

Shiksha Mandal's
Bajaj College of Science, Wardha (Autonomous)
Department of Physics
Minutes of BoS Meeting (28th March 2024)

The second meeting of BoS in Physics, for the session 2023-24, was held on 28th March 2024:

Agenda of the meeting

- 1) Confirmation of minutes of the last BoS meeting dated 12 October 2023.
- 2) Confirmation of Syllabus of Sem-III and Sem-IV of UG as per NEP proposed in the last meeting.
- 3) Discussion on the proposed PG Syllabus in Physics, Sem-I and Sem-II to be implemented from Session 2024-25.
- 4) Approval of certificate courses (if any).
- 5) Approval of SEC + VSC courses (if any).
- 6) Addition of course codes.
- 7) Any other point with the permission of the chair.

The meeting was conducted in blended mode offline/online on Google Meet platform.
Following members attended the meeting:

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|-----------------------------|---|-----------------|
| 1) Dr. Sanjay H Bagade | (Chairman, BOS) | |
| 2) Prof. Rupesh s Gedam | (Subject expert from outside parent University) | Attended Online |
| 3) Prof. Sandeep A Waghuley | (Subject expert from outside parent University) | Attended Online |
| 4) Dr. Umesh Palikundwar | (University Expert) | Attended Online |
| 5) Dr. Ashish Nimbekar | (Meritorious Alumni) | Attended Online |
| 6) Dr. U D Gulhane | (Representative from Industry/Corporate sector) | — |
| 7) Dr. G.V. Lakhotiya | (Member) | |
| 8) Dr. S.R. Tiple | (Member) | |
| 9) Dr. M.M. Yerpude | (Member) | |
| 10) Dr. Priyanka Virutkar | (Member) | |

1. The meeting started with the welcome of the external members by the BoS Chairman, Dr. S.H Bagade.

2. Dr. S H Bagade read out the minutes of the previous BoS meeting held on 12 October 2023. The decisions of the meeting were approved by all the members.
3. The syllabus for Semester – III and Semester-IV was accepted with necessary modifications and this syllabus will be implemented from the session 2024-25.
4. **M.Sc. Physics Sem-I and Sem-II Course**

- I. Dr. S H Bagade introduced and discussed the credit structure for the syllabus of M.Sc. Sem-I and Sem-II to the members of BoS meeting.
- II. The syllabus for M.Sc. Sem-I was discussed by Dr. S R Tiple, and the syllabus consists of:
 - a) (DSC 1) Mathematical Physics
 - b) (DSC 2) Electronics
 - c) (DSC-3): Practical 1A General
 - d) (DSC-4): Practical 1B Electronics
 - e) (DSE 1A) Energy Devices Or (DSE 1B) Experimental Techniques in Applied Sciences
 - f) (RM) Research methodology.
- III. The syllabus for M.Sc. Sem-II was discussed by Dr. S R Tiple, and the syllabus consists of:
 - a) (DSC 5) Complex Analysis and Numerical Methods
 - b) (DSC 6) Statistical Physics
 - c) (DSC-7): Practical 2A Computational
 - d) (DSC-4): Practical 2B General
 - e) (DSE 2A) Spectroscopy Or (DSE 2B) X-Rays
 - f) OJT: On Job Training
 - g)

Prof. S A Waghuley gave some suggestions regarding inclusion and deletion of topics in the M.Sc. Sem-I and Sem-II syllabus. He also suggested for inclusion of some experimental techniques and instruments related to Physics in the paper of Research Methodology.

Prof. R S Gedam suggested few experiments that can be included in the syllabus of M.Sc. Physics courses. Both Prof. R S Gedam and Dr. Ashish Nimbekar had a fruitful discussion on the Discipline Specific Elective courses.

5. Certificate Course

Dr. M M Yerpude introduced and discussed the syllabus for certificate course "Arduino and Sensor Integration". This course carries 02 credits and will be 60 hours in duration. It will be carried out in online /offline mode. Prof. R S Gedam and Dr. Ashish Nimbekar gave suggestions regarding the fee structure and advised that fees for the course be reduced after consultation with the principal.

