	157	6.09	36	A	6.82
8	17070	Partha Pratim Roy	BIO	161	6.72	36	A	7.30
9	17090	Satya Ranjan Pattnaik	BIO	161	7.23	36	A	7.73
10	17091	Saurav	PHY	186	8.29	32	C	7.95
11	17104	Shubham Lokhande	BIO	161	6.51	36	A	7.15
12	17118	Tumpa Singh	CHM	157	5.85	36	A	6.62
13	18002	Aditya Padhi	PHY	162	8.49	32	A	8.74
14	18008	Amlandeep Nayak	PHY	162	9.12	32	A	9.27
15	18009	Amrit Patra	BIO	169	7.6	36	A	8.02
16	18011	Ananya Anubhab Biswal	PHY	166	8.31	32	A	8.59
17	18012	Animesh Nayak	MTH	177	7.73	32	A	8.08
18	18016	Ashish Sahoo	CHM	153	7.53	36	A	8.00
19	18017	Ashutosh Panigrahi	PHY	166	9.54	32	A	9.62
20	18020	Banhi Shikha Mondal	CHM	185	8.28	36	A	8.56

21	18023	Bighnesh Nanda	MTH	169	8.72	32	A	8.93
22	18024	Bikash Murmu	PHY	166	7.49	32	B	7.58
23	18026	Chandrakanta Behera	BIO	159	6.91	36	A	7.48
24	18027	Chinmay Padhan	MTH	161	7.69	32	B	7.74
25	18028	Chinmaya Kumar Sahoo	PHY	166	8.95	32	A	9.12
26	18029	Chitrak Bhowmik	PHY	170	9.74	32	A	9.78
27	18031	Deepak Bisht	PHY	190	8.79	32	A	8.96
28	18032	Deepjyoti Satpathy	PHY	186	8.71	32	A	8.90
29	18035	Dipismita Panda	CHM	157	7.97	36	B	7.98
30	18036	Gokul Madhav	BIO	162	8.42	36	A	8.71
31	18038	Haradhan Ruidas	BIO	162	7.7	36	A	8.12
32	18044	Jyoti Ranjan Biswal	CHM	161	8.81	36	A	9.03
33	18047	Manish Dwari	BIO	174	8.86	36	A	9.06
34	18049	Mayurakshi Mukherjee	PHY	187	9.43	32	A	9.52
35	18058	Pragna Paramita Sahoo	MTH	165	8.58	32	C	8.16
36	18062	Pratyush Tripathy	PHY	166	8.89	32	A	9.07
37	18063	Preity Sukla Sahani	PHY	166	9.41	32	O	9.51
38	18064	Prerna Ranasingh	CHM	183	8.64	36	A	8.87
39	18065	Pritam Pandit	PHY	166	8.6	32	A	8.83
40	18066	Rachel Majhi	BIO	163	5.88	36	D	5.54
41	18068	Rahul Singh	PHY	196	8.55	32	A	8.75
42	18071	Rithik Rathod	MTH	161	8.41	32	B	8.34
43	18072	Ritika Sethi	PHY	191	9.5	32	O	9.57
44	18075	Sadanjeet Kumar Kar	CHM	157	6.7	36	A	7.32
45	18077	Samikshya Kar	PHY	162	9.33	32	B	9.11
46	18079	Saswat Ranjan Bhoi	CHM	157	8.73	36	A	8.96
47	18080	Saumyapriya Rana	BIO	165	8.17	36	A	8.50
48	18081	Sayan Adhikari	CHM	165	8.73	36	A	8.96
49	18083	Shana Chandran	CHM	157	7.95	36	A	8.33
50	18086	Simran Sethi	BIO	167	8.1	36	B	8.08
51	18087	Sindhu Chaudhary	MTH	177	8.15	32	O	8.46
52	18089	Soujanya Barik	MTH	165	8.42	32	A	8.68
53	18092	Soumyadeep Saha	CHM	161	9.6	36	A	9.68
54	18093	Soumyodeep Das	PHY	166	9	32	A	9.16
55	18095	Subhasish Behera	BIO	161	6.16	36	A	6.86
56	18096	Subhrata Behera	CHM	161	6.26	36	A	6.94
57	18100	Suranjana Takoe	BIO	171	6.27	36	A	6.92
58	18102	Sweta Sethi	PHY	162	8.32	32	A	8.60
59	18103	Tanmaya Shree Behera	PHY	162	8.25	32	B	8.21
60	18106	Tushar Dehuri	BIO	162	6.78	36	A	7.36
61	18107	U Abinash Patro	PHY	166	9.16	32	A	9.29
62	18114	Kunjulakshmi R	BIO	166	7.19	36	A	7.69
63	18115	Tanishta Bhattacharya	BIO	174	9.75	36	A	9.79
64	18117	Aniket Aman	BIO	183	7.72	36	B	7.76
65	18118	Anubhav Biswal	BIO	159	7.67	36	A	8.10
66	18119	Ayesha Dash	PHY	193	8.87	32	C	8.46
67	18120	Harshita Mahajan	BIO	162	8.07	36	B	8.06
68	18121	Gayatri Subhalaxmi	PHY	186	8.84	32	A	9.01
69	18122	Punit Kumar	CHM	153	7.75	36	A	8.18
70	18123	Nidhuna Vincent S	BIO	169	7.54	36	A	7.97
71	18124	Arathy M	CHM	157	7.96	36	A	8.34
72	18125	Nisha Kumari	BIO	169	8.93	36	A	9.12
73	18126	Sankar Prasad Jana	MTH	189	8.8	32	A	8.98
74	18128	Om Dwivedi	CHM	177	8.85	36	B	8.70
75	18129	Inderpreet Kaur	BIO	159	6.68	36	A	7.29
76	18130	Prajwal Patil	BIO	166	8.98	36	A	9.16
77	18131	Baibhav Srivastava	PHY	194	9.48	32	A	9.56
78	18132	Tashu	BIO	163	7.78	36	A	8.18
79	18133	Hardik Khurana	PHY	186	8.54	32	O	8.75
80	18134	Debashis Swain	CHM	161	6.91	36	A	7.47
81	18135	Pratyush Prakash Patra	PHY	162	8.64	32	D	7.88

