

Mahatma Phule Shikshan Sanstha's  
**KARMAVEER BHAURAO PATIL COLLEGE,**  
**URUN-ISLAMPUR**  
**Department of Physics**  
**(2024-25)**



Date:- 24/06/2024

**Notice**

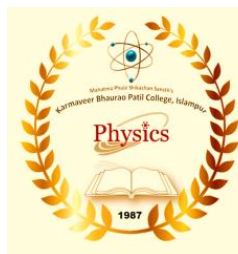
All the student of BSc-I are here by informed that ,the Department of Physics conduct the Activity on Demonstration of Vernier Calliper & Micrometer Screw Gauge, dated 25/06/2024.

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

Venue:-Department of Physics

Time:-12.30 pm to 1.30 pm

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



Mahatma Phule Shikshan Sanstha's  
**KARMAVEER BHAURAO PATIL COLLEGE,**  
**URUN-ISLAMPUR**  
**Department of Physics**  
**(2024-25)**



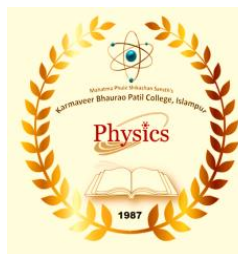
Class:- B.Sc-I

Date: 25/06/2024

### Report

1. **Understanding the Parts:** Vernier calipers consist of two main parts:
  - **Main scale:** This is the larger, fixed scale on the caliper, typically marked in millimeters (mm).
  - **Vernier scale:** This is a smaller scale that slides along the main scale. It allows for precise measurements to be read between the markings on the main scale.
2. **Taking External Measurements:**
  - To measure the external dimensions of an object (like the diameter of a rod), open the calipers by sliding the jaws apart.
  - Place the object between the jaws of the caliper and gently close them until they touch the object.
  - Read the measurement where the zero mark on the Vernier scale aligns with the main scale. The Vernier scale allows for finer readings beyond what is marked on the main scale.
3. **Taking Internal Measurements:**
  - For internal measurements (like the internal diameter of a pipe), use the smaller jaws that are on the inside of the main jaws.
  - Insert the jaws into the opening to be measured and gently expand them until they touch the sides.
  - Read the measurement in the same way as for external measurements, aligning the zero of the Vernier scale with the main scale.
4. **Taking Depth Measurements:**
  - To measure the depth of a hole or groove, use the depth probe that extends from the bottom of the Vernier calipers.
  - Place the probe into the hole or groove and read the depth measurement where the Vernier scale aligns with the main scale.
5. **Reading the Measurement:**
  - The main scale will give you the whole number part of the measurement (e.g., 10 mm, 15 mm).
  - The Vernier scale provides the fractional part (e.g., 0.05 mm, 0.02 mm). The Vernier scale should be read where its markings align most closely with the main scale.
6. **Practice and Accuracy:**
  - Ensure the calipers are clean and properly zeroed before each measurement.
  - Take care not to apply excessive force when measuring delicate objects to avoid damage

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



Mahatma Phule Shikshan Sanstha's  
KARMAVEER BHAURAO PATIL COLLEGE,  
URUN-ISLAMPUR  
Department of Physics  
(2024-25)