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6. Skill Enhancement Course (SEC)

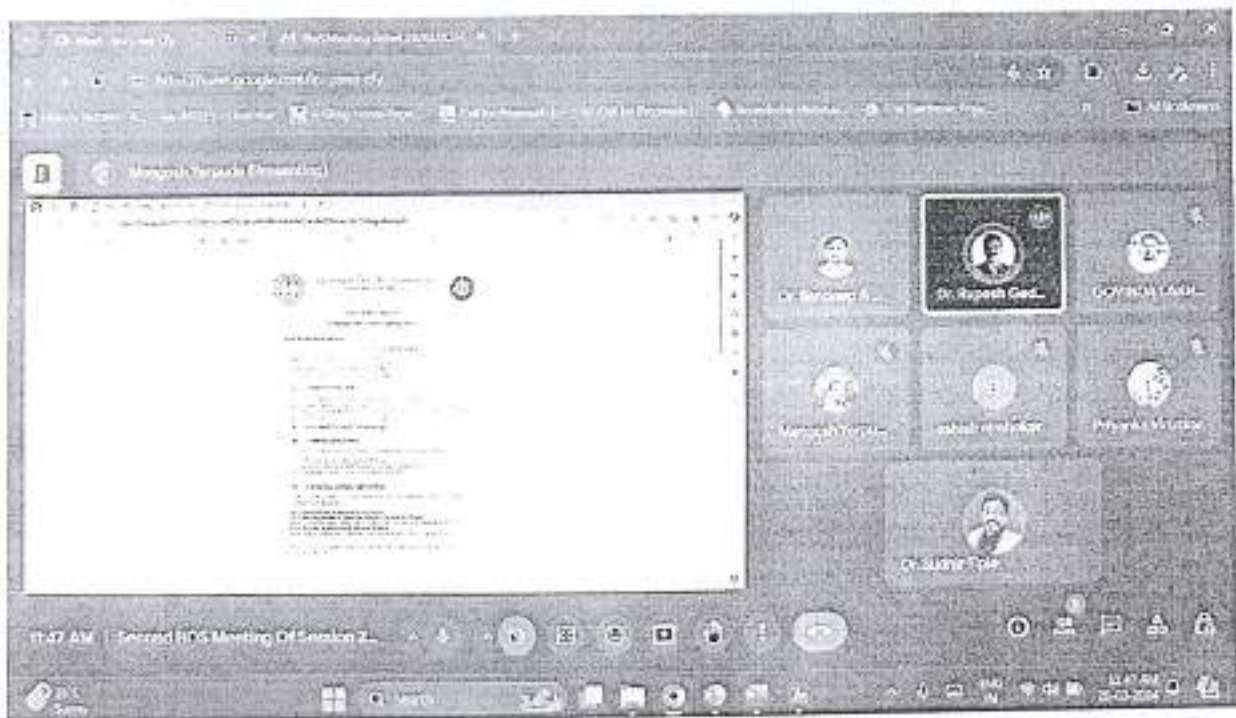
- I. Dr. S R Tiple Proposed and discussed the Skill Enhancement Course (SEC) titled "Digital Film Production." This SEC course has practical components only and carries Two credits. This course is designed for Sem-III students.
- II. Dr. S H Bagade Proposed and discussed the Skill Enhancement Course (SEC) titled "Basic Digital Techniques." This SEC course has practical components only and carries Two credits. This course is designed for Sem-IV students.

Prof. S A Waghuley and Prof. R S Gedam gave suggestions that the students should be taught the basics theory of the Skill Enhancement Course, before they actually are ready for performing the experiments.

7. Vocational Skill Course (VSC)

- I. Dr G V Lakhotiya presented the Vocational Skill Course (VSC) titled "Laboratory Training in Physics." In this BoS meeting this course was revised and updated. Some new activities and experiments were added to the syllabus.
 - II. Dr. M M Yerpude presented and discussed the Vocational Skill Course titled "Digital Physics Lab", which will be taught to the Sem-V students.
8. Course codes for the different papers in the UG and PG syllabus, SEC, VSE, GE courses were discussed and approved in the meeting.
 9. The panel of internal and external examiners was presented by Chairman Dr. S H Bagade. It was finalized by all the members.
 10. It was agreed upon by all the BoS members, that, any changes in the credit system, course and syllabus structure can be made by BoS Chairman in consultation with the BoS members, as and when required, as per the directives of Affiliated RTM Nagpur University, Nagpur and the Government Resolutions of Maharashtra Government.
 11. The meeting ended with a formal vote of thanks by Chairman Dr. Sanjay H Bagade.


28/03/2024
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