82	18136	Harshit Pal	PHY	162	8.42	32	A	8.68
83	18137	Akshay Sreyas	PHY	166	8.55	32	A	8.79
84	18138	Swadha Tewari	BIO	175	8.26	36	A	8.56
85	18139	Neehar Verma	MTH	185	8.99	32	A	9.14
86	18140	Poulomi Dam	PHY	191	9.3	32	B	9.11
87	18141	Ankita Misra	CHM	181	9.15	36	A	9.29
88	18142	Shainylla L Chen	BIO	163	6.05	36	A	6.76
89	18144	Kanika Phagna	BIO	162	7.36	36	A	7.84
90	18145	Gyanaranjan Parida	BIO	171	8.71	36	A	8.94
91	18146	Bhupendra Baloda	MTH	169	7.53	32	B	7.60
92	18147	Varigonda Naga Venkata Amandeep	CHM	186	7.69	36	A	8.06
93	18149	Sudev Pradhan	PHY	162	9.43	32	B	9.20
94	18150	Betha L G R Manjunath Raj	PHY	162	8.4	32	A	8.66
96	18151	Ashish Eradath	BIO	165	6.46	36	A	7.09
96	18153	Laya V P	BIO	162	7.37	36	A	7.85
97	18154	Ashma Haris	BIO	162	7.81	36	A	8.21
98	18155	Sandra S	PHY	162	9.09	32	A	9.24
99	18156	Saimurali Kolupuri	PHY	166	8.53	32	A	8.77
100	18158	Lingraj Rout	PHY	162	8.59	32	A	8.82
101	18159	Utkarsh Bhore	BIO	165	8.69	36	A	8.93

B. List of students with MS degree from iPhD course

S. No		Name	Discipline	Credit	CPI
1	202007	Rajneesh Kumar	Chemical Science	139	8.6
2	202014	Monika	Physical Sciences	130	9.0
3	202006	Gautham Srinivasan	Biological Sciences	126	8.8
4	202005	Mr Sunil Dhasmana	Biological Sciences	126	7.6

The Senate resolved to recommend to the BoG for the award of degrees to the above-mentioned BS-MS and iPhD students.

