

S.P.Mandali's
RAMNARAIN RUIA AUTONOMOUS COLLEGE
DEPARTMENT OF PHYSICS
BoS MEETING (On Google Meet Online Platform)

Minutes of Meeting

Date:13/08/2025; Time 07:00PM – 08:30PM

Members Present:

Sr. No.	Name	Designation
1.	Prof.(Dr.) Nana Pradhan	HoD and Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai
2.	Dr. Bhupesh Mude	Associate Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai
3.	Dr. Onkar Ramdasi	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai
4.	Mr. Devendra Chavan	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai
5.	Dr. Shireen Gangal	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai
6.	Dr. Brahmananda Chakraborty	Associate Professor , Homi Bhabha National Institute, Mumbai & Scientist in High Pressure & Synchrotron Radiation Physics Division of Bhabha Atomic Research Centre, Mumbai
7.	Prof. Milind Belkhedkar	Principal and Head, Department of Physics, Shri Shivaji College of Arts Commerce and Science, Akola, Maharashtra
8.	Dr. Sandip Kakade	Associate Professor, Sir Parashurambhau College, Pune
9.	Mr. Hrishikesh Kamble	Research Assistant , Rudjer Boskovic Institute, Zagreb, Croatia



Introduction & Welcome of BOS Members and brief introduction of the department by Prof. (Dr.) Nana Pradhan, HOD. After introduction, professor Pradhan aksed to chair the meeting by appointing the chairman of this meeting.

Professor Pradhan requested to Professor Milind Belkhedkar to take charge as a chairmen for the meeting.

Proposed by- Dr. Bhupesh Mude

Seconded by- Dr. Onkar Ramdasi

Prof. Pradhan asked Dr. Onkar Ramdasi to proceed for agenda of BoS meeting as follows;

Agenda 1: To confirm the past BoS meeting minutes

Resolution: Minutes of meeting dated 04/04/2025 has been read and accepted anonymously.

Agenda 2. To discuss the certificate courses that the department is planning to start

Resolution: The certificate course based on Optical Instrumentation: Operation, Calibration, and Measurement introduced by Prof. Nana Pradhan . The content and interdisciplinary approach was appreciated by all BoS members. Dr. Kakade also suggested the parallel certificate course on understanding mechanism of EEG, ECG, MRI and etc medical appliances in the view of biophysics which can be effectively useful for all discipline students. Dr. Chakraborty also highlights on computational physics and its uses in the research field. The proposed certificate course outline and implementation will be discussed with dean academics and higher authority to include in the curriculum.

Agenda 3. To discuss the likely future course of the department curriculum in the direction of the fourth year of UG program (if the government policy instructs the Colleges to do so)

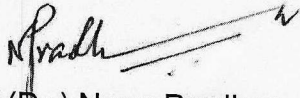
Resolution: The modality and credit structures discussed by Dr. Bhupesh Mude with its merits and demerit regarding requirement of sophisticated instruments for the research work. The details of the BSc. Honours credits and curriculum will be roughly prepared if government policy instructs the Colleges to do so and finalize accordingly.

Agenda 4. Any other matter by the permission of the chair.

Resolution: Dr. Chakraborty suggested some workshops regarding the telescope making or computational physics in reply Prof. Pradhan appreciated the idea of the workshop and requested the suggestions in order to better implementation of 4th year BSc degree course, Dr. Kakade and Mr. Hrishikesh Kamble asked the status of earlier new instrument procurement for the UG and PG practical components since it is very important to conduct the practical as framed in the syllabus. As a part action taken, Prof. Pradhan replied that the apparatus requirement list along with new experimental setup as mentioned few of the instruments was already in the processed of procurement and it will be installed soon for effective implantation of UG and PG practical under NEP 2020.



