



Mahatma Phule Shikshan Sanstha's  
KARMAVEER BHAURAO PATIL COLLEGE,  
URUN-ISLAMPUR  
DEPARTMENT OF PHYSICS



**Activity**  
**The Michelson–Morley Experiment: A Search for  
the Aether**

Date: 19/12/2025

**Notice**

All the student of BSc are here by informed that the Department of Physics conduct the activity on From **The Michelson–Morley Experiment: A Search for the Aether** dated 19/12/2025.

All the student are requested to be present for the activity.

Venue: Department of Physics

Time: 1:00 PM

**Head**

Department of Physics  
Karmaveer Bhaurao Patil College  
Urun-Islampur, Dist-Sangli-415409

**Head of Department**



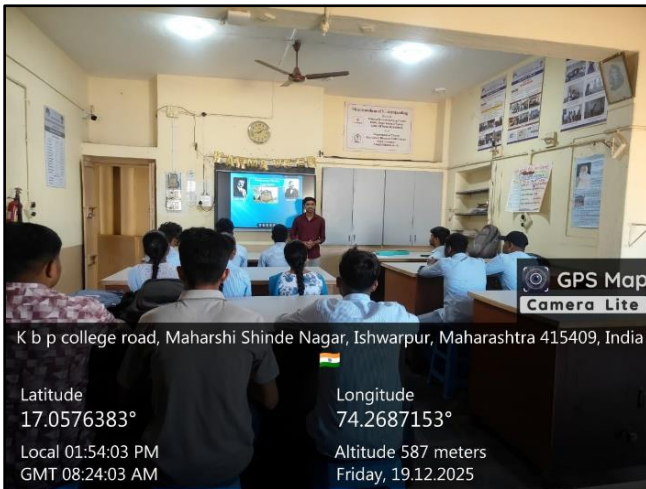
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**Photo Gallery**





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Activity  
**The Michelson–Morley Experiment: A Search  
for the Aether**

**Date: 19/12/2025**

**Activity Title: The Michelson–Morley Experiment: A Search for the Aether**

**Target Audience: B.Sc.**

❖ **Objective of the Activity:**

- ✚ To enhance conceptual understanding of classical and modern physics among undergraduate students.
- ✚ To familiarize students with the historical background and significance of the Michelson–Morley experiment.
- ✚ To develop presentation, communication, and scientific explanation skills in students.
- ✚ To encourage peer learning through student-led academic activities.

❖ **Summary of the Activity:**

The Department of Physics organized an informative presentation on the **Michelson–Morley Experiment** for B.Sc. Physics students. The activity was arranged by **B.Sc. Second Year Physics students** and presented by **B.Sc. Second Year Physics students, Mr. Vedant Dhanawade and Mr. Rohit Bansode**. The PowerPoint presentation systematically covered the **ether hypothesis**, historical background of the Michelson–Morley experiment, detailed explanation of the **experimental setup**, working principle, observations, and the **actual experimental results**. The presenters also discussed the **null result** of the experiment and its importance in rejecting the ether hypothesis, leading to the development of **Einstein's Special Theory of Relativity**. The presentation was well-structured, informative, and supported with diagrams and clear explanations, which helped students understand this landmark experiment in physics.

### ❖ **Outcome of the Activity:**

- ✚ Students gained a clear understanding of the Michelson–Morley experiment and its role in modern physics.
- ✚ The activity strengthened analytical and critical thinking skills among students.
- ✚ Presenters improved their confidence, presentation skills, and subject clarity.
- ✚ The session promoted active learning and academic interaction among students.

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### ❖ **Feedback:**

The activity received positive feedback from students and faculty members. Participants appreciated the clear explanation of complex concepts, effective use of visual aids, and the interactive nature of the presentation. Students found the session informative and helpful for their curriculum.

### ❖ **Conclusion:**

The informative presentation on the Michelson–Morley experiment was successfully conducted and achieved its objectives. The activity proved to be an effective academic initiative that enhanced students' understanding of fundamental physics concepts while promoting student participation and peer learning. Such activities contribute significantly to the overall academic development of students.



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Attendance

Sr.no	Name of Student	Signature
1	Vaishnavi Bhagwat Shendage	BS
2	Sakshi Krishna Kurunge	S.K.
3	Pallavi Popat Sankpal	Sankpal.
4	Pooja Sanjay Kumbhar	Kumbhar
5	Bhumnika Pramod Patil	Patil.
6	Shreya Sadashiv Lahigade	Lahigade.
7	Dipati Dattatray Suryawanshi	Suryawanshi
8	Yadav Aishwarya Nivas	Nivas.
9	Diksha Sanjay Suryawanshi	SJ
10	Aryan Rajendra Pol	AryanPol.
11	Aditya Dipak Panake	Panake.
12	Alvira Elai Nadaf	Alvira..
13	Vaishnavi Sunil Pawar	Pawar.
14	Nikita Kiran Vitkar	Vitkar
15	Shreyash Sunil Kale	Kale.
16	Swapnil Vijay Chalkhe	Chalkhe
17	Sumit Anandrao Mali	S.A.Mali