To a query of Prof. Bedangadas Mohanty regarding the number of students passing-out, the Institute clarified that one student with 'F' grade is appearing for re-examination scheduled to be held during July 04 – 10, 2023. This student (Mr. Vinay Kumar Kalsi, Roll no. 18109) is in addition to the 101 students who have completed the BS-MS course successfully.

The Director informed the Senate that the 3rd Convocation of the Institute is scheduled to be held on Friday, July 21, 2023 in the Permanent Campus. He announced that Dr. G Satheesh Reddy, Former Scientific Advisor to Raksha Mantri has kindly agreed to grace the occasion as Chief Guest. Due to the difficulty in the road travel from Bhubaneswar to Berhampur, our Chairperson, BoG will be joining the ceremony online. The Director requested all Senate members to visit our campus to participate in the Convocation ceremony.

6. To consider and approve award of various medals to BS-MS students during the 3rd Convocation

The Senate resolved to recommend to the BoG for award of PhD degree to the following research scholars:

- (i) Name of the Scholar : **Purbasha Dasgupta**
 Department : Biological Sciences
 Title of Thesis : "Survival and reproduction under dietary adversities: An investigation on the role of female reproductive adaptation and intergenerational paternal effect using *Drosophila melanogaster* laboratory populations"
 PhD Supervisor : Dr. Bodhisatta Nandy, Assistant Professor
 Date of PhD Defense : April 26, 2023
 Remarks : PhD defense successful

- (ii) Name of the Scholar : **Mahesh Kumar Ram**
 Department : Mathematical Sciences
 Title of Thesis : "Two approaches to study class groups"
 PhD Supervisor : Dr. Prem Prakash Pandey, Assistant Professor
 Date of PhD Defense : June 19, 2023
 Remarks : PhD defense successful

The Senate congratulated the research scholars and their supervisors for the achievement as these will be the first two PhD degrees from IISER Berhampur.

7. To consider and approve award of various medals to BS-MS students during the 3rd Convocation

The Senate resolved to approve award of medals to the following BS-MS students and congratulated them:

S. No.	Name of the Medal	Criteria	Winner
1	President's Gold Medal	Awarded for the best academic performance in the graduating class across all disciplines of the BS-MS (Dual Degree) programme	Tanishta Bhattacharya (Biological Sciences)
2	Director's Gold Medal	Awarded for an outstanding all-round achievement and leadership in the graduating class across all disciplines of the BS-MS (Dual Degree) programme	Ritika Sethi (Physical Sciences)
3	Smt and Sri Kandala Krishnama Chary Memorial Gold Medal	Awarded to the passing out BS-MS student who secures among the highest CPI in Biology major discipline at IISER Berhampur every year	Tanishta Bhattacharya (Biological Sciences)
4	Principal C Sudershan Memorial Gold Medal	Awarded to the passing out BS-MS student who secures among the highest CPI in Chemistry major discipline at IISER Berhampur every year	Soumyadeep Saha (Chemical Sciences)
5	Shri Durgadas Mohanty Memorial Gold Medal	Awarded to the passing out BS-MS student who secures among the highest CPI in Physics major discipline at IISER Berhampur every year	Chitrak Bhowmik (Physical Sciences)
6	Dr. K. Kavitha and Dr. K. Ramanuja Chary Memorial Gold Medal	Awarded to a passing out BS-MS student of any discipline at IISER Berhampur every year who excels both in academics and sports.	Ritika Sethi (Physical Sciences)
7	Proficiency Silver Medals	Biological Sciences	Prajwal Patil
8		Chemical Sciences	Ankita Misra
9		Mathematical Sciences	Neehar Verma
10		Physical Sciences	Ashutosh Panigrahi

Prof Radhakrishna requested the Institute to place these details of awardees on the website.

8. To consider and approve multiple exit options during the BS-MS programme in line with NEP-2020

The Senate resolved to approve the policy for Multiple Exit Options as an addendum (as Clause 13A) to the existing BS-MS Manual. However, the Senate suggested to adopt the nomenclature of the degrees as per the UGC approved nomenclature and NCeF guidelines.