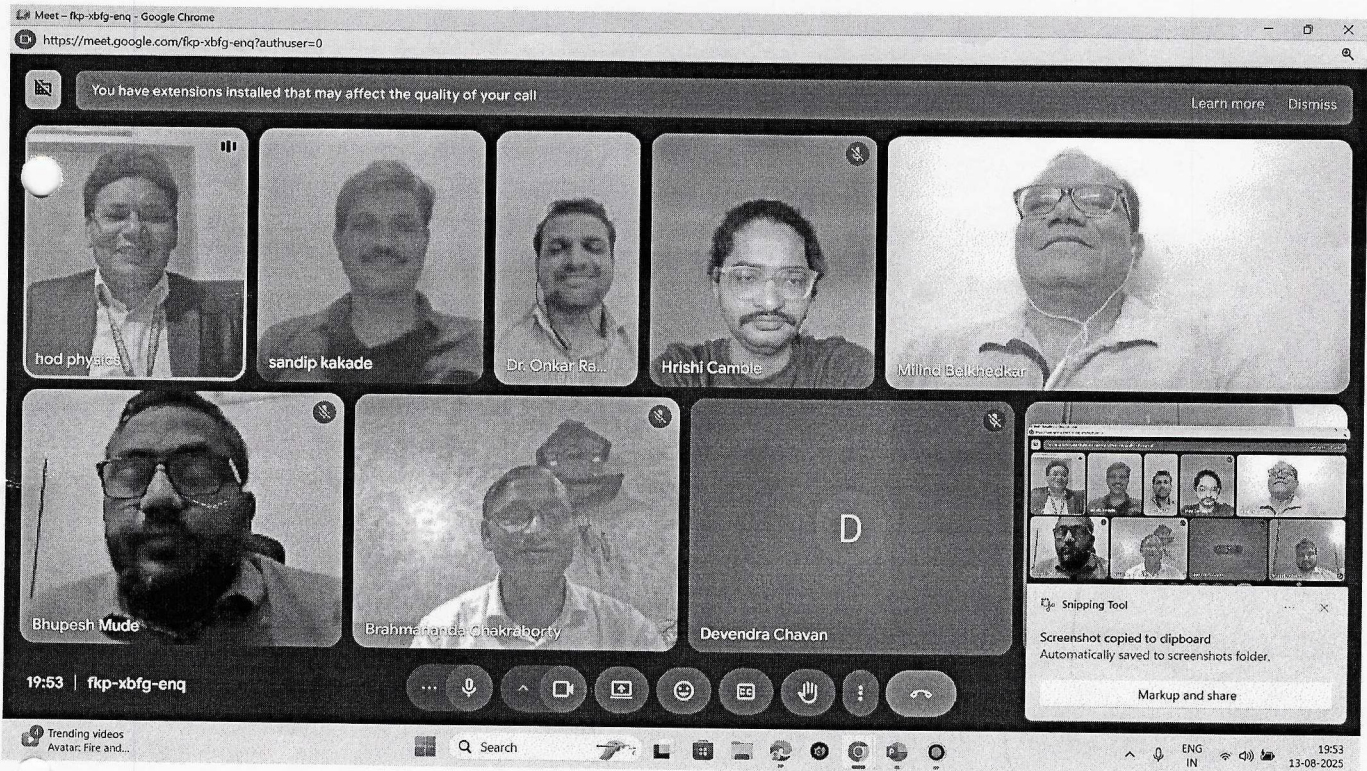
Finally, the BoS meeting ended with Concluding Remarks by Prof. Nana Pradhan and Vote of Thanks by Mr. Devendra Chavan.



Prof.(Dr.) Nana Pradhan,
Professor and Head,
Department of Physics,
Ramnarain Ruia Autonomous College, Mumbai- 400019



Vice Principal
Ramnarain Ruia Autonomous College
Matunga, Mumbai - 400 019



S.P. MANDALI'S
RAMNARAIN RUIA AUTONOMOUS COLLEGE
DEPARTMENT OF PHYSICS
BoS MEETING (On Google Meet Online Platform)

Minutes of Meeting

Date:19/03/2026; Time 06:00PM – 07:00PM

Sr. No.	Name	Designation	Remarks
1.	Prof. (Dr.) Nana Pradhan	HoD and Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai	Present
2.	Dr. Bhupesh Mude	Associate Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai	Present
3.	Dr. Onkar Ramdasi	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai	Present
4.	Mr. Devendra Chavan	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai	Present
5.	Dr. Shireen Gangal	Assistant Professor, Department of Physics, Ramnarain Ruia Autonomous College, Mumbai	Present
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7.	Prof. Milind Belkhedkar	Principal and Head, Department of Physics, Shri Shivaji College of Arts Commerce and Science, Akola, Maharashtra	Present
8.	Dr. Sandip Kakade	Associate Professor, Sir Parashurambhau College, Pune	Present
9.	Mr. Hrishikesh Kamble	Research Assistant, Rudjer Boskovic Institute, Zagreb, Croatia	Present

Welcome and brief introduction of BOS Members and the Department faculty by Prof. (Dr.) Nana Pradhan, HOD. After introduction, Professor Pradhan asked Mr. Devendra Chavan to proceed for the execution of the meeting agenda item one by one with permission of all BoS members.



