

Minutes of the Meeting of the Members of BoS in Physics 2022-23

DATE : 10th April 2023 DAY: Monday TIMING: 2.00 PM Mode: Zoom+Offline

A meeting of members of BoS in Physics was held on Monday, 10th April 2023 at 2.00 pm in blended mode (online on Zoom platform and in-person) in the conference room of the college.

Following members were present:

- | | | |
|-----|--|-----------------------------------|
| 1. | Dr. Devraj Pawar | Chairperson |
| 2. | Dr. Kiran Kolwankar | Member |
| 3. | Mr. Sandip Hinge | Member |
| 4. | Dr. Vaishali Raikwar | Member |
| 5. | Mr. Ashish Yadav | Member |
| 6. | Mr. P Bhangale | Member |
| 7. | Mr. Jagdish Hande | Member |
| 8. | Ms. Kirti Om Prakash | Member |
| 9. | Mr. Ameya Chavan | Member |
| 10. | Dr. Shriganesh Prabhu
Tata Institute of Fundamental
Research, Mumbai | Subject Expert other University |
| 11. | Dr. Umesh Shinde
K J Somaiya Institute of Engineering &
Information Technology, Sion, Mumbai | Subject Expert other University |
| 12. | Dr. Vidya Hiren Patil
Associate Professor, Dept. of Physics
RuparelCollege, Mumbai | VC Nominee – Subject Expert |
| 13. | Dr. Madhavi Thakurdesai
Professor, Dept. of Physics B. K. Birla
College, Kalyan | Subject Expert – Invitee |
| 14. | Dr. Bharati Kakad
Associate Professor, Indian Institute of
Geomagnetism, Navi Mumbai | Illustrious Alumni-subject expert |

Agenda

1. Minutes of last meeting (Held on 25th August 2022)
2. Approve F.Y.B.Sc. Physics Semester I syllabus as per NEP-2020 guidelines
3. Changes in T.Y.B.Sc. Physics syllabus
4. Approve M.Sc. Physics Electives syllabus
5. Any other matter

Following topics were discussed in the meeting:

The Chairperson welcomed all members present in the meeting.

Item 1 : Dr. Devraj Pawar read the minutes of the last BOS meeting.

Item 2 : Actions taken based on suggestions in previous meeting was conveyed to BoS members.

(i) Time and laboratory facility was provided T.Y.B.Sc. Physics students to enable them to do their projects as per item 7(v).

(ii) We did not make changes as per item 7(vi) since the ongoing syllabus will be applicable for 2 years.

Item 3: Semester I Subject 1 course (Mechanics) was approved by the BoS with following suggestions/discussions

- a) syllabus was approved
- b) introduce practicals to make the lab course less monotonous
- c) to keep in mind that the experiments in the present list are skill based and have more calculations for FY students
- d) it was suggested to include experiments related to work done, potential energy topics
- e) course structure 3 credits for theory + 1 credits for tutorial + 2 credits for laboratory was approved
- f) evaluation scheme for theory, tutorials, practicals was approved

Item 4: Generic elective course on Astronomy and Astrophysics was approved by the BoS with following suggestions/discussions

- a) syllabus was approved
- b) evaluation scheme of theory and practicals was approved
- b) expect less number of students to register as students prefer courses like machine learning, python, data science
- c) it was suggested to counsel the students to select generic electives which will be useful for their major subjects

Item 5: Generic elective course on Digital Electronics was approved by the BoS with following suggestions/discussions

- a) syllabus was approved
- b) evaluation scheme of theory and practicals was approved
- b) topics which were not in application and which may require detailed prior knowledge should be removed, this was implemented immediately and syllabus was modified during the meeting

Item 6: Semester II Subject 1 course (Thermodynamics) was approved by the BoS with following suggestions/discussions

- a) include more practicals in the list, it was agreed that we complete the list by next BoS meeting, we also requested for suggestions for thermodynamics experiments

Item 7: Changes in the TYBSc syllabus of Statistical Mechanics were approved

Item 8: Syllabus for two M.Sc. electives Introduction to Astronomy and Advanced Astronomy with following suggestions

- a) to explain marking scheme to students in advance

Item 8: Syllabus for M.Sc. elective Geophysics and Space Physics was approved

Item 9: It was suggested to introduce Geology elective for M.Sc., it is decided to take feedback regarding demand for the subject and introduce it accordingly

Item 10: Department members assured all BOS members that due corrections and implementations of the topics discussed in the meeting will be incorporated. The meeting ended by thanking to all the members for actively participating and giving their valuable inputs and insights. We thanked the Principal and the Director of the institution for the facilities to conduct the meeting.


(Devraj Pawar)
Chairperson

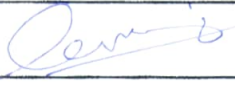
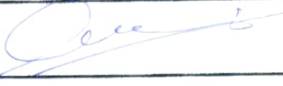


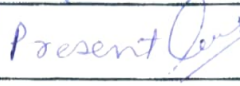
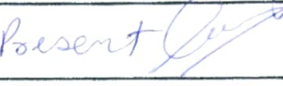
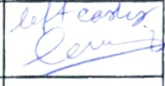

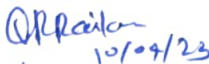
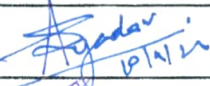
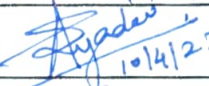
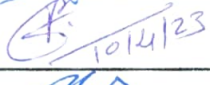
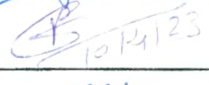
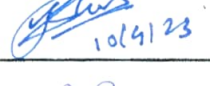
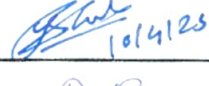

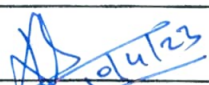
Attendance for BoS meeting 10th April 2023
(2.00pm to 3.30pm)

HINDI VIDYA PRACHAR SAMITI'S
RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)
GHATKOPAR (W) MUMBAI - 86.

PHYSICS DEPT. / 01 / 04 / 2023.

DEGREE COLLEGE

A meeting of all teachers of the PHYSICS DEPT. (Degree college) will be held on 10th April, 2023. at 2.00pm in the Physics Department. All are requested to attend.
(Conference room 1st floor)

Sr. No.	Name	Notice received signature.	Meeting Attended signature with time.	Remark
1	Dr. Devraj Pawar.			
2	Dr. Kiran Kolwankar			
3	Prof. Sandip Hinge	Present 	Present 	left coding 
4	Dr. Vaishali Raikwar		 10/04/23	
5	Prof. Ashish Yadav	 10/4/23	 10/4/23	
6	Prof. Prafulladatta Bhangale	 10/4/23	 10/4/23	
7	Mr. Jagdish Hande	 10/4/23	 10/4/23	
8	Ms. Rani Shaikh	— AB —	— AB —	— AB —
9	Ms. Kirti Singh	 10/4/23	 10/4/23	
10	Dr. Vighnesh Dube	— AB —	— AB —	— AB —
11	Mr. Ameya Chavan	— AB —	— AB —	— AB —
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| 8. | Ms. Kirti Om Prakash | In person |
| 9. | Dr. Shriganesh Prabhu
Tata Institute of Fundamental
Research, Mumbai | Online - Zoom |
| 10. | Dr. Umesh Shinde
K J Somaiya Institute of Engineering &
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