9. To consider and approve new courses and revision courses

The following courses were presented for inclusion/revision by the respective DUGC/DPGC conveners:

Department	Course Level	Course Code	Course Title	Credit	Semester
EES	PhD	EES 603	Petrogenesis of Igneous Rocks	4	Odd
		EES 606	Geochemistry	4	Even
		EES 617	Sedimentology and Basin analysis	4	Odd
		EES 608	Advance Science of Sustainability	4	Even
		EES615	Environmental Chemistry	4	Odd
		EES 602	Metamorphism & Thermodynamics	4	Even
Physical Sciences	BS-MS iPhD PhD	PHY 303 (Revision)	Quantum Mechanics - I	4	Odd
		PHY 644 PHY 544 PHY 444	Topological Quantum Matter	4	Even

For EES Courses:

Prof. Vishwas Chavan informed that the Department of Earth and Environmental Sciences proposed the above courses of EES in order to start PhD course commencing this Academic session. The courses contents have been vetted by external experts.

However, the Senate suggested that the curricula may be reviewed again for the course contents as the some of the courses are similar/same as courses offered to BS-MS. The courses for PhD scholars should be of advanced level. The Senate also suggested to mention lecture hours, tutorial hours and practical/ field visits etc. in the curriculum for more clarity regarding the proposal. One member suggested mentioning of pre-requisites in the proposed course. Prof. Chavan replied that as in case of EES students from diverse background can take up research interest, the pre-requisites can't be mentioned. Dr. Sanghamitra Pati suggested to mention the learning outcomes more prominently in the course curricula. The senate resolved that the courses of EES be put up in the next meeting incorporating the suggestions of aligning the course with the manual for credit calculation in terms of lecture/tutorial/practical hours, and relooking for the advanced contents.

For PHY Courses:

Dr. Bikashkali Midya presented the curricula for inclusion/revision for the Physical Science courses. Prof. Bedangadas Mohanty informed that the proposed revision for the course contents are fine. However, he pointed out that there is a decrease in the number of reference books and the number of instructors taking up this course is only two. He informed that the existing references be kept as it is and any additional references are welcome. The references may be mentioned with edition, if possible. With regard to the instructors, he strongly suggested that all faculty of the Department should teach basic level courses. Prof. S N Mishra suggested that the basic level courses may be taught by all faculty in rotation. The Senate agreed to these suggestions and resolved to approve the inclusion/revision of Physics courses with the above changes.

The following points from the student representatives were discussed:

- Shri Advait Menon informed that there is a mismatch of the course contents available on the website and the contents actually followed. There is a need of updating the website. Prof Chavan informed the Senate that currently the Institute website is undergoing renovation and hopefully, the work will be completed before commencement of the academic session in August 2023. Due care will be taken for updating the course contents during this renovation.

- Shri Advait Menon informed that the students have requested to create an official Placement Cell of the Institute. The Chairperson noted the same and informed that the Institute will look into this.
- To a non-academic matter of seating space for the 5th year students, the Director informed that the same can be discussed separately.
- A point regarding disjoint of theory and practical of Physical Education course was raised. The Director instructed the concerned Department to look into the issue. Further, the Chairperson informed that an Academic improvement committee at the institute level and also a National level Research and Academic Advisory committee has being constituted and will discuss improvements in all academic matters. The Director requested that all these points may be put up to him in writing.
- The PhD representative requested the Senate to consider extension of fellowship to the PhD scholars beyond the six-month's extension. The Director clarified that the cases will be dealt with the existing Govt. of India guidelines, as it involves Grant-in-Aid from the Govt.

The Chairperson once again requested all members to visit the campus for the 3rd Convocation scheduled to be held on Friday, July 21, 2023. In the end, the Chairperson thanked all members for their active participation.

The meeting ended with a vote of thanks to the Chair.


(Pradeep Kumar Ray)
Registrar

Minutes Approved


(Ashok Kumar Ganguli)
Director and Chairperson
Senate of IISER Berhampur 4/7/23