Agenda item no. 1: To confirm the past BoS meeting minutes

Resolution: The Mom of BoS held on 13/08/2025 read and unanimously approved.

Agenda item no. 2: To discuss and approve the modalities of assessment for the syllabus mentioned in the above point 2.

The Syllabus and its modalities was explained in the meeting. The syllabus for FYBSc SEM - I and SEM-II remains unchanged only modalities for FYBSc for internal assessment has been added with class test/assignments.

Resolution: The points in the Agenda 2 has been accepted unanimously.

Agenda item no. 3: To discuss and approve the introduction of syllabus of Fourth year UG Honours/ Research program.

The syllabus of MSc-I Old and New pattern along with Fourth year UG Honours and Research program shown with consolidated and full curriculum for discussion. The changes in MSc-I SEM-I has been added with a new title as Machine learning with Python along with additional DSE B paper as Elements of Material Science. For MSc-I SEM-II the DSC- III course Computational Physics component added in the place of Solid state device along with additional DSE B paper as Experimental techniques for various baskets. Mr. Hrishikesh suggested to include optical properties in Elements of material science.

The syllabus for all courses as shown below:

ODD SEMESTER FOURTH YEAR AND MSC I

	DSC I (3T+1P)	DSC II (3T+1P)	DSC III (3T+1P)	DSE A (3T+1P)	DSE B (3T+1P)	2T (2)	RM (3T+1P)
MSc I (Old)	Mathematical Methods	Classical Mechanics	Solid State Physics	Microprocessor 8085 and 8086	-	Python Programming	Research Methodology
MSc I (New)	Mathematical Methods	Classical Mechanics	Solid State Physics	Microprocessor 8085 and 8086	Elements of Material Science	Machine Learning with Python	Research Methodology
4th Year Honours	Mathematical Methods	Classical Mechanics	Solid State Physics	Microprocessor 8085 and 8086	Elements of Material Science	Machine Learning with Python	Research Methodology
4th Year Research	Mathematical Methods	Classical Mechanics	-	Microprocessor 8085 and 8086	Elements of Material Science	Machine Learning with Python	Research Methodology

EVEN SEMESTER FOURTH YEAR AND MSC I

	DSC I (3T+1P)	DSC II (3T+1P)	DSC III (3T+1P)	DSE A (3T+1P)	DSE B (3T+1P)	2T (2 Credit)	OJT
MSc I (Old)	Electrodynamics	Quantum Mechanics-I	Solid State Devices	Microcontroller 8051	-	Advanced Electronics	OJT/FP (4 Credits)
MSc I (New)	Electrodynamics	Quantum Mechanics - I	Computational Physics	Microcontroller 8051	Experimental Techniques	Advanced Electronics	OJT/FP (4 Credits)
4th Year Honours	Electrodynamics	Quantum Mechanics - I	Computational Physics	Microcontroller 8051	Experimental Techniques	-	OJT/FP (6 Credits)
4th Year Research	Electrodynamics	Quantum Mechanics - I	-	Microcontroller 8051	Experimental Techniques	Advanced Electronics	RP/Internship (8 Credits)

Resolution: The aforesaid explanation and changes in the syllabus accepted and resolved.



Agenda item no. 4: To discuss and approve the modalities of assessment for the syllabus mentioned in the above point

The modalities of MSc- I and Fourth year UG Honours and Research programme was discussed and decided to keep unchanged for above courses as shown in item agenda no.3.

Resolution: The modalities of assessment is unanimously accepted.

