

Shiksha Mandal's  
**Bajaj College of Science, Wardha (Autonomous)**  
**Department of Physics**  
**Minutes of BoS Meeting (10<sup>th</sup> March 2025)**

The second meeting of BoS in Physics, for the session 2024-25, was held on 10<sup>th</sup> March 2025

**Agenda of the meeting**

1. Confirmation of minutes of previous BoS meeting (held in the month of August 2024).
2. Approval to the syllabi of B.Sc. Sem-V and VI, Major and Minor along with COs and POs.
3. Approval to the syllabus of M.Sc., if any along with COs and POs.
4. Approval to the change in syllabi, if any.
5. Approval to the Open/Generic Electives, if any.
6. Approval to new certificate programs, if any.
7. Panel of examiners and paper setters.
8. Any other point with the permission of the chair

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

- |                             |   |                                |
|-----------------------------|---|--------------------------------|
| 1) Dr. Sanjay H Bagade      | (Chairman, BOS)                                 | — <i>Manfuyli</i><br>10/3/2025 |
| 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) Prof. Umesh Palikundwar  | (University Expert)                             | Attended Online                |
| 5) Dr. Ashish Nimbekar      | (Meritorious Alumni)                            | Attended Online                |
| 6) Dr. U D Gulhane          | (Representative from Industry/Corporate sector) | — Online —>                    |
| 7) Dr. S.R. Tiple           | (Member)  | <i>Tiple</i><br>10.03.25       |
| 8) Dr. M.M. Yerpude         | (Member)  | <i>Yerpude</i><br>10/3/25      |

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 29<sup>th</sup> August 2024. The decisions of the meeting were approved by all the members.
3. The syllabus for Semester-V and Semester-VI for Undergraduate courses, along with Generic Elective (GE) and Vocational Skill Course that were proposed in the previous

*Manfuyli*  
10/03/2025

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BoS meeting were approved by all the BoS members. The changes and suggestions given by the BoS members were incorporated in the syllabus.

#### 4. B.Sc. Sem-V and Sem-VI Syllabus

- I. Dr. S H Bagade introduced and discussed the credit structure for the syllabus of Sem-V and Sem-VI with the members of BoS meeting. It was decided that the DSE courses will have Four credits and only theory in syllabus.
- II. The syllabus for Sem-V was discussed by Dr. S R Tiple, and the syllabus consists of:
  - a) (DSC V) Modern Physics
  - b) (DSC VI) Solid State Physics
  - c) (DSE-I): Astronomy and Indian Space Mission
  - d) (DSE-II): Non-conventional Sources of Energy
- III. The syllabus for Sem-VI was discussed by Dr. M M Yerpude, and the syllabus consists of:
  - a) (DSC VII) Nuclear Physics, LASER, Optical Fiber & Bioinstrumentation
  - b) (DSC VIII) Digital and Solid State Electronics
  - c) (DSE-III): Nanoscience and Nanotechnology
  - d) (DSE-IV): Medical Physics

#### 5. M.Sc. Sem-I and Sem-II Syllabus


- I. The M.Sc. syllabus that had been proposed in the previous Board of Studies meeting (dated: 28<sup>th</sup> March 2024) was once more presented before the members of BoS by Dr. S H Bagade. The suggestions and changes made by the BoS members were incorporated into the syllabus.
- II. The syllabus for M.Sc.-I Sem-I 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.-I Sem-II 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

*M. S. Bagade*  
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IV. Prof. S A Waghuley gave some suggestions regarding inclusion and deletion of topics in the syllabus. He also suggested for the inclusion of some experimental techniques and instruments related to Physics, which will be incorporated practically.

