

## Minutes of Meeting of 7<sup>th</sup> Board of Studies Department of Physics

### Central University of Jharkhand, Ranchi

Seventh meeting of Board of Studies of Department of Physics (DoP) was held on 25 January 2023(2.00 PM onwards) in hybrid mode to discuss and accord different issues of the Department.

Below listed members attended the meeting:

1	Dr. Dharmendra Singh, Assoc. Professor and Head, DoP	Convener & Chairperson
2	Prof. S. N. Tiwari, DEAN, Faculty of Science, Deen Dayal Upadhyay Gorakhpur University,	Member
3	Dr. Rajarshi Raut, Scientist-F UGC DAE, Consortium for Scientific Research (CSR), Kolkata Centre	Member
4	Prof. Piyush Ranjan Das, Dept. of Physics, V.S.S.U.T, Burla, Sambalpur	Member
5	Prof. Sarang Medhekar, Professor, DoP,	Member
* 6	Prof. Arun Kumar Padhy, Professor, DoC, Dean, SNS and Dean R&D	Member
7	Prof. Subhash Chandra Yadav, Professor Head, DCSE	Member
9	Dr. Devdas Lata, Assoc. Professor & Head, DEE	Member
8	Dr. Manoj Kumar, Assoc. Professor, DLS	Member
10	Dr. Gajendra Prasad Singh, Assoc. Professor & Head, DMME	Member
11	Dr. Hrishikesh Mahato, Asst. Professor, DoM	Member
12	Dr. Bhupendra Singh, Asst. Professor, DoP	Member
13	Dr. Jayanta Kumar Baral, UGC FRP Asst. Prof. DoP	Member

Dr. Dharmendra Singh, Chairperson of the committee warmly welcomed the respected guests (External Experts) and all board members. Prof. Sarang Medhekar then gave brief introductions of the external members to all board members.

*[Handwritten signatures and initials]*

\* could not attend the meeting due to other occupation

Agenda-wise resolutions made in the meeting are as attached;