Agenda item no. 5: To discuss and approve the syllabus for certificate courses that can be included in the basket of GE/OE at SY level in Sem- IV (including the modalities of assessment for the award of credits therein)

The certificate course based on Physics in daily life for SYBSc SEM-IV as basket of GE/OE course was introduced by Mr. Devendra Chavan. The content and interdisciplinary approach was appreciated by all BoS members. Dr. Sandip Kakade appreciated the content of the syllabus and suggested if we can introduce the basic physics laws used for the home appliances. The proposed certificate course outline and implementation will be discussed with dean academics and higher authority to include in the curriculum.

Resolution: The certificate course on Physics in daily life for SYBSc SEM-IV as basket of GE/OE with suggestions from BoS members accepted unanimously.

Agenda item no. 6. To discuss and approve the syllabus for certificate course that the Department wants to introduce.

The new certificate course on PCB design and embedded techniques was introduced by Mr. Devendra Chavan with the modalities. Mr. Devendra sir showed the videos of some of the Printed Circuit Board (PCB) made by UG and PG student on college level which is highly appreciated the all BoS members.

Resolution: The BoS members approved the syllabus of the certificate course on PCB design and embedded techniques.

Agenda item no. 7. Any other matter with the permission of the chair.

- Prof. Chakraborty and Dr. Kakade raised queries related to inadequate space in the department and practical instruments for running the new curriculum respectively. Prof. Pradhan answered that the space and the practical instruments procurements issues will be conveyed to the higher authority.

Resolution: Prof. Pradhan replied the member that the authority shall definitely provide all the facility required for smooth conduction of the course.

To discuss and approve the syllabus for the program on Post Graduate Diploma in Energy Science (PGDES)

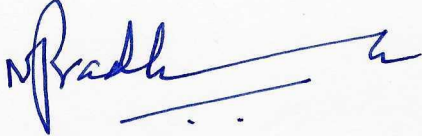
- Prof. Pradhan requested members to discuss and accept program on Post Graduate Diploma in Energy Science (PGDES) of 1 year and 2 semesters which will be run by external agency named Transform group under the Department of Physics. The Activities related to this



diploma will be solely managed by Transform group.