Prof. R S Gedam suggested a few experiments that can be included in the syllabus of Sem-VI. Both Prof. R S Gedam and Dr. Ashish Nimbekar had a fruitful discussion on the Discipline Specific Elective courses. Dr Ashish Nimbekar suggested a few experiments for Nuclear Physics and LASER for Undergraduate students, which were included in the syllabus. Prof. Pallikundwar gave suggestions regarding soft skill developments, and he also suggested some computer based experiments for MSc Syllabus. Discussions were also held on various points like Multiple Entry and Multiple Exit, Teaching Learning Methodologies, Online and Blended courses etc.

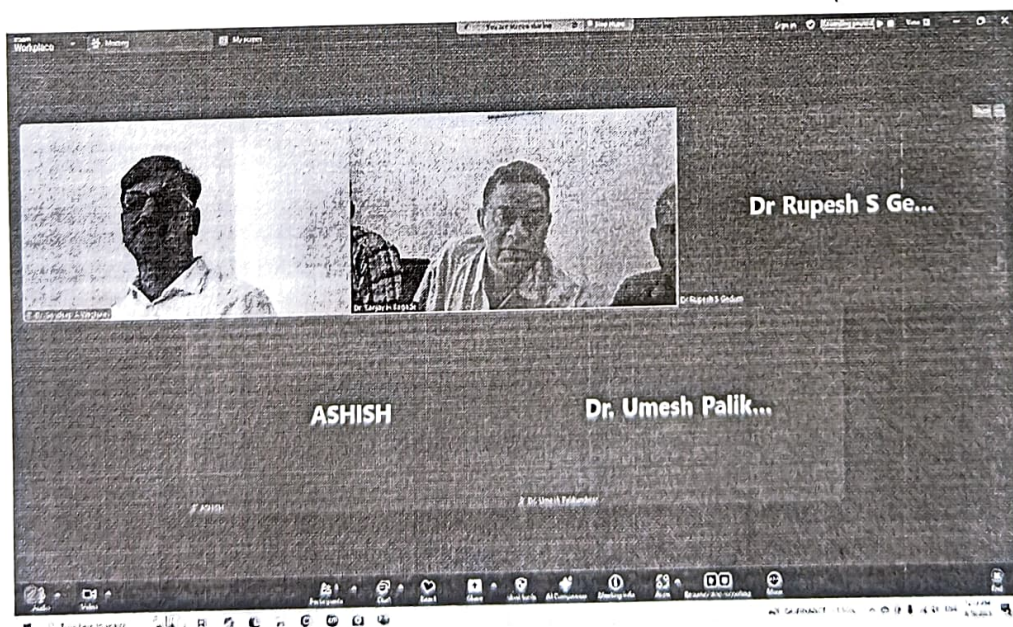
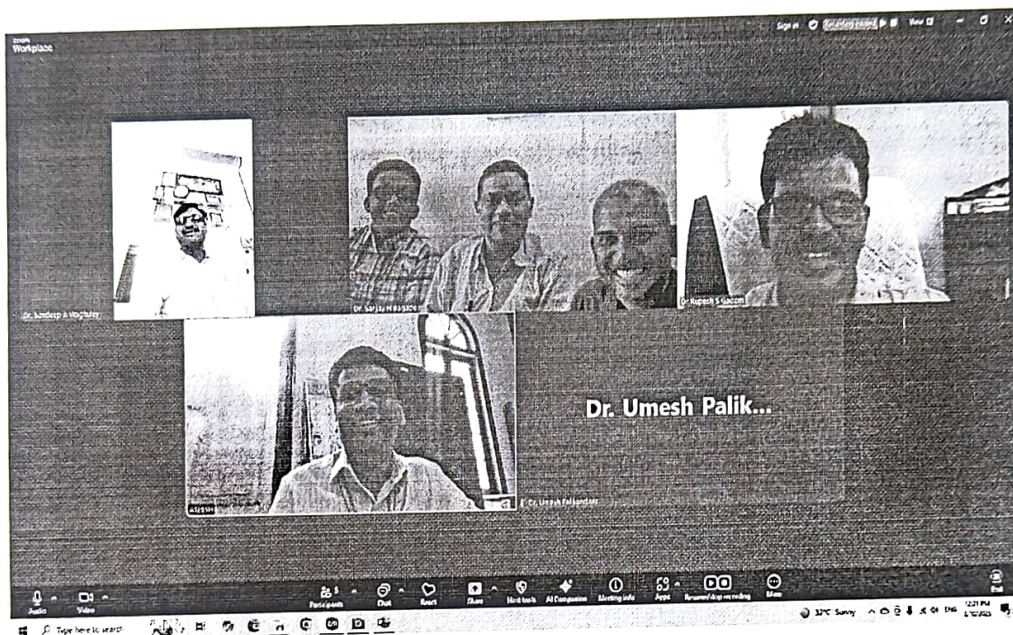
6. The valuation Scheme for the Field project of Sem-IV and the On Job Training (OJT) for Sem-VI were presented and discussed by Dr. M M Yerpude.
7. These courses were approved and accepted by all the BoS members with necessary modifications.
8. The panel of internal and external examiners was presented by Chairman Dr. S H Bagade. It was finalized by all the members.
9. 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.
10. The meeting ended with a formal vote of thanks by Chairman Dr. Sanjay H Bagade.