Reference no.	Agenda Items																																																																																																																																																																																				
DoP/BOS: 2023/7/001	<p>Confirmation of the minutes of the 6<sup>th</sup> meeting of the Board of Studies held on 11.09.2021.</p> <p>Committee confirmed the minutes of the 6<sup>th</sup> meeting of the Board of Studies held on 11.09.2021.</p>																																																																																																																																																																																				
DoP/BOS: 2023/7/002	<p>Action taken report</p> <p>Board of Studies members were briefed on action taken report of last board meeting resolutions by the Chairperson. Board members took a note on the report presented by the Chairperson.</p>																																																																																																																																																																																				
DoP/BOS: 2023/7/003	<p>Number of students admitted in various courses of study in the academic year 2021-2022 and 2022-2023</p> <p>The members were informed regarding the students admitted in the department for PG and Ph.D courses in the academic year 2021-2022.</p> <p>Batch 2021 Admitted (MSc 2 years)</p> <table><tr><th>Sl. NO</th><th>State</th><th>Total</th><th>Male</th><th>Female</th><th>Gen</th><th>OBC</th><th>SC</th><th>ST</th><th>EW S</th><th>PH</th><th>Defense</th></tr><tr><td>1</td><td>Jharkhand</td><td>04</td><td>04</td><td>00</td><td>03</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td></tr><tr><td>2</td><td>Bihar</td><td>01</td><td>01</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td>3</td><td>West Bengal</td><td>03</td><td>02</td><td>01</td><td>03</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td>4</td><td>Uttar Pradesh</td><td>01</td><td>01</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td>5</td><td>Kerala</td><td>04</td><td>02</td><td>02</td><td>00</td><td>03</td><td>00</td><td>00</td><td>00</td><td>00</td><td>01</td></tr><tr><td>6</td><td>Odisha</td><td>21</td><td>17</td><td>04</td><td>09</td><td>06</td><td>01</td><td>01</td><td>04</td><td>00</td><td>00</td></tr><tr><td>7</td><td>Chattisgarh</td><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td></tr><tr><td>8</td><td>Haryana</td><td>01</td><td>00</td><td>01</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td>9</td><td>Rajasthan</td><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td></tr><tr><td>10</td><td>Himachal Pradesh</td><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td colspan="2">Total</td><td>38</td><td>30</td><td>08</td><td>16</td><td>11</td><td>03</td><td>03</td><td>04</td><td>00</td><td>01</td></tr></table> <p>Batch 2020 Ph.D Scholar Admitted</p> <table><tr><th>Sl. No</th><th>State</th><th>Total</th><th>Male</th><th>Female</th><th>Gen</th><th>OBC</th><th>SC</th><th>ST</th><th>EW S</th><th>PH</th><th>Defense</th></tr><tr><td>1</td><td>West Bengal</td><td>01</td><td>01</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr><tr><td colspan="2">Total</td><td>01</td><td>01</td><td>00</td><td>00</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr></table> <p>Board members noted the admissions in 2 years M. Sc. Program and admissions in Ph. D. Program.</p> <p><b>Department of Physics</b></p> <p>The students admitted in the department for Integrated UG-PG ,PG and Ph.D. courses in the academic year 2022 are detailed as below.</p> <p>Batch 2022 Admitted (M. Sc 2 Years)</p>	Sl. NO	State	Total	Male	Female	Gen	OBC	SC	ST	EW S	PH	Defense	1	Jharkhand	04	04	00	03	00	00	01	00	00	00	2	Bihar	01	01	00	00	01	00	00	00	00	00	3	West Bengal	03	02	01	03	00	00	00	00	00	00	4	Uttar Pradesh	01	01	00	00	01	00	00	00	00	00	5	Kerala	04	02	02	00	03	00	00	00	00	01	6	Odisha	21	17	04	09	06	01	01	04	00	00	7	Chattisgarh	01	01	00	00	00	00	01	00	00	00	8	Haryana	01	00	01	00	00	01	00	00	00	00	9	Rajasthan	01	01	00	00	00	00	01	00	00	00	10	Himachal Pradesh	01	01	00	00	00	01	00	00	00	00	Total		38	30	08	16	11	03	03	04	00	01	Sl. No	State	Total	Male	Female	Gen	OBC	SC	ST	EW S	PH	Defense	1	West Bengal	01	01	00	00	01	00	00	00	00	00	Total		01	01	00	00	01	00	00	00	00	00
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Sl. NO	State	Total	Male	Female	Gen		OBC		SC		ST		EWS		PH		C
					M	F	M	F	M	F	M	F	M	F	M	F	
1	Jharkhand	11	08	03	4	1	2	1	1	0	1	1	0	0	0	0	C
2	Bihar	02	02	00	1	0	1	0	0	0	0	0	0	0	0	0	C
3	West Bengal	01	01	00	1	0	0	0	0	0	0	0	0	0	0	0	C
4	Uttar Pradesh	02	01	01	1	0	0	0	0	0	0	0	0	1	0	0	C
5	Kerala	02	02	00	1	0	1	0	0	0	0	0	0	0	0	0	C
6	Odisha	21	12	09	4	5	5	1	2	2	0	0	1	1	0	0	C
7	Assam	01	01	00	0	0	0	0	0	0	0	0	1	0	0	0	C
<b>Total</b>		<b>40</b>	<b>27</b>	<b>13</b>	<b>12</b>	<b>6</b>	<b>9</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>C</b>

**Batch 2022 Admitted (Integrated UG-PG)**

Sl. NO	State	Total	Male	Female	Gen		OBC		SC		ST		EWS	
					M	F	M	F	M	F	M	F	M	F
1	Jharkhand	04	01	03	1	2	0	1	0	0	0	0	0	0
2	Bihar	06	04	02	4	2	0	0	0	0	0	0	0	0
3	West Bengal	01	01	00	0	0	1	0	0	0	0	0	0	0
4	Uttar Pradesh	01	01	00	1	0	0	0	0	0	0	0	0	0
5	Odisha	01	01	00	1	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>13</b>	<b>08</b>	<b>05</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Batch 2022 Ph. D Admitted**

Sl. NO	State	Total	Male	Female	Gen		OBC		SC		ST		EW
					M	F	M	F	M	F	M	F	
1	Admitted	00	00	00	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>00</b>	<b>00</b>	<b>00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Board members noted the admissions in Integrated UG-PG, PG and admissions in Ph. D. Program.