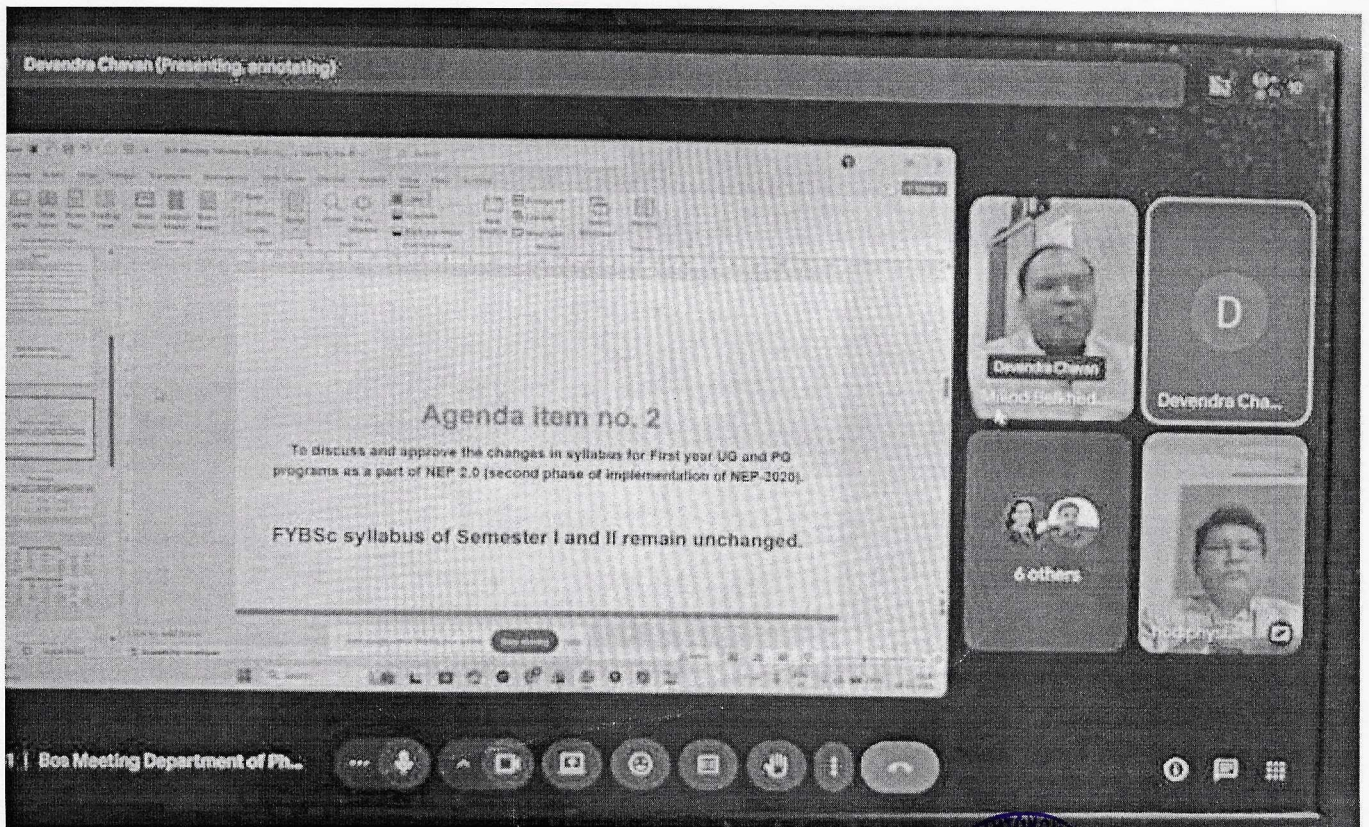
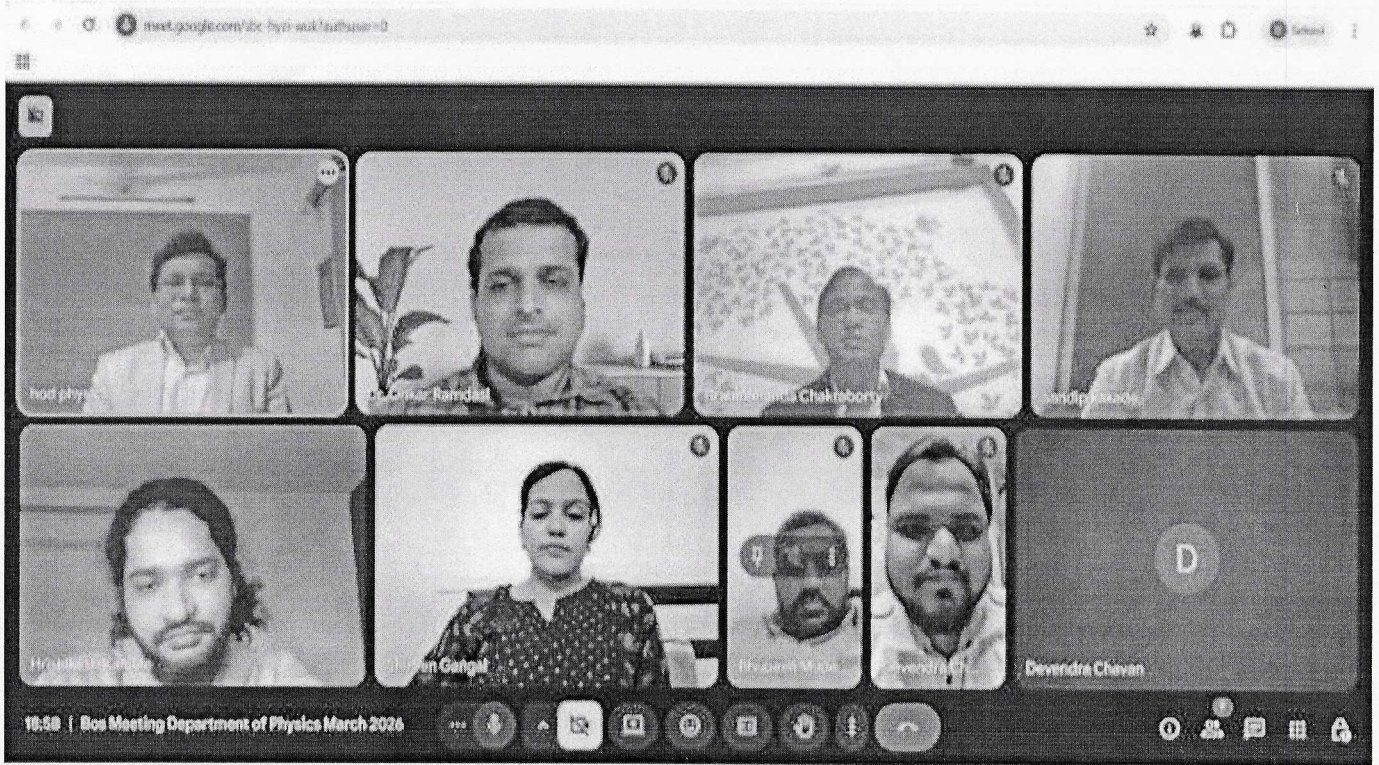
- **Resolution:** The Post Graduate Diploma in Energy Science (PGDES) course of 1 year and 2 semesters with syllabus and modalities for SEM-I and SEM-II has been approved unanimously.