  
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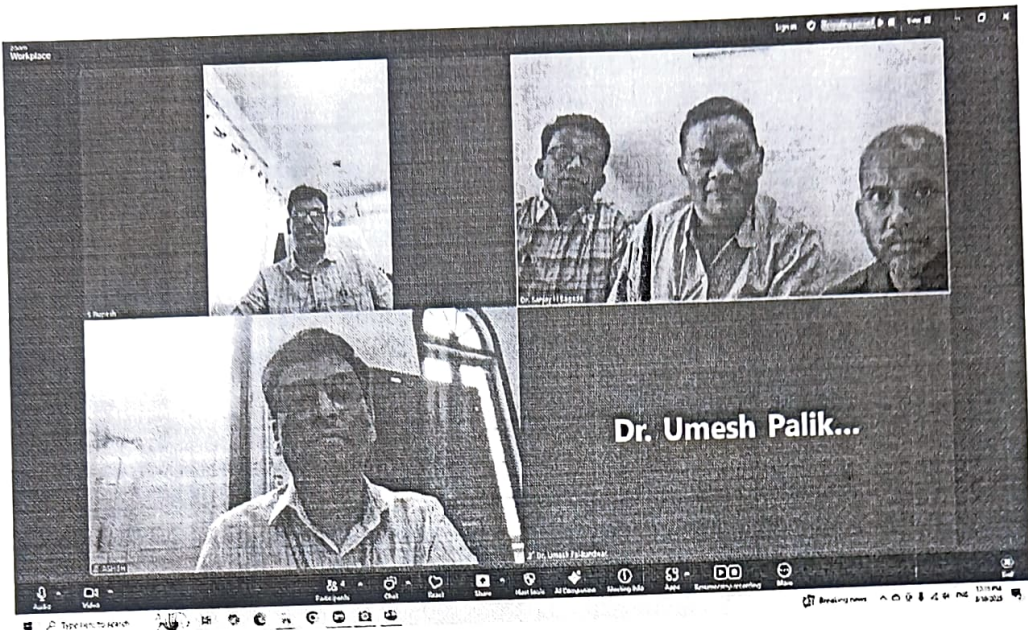


**Bajaj College of Science, Wardha**  
**Department of Physics**  
**Board of Studies Meeting Date: 10-03-2025**



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10/03/2025  
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## Field Projects & Internship

1. Field project / community services of B.Sc. Sem IV
2. Internship related to DSC of B.Sc. Sem VI
3. Evaluation scheme of projects of Sem-IV and Internship of Sem-VI.

Sr. No	Evaluation type	Marks
1	Presentation	15
2	Report	25
3	Certificate.	10

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