DoP/BOS:  
2023/7/004

Ph. D. Progress reports and Thesis submission of Mr. Amritraj Mahato (CUJ/P/2016/PHDAP/002)

Board members noted the progress reports and Ph.D. thesis submission of Mr. Amritraj Mahato (CUJ/P/2016/PHDAP/002).

DoP/BOS:  
2023/7/005

Ph. D. Progress reports of Mr. Manohar Lal (19160201002), Mr. Nilaksha Ghosh (19160201003), Mr. Nitin Sharma (19160201004), Ms. Puja Sharma (19160201005), and Mr. Rohitash Upadhyay (19160201006).

University fellowship extension of Ms. Puja Sharma (19160201005), Mr. Manohar Lal (19160201002), Mr. Rohitash Upadhyay (19160201006) for 1 year

Board members noted the progress reports of Mr. Manohar Lal (19160201002), Mr. Nilaksha Ghosh (19160201003), Mr. Nitin Sharma (19160201004), Ms. Puja Sharma (19160201005), and Mr. Rohitash Upadhyay (19160201006) and ratified the recommendation of RAC for continuation of the candidates in the Ph. D. Programme.

Board members also noted the University fellowship extension of Ms. Puja Sharma




	(19160201005), Mr. Manohar Lal (19160201002), Mr. Rohitash Upadhyay (19160201006) for 1 year and ratified the RAC recommendations in this regard.
DoP/BOS: 2023/7/006	<p>Ph. D. Progress reports, result of course work and synopsis of Mr. Jagatjyoti Mohapatra (20160201001), Ms. Lipsa Rani Karna (20160201002), Mr. Lupteindu Chhura (20160201003), Mr. Rajesh Kumar Sahoo (20160201004), Mr. Risabh Sharma (20160201005), and Mr. Siddhartha Solanki (20160201007).</p> <p>Board members noted satisfactory progress reports and the course work result and synopsis of Mr. Jagatjyoti Mohapatra (20160201001), Ms. Lipsa Rani Karna (20160201002), Mr. Lupteindu Chhura (20160201003), Mr. Rajesh Kumar Sahoo (20160201004), Mr. Risabh Sharma (20160201005), and Mr. Siddhartha Solanki (20160201007) and ratified the RAC recommendations in this regard.</p>
DoP/BOS: 2023/7/007	<p>Conversion from Project fellowship to university fellowship of Mr. Siddhartha Solanki (20160201007)</p> <p>Board members noted the conversion from Project fellowship to University fellowship of Mr. Siddhartha Solanki (20160201007) and ratified the RAC recommendations in this regard.</p>
DoP/BOS: 2023/7/008	<p>Ph.D. admission, Research Advisory Committee, papers of course work, result of course work and Progress reports of Ph.D. candidate Mr. Rahul Mahato (21160201001)</p> <p>Board members looked into the below mentioned documents of Ph.D. scholar</p> <ul style="list-style-type: none"> <li>• <u>Results Ph.D. Admissions 2021</u></li> <li>• <u>Fee receipt</u></li> </ul> <p>Board members noted the admission of Ph. D. scholar Mr. Rahul Mahato and ratified the DRC recommendations in this regard.</p> <p>Further, Board members noted and ratified the Research Advisory Committee, papers of course work, and result of course work of Mr. Rahul Mahato and approved them. Board members also noted the satisfactory progress reports of Mr. Rahul Mahato.</p>
DoP/BOS: 2023/7/009	<p>Joining of Mr. Rahul Mahato as CRS Project Fellow (Junior)-II, and Conversion from University fellowship to CRS Project fellowship of Mr. Rahul Mahato (21160201001)</p> <p>Board members looked into the below mentioned documents of the Ph.D. scholar</p> <ul style="list-style-type: none"> <li>• <u>Appointment letter of the CRS Project Fellow (Junior)-II post</u></li> <li>• <u>Joining letter of Mr. Rahul Mahato(21160201001)</u></li> </ul> <p>Board members ratified the joining of Mr. Rahul Mahato as CRS Project Fellow (Junior)-II.</p> <p>Board members also noted the conversion from University fellowship to CRS Project fellowship of Mr. Rahul Mahato (21160201001).</p>
DoP/BOS: 2023/7/010	<p>Approval/ratification of the syllabus of Research and Publication Ethics (PHDCAP/111230) of Ph. D. Course Work</p> <p>Members perused the course of Research and Publication Ethics (PHDCAP/111230) proposed by Department of Physics for the Ph. D. course and approved it.</p>