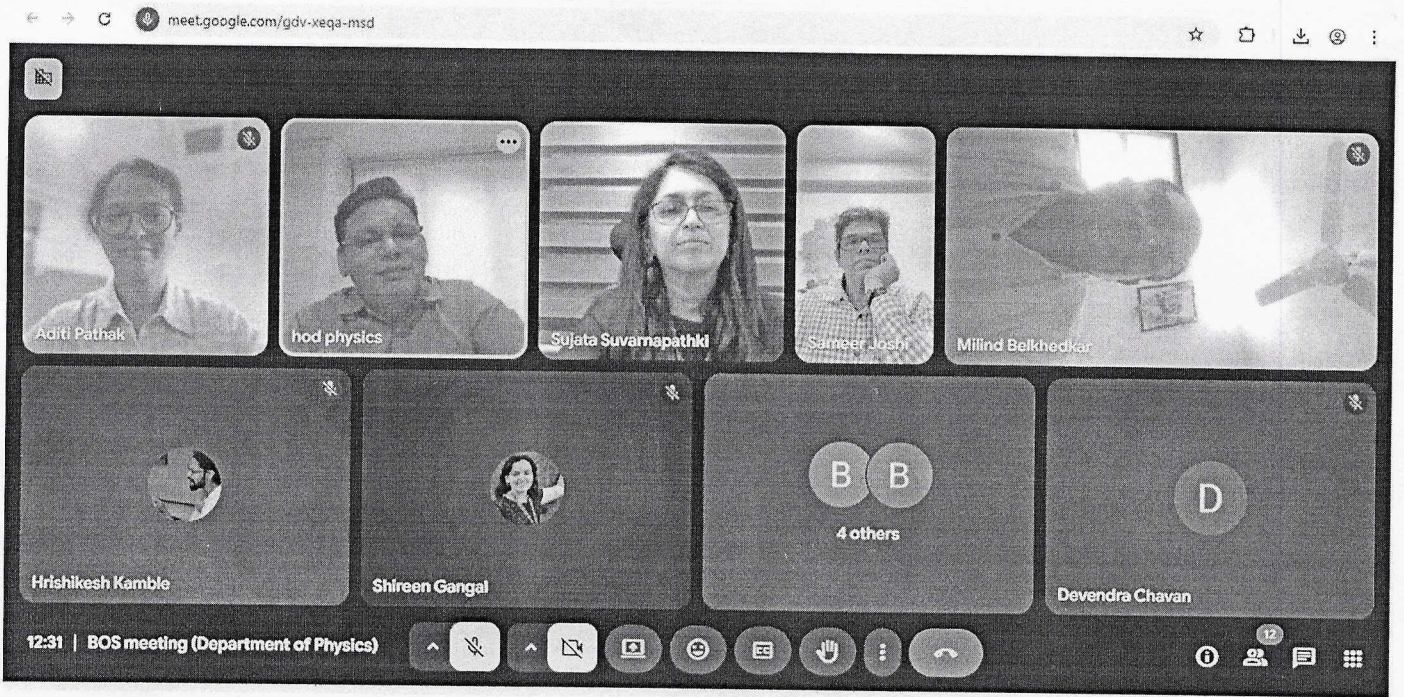
Finally, the BoS meeting ended with concluding remarks by Prof. Nana Pradhan and Vote of Thanks by Dr. Onkar Ramdasi.



Prof. (Dr.) Nana Pradhan,
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