DoP/BOS: 2023/7/011	<p>Regarding 5 year Integrated B.Sc. M.Sc. program in Physics with multiple entry and exit options as per NEP 2020</p> <p>Members noted the initiation of 5 year Integrated B.Sc. M.Sc. program in Physics with multiple entry and exit options as per NEP 2020 and expressed their consent on it.</p>
DoP/BOS: 2023/7/012	<p>Approval/ratification of the Course structure and Syllabi of Integrated B. Sc. and M. Sc. in Physics as per NEP-2020.</p> <p>Members perused the Course structure and Syllabus of 5 Years Integrated M.Sc. in Physics as per NEP-2020 proposed by Department of Physics. It was resolved that course structure and syllabi up to first four semesters may be approved at this moment. The structure and syllabi beyond first four semesters need further discussions and clarifications. Those may be revised as per members advise and the recent directions from the UGC. The same may be placed in the next board of studies meeting for approval.</p> <p>Further, the members advised that the total credits should be same for all similar programs of the university and those should be within the maximum of 210.</p> <p>It was also advised by the members that the department may revise the Course structure and Syllabus 5 Years Integrated M.Sc. in Physics, as and when receipt of guidelines/directions from UGC.</p>
DoP/BOS: 2023/7/013	<p>Approval/ratification of syllabus of Physics-I being offered in the 1st semester to the students of B.Tech. program of the School of Engineering Sciences.</p> <p>Members noted the syllabus of Physics-I offered in the 1st semester to the students of B.Tech. program of the School of Engineering Sciences.</p>
DoP/BOS: 2023/7/014	<p>Approval of special papers (i) Spectroscopy and Lasers (ii) Principles and Instrumentation in conventional and Laser Spectroscopy, and (iii) Group Theory, Molecular Spectra and Modern Optics to be offered to the 4<sup>th</sup> semester students of 2 years M. Sc. in Physics under the specialization "Spectroscopy of Atoms, Molecules and their Ions".</p> <p>Members perused the revised syllabi of the special papers in the area of spectroscopy proposed by Dr. Bhupendra Singh and approved it.</p>
DoP/BOS: 2023/7/015	<p>Papers opted by 1st semester students of Integrated B. Sc. and M. Sc. program of the department of Physics which are being offered by other departments</p> <p>Members noted the papers opted by 1st semester students of Integrated B. Sc. and M. Sc. program as per NEP-2020 of the department of Physics which are being offered by other departments .</p>
DoP/BOS: 2023/7/016	<p>For discussion and recommendation: Discontinuation of M.Sc. Program from 2024 onwards.</p> <p>The agenda was unanimously dropped as it is a policy matter of the university.</p>
DoP/BOS: 2023/7/017	<p>Any other matter with the permission of the chair.</p> <p>With the permission of the chair, Dr Bhupendra Singh suggested that FORTRAN,</p>

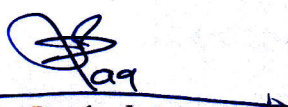
being old, may be replaced by MatLab in the 3rd semester paper (2 Years M.Sc. in Physics) of "Numerical Analysis & Programming"  
The members were agreed to the suggestion.

Finally, The meeting concluded with a vote of thanks to all members proposed by the chair.

  
Dr. Jayanta Kumar Baral

  
Dr. Bhupendra Singh

  
Dr. Hrishikesh Mahato

  
Dr. Devdas Lata

  
Dr. Manoj Kumar

  
Dr. Gajendra Prasad Singh

  
Prof. Subhash Chandra Yadav

Prof. Arun Kumar Padhy

  
Prof. Sarang Medhekar

Prof. S. N. Tiwari

Dr. Rajarshi Raut

Prof. Piyush Ranjan Das

Dr. Dharmendra Singh