Class:- B.Sc-I

Date:25/06/2024

### Photo Gallery

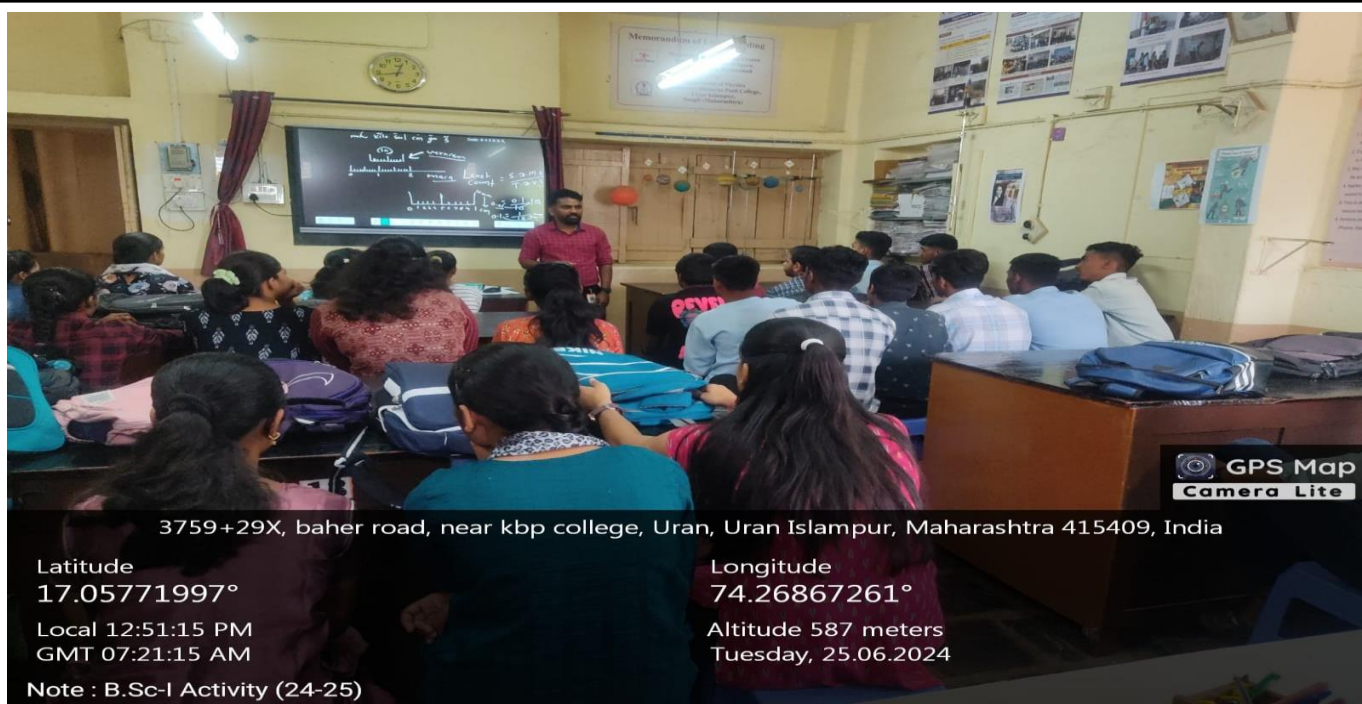


3759+29X, baher road, near kbp college, Uran, Uran Islampur, Maharashtra 415409, India

Latitude  
17.0577157°

Local 12:51:00 PM  
GMT 07:21:00 AM

Longitude  
74.2686871°  
Altitude 587 meters  
Tuesday, 25.06.2024



3759+29X, baher road, near kbp college, Uran, Uran Islampur, Maharashtra 415409, India

Latitude  
17.05771997°

Local 12:51:15 PM  
GMT 07:21:15 AM

Longitude  
74.26867261°  
Altitude 587 meters  
Tuesday, 25.06.2024

Note : B.Sc-I Activity (24-25)



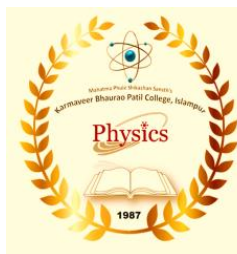


Mahatma Phule Shikshan Sanstha's  
KARMAVEER BHAURAO PATIL COLLEGE,  
URUN-ISLAMPUR  
Department of Physics  
(2024-25)



Class:- B.Sc-I





Mahatma Phule Shikshan Sanstha's  
**KARMAVEER BHAURAO PATIL COLLEGE,**  
**URUN-ISLAMPUR**  
**Department of Physics**  
**(2024-25)**



Class:- B.Sc-I

**Attendance**

**Title of Programme : Demonstration of Vernier Callipers /Micrometer Screw G.**

**Date : 25/06/2024**

**Venue: Physics Lab**

[ F.T.B.Sc ]		25/06/24
Boy's		Activity-I
Sr no	Name of student	Sign
1	Sanket Santosh pawar	<u>S. Pawar</u>
2	Pranav Shivaji Payamal	<u>P.S. Payamal</u>
3	Chaitanya Shashikant Vanjari	<u>C. Vanjari</u>
4	Rohit Rajendra Khot	<u>R. Khot</u>
5	Ajit Ankush Chopade	<u>A. Chopade</u>
6	Sanchit Jaywant Mohit	<u>S. Mohit</u>
7	Sahil Vasant Rakate	<u>S. Rakate</u>
8	Ali Ghakil Mujawar	<u>A. Mujawar</u>
9	Poornav maheshkumar Bhosale	<u>P. Bhosale</u>
10	Aditya Arjun mane	<u>A. Mane</u>
11	Harshvardhan Sachin Thorat	<u>H. Thorat</u>
12	Sumit Pratar thorat	<u>S. Thorat</u>
13	Deptsheel prakash Thorat	<u>D. Thorat</u>
14	Shoegash shivaji Ture	<u>S. Ture</u>
15	Rutvej Kantosh mane	<u>R. Mane</u>
16	Yash Dattatray Chitnis	<u>Y. Chitnis</u>



[Bsc-I]

25/06/2024

Boy's/Girls

Activity-I

Sr No	Name of student	Sign
①	Ruksar Bashir Mulani	<u>R. mulani</u>
②	Pranita Suresh Kumbhar	<u>P. Kumbhar</u>
③	Goyatri Rajendra Mulik	<u>G. Mulik</u>
④	Gouri Rajendra Mulik	<u>G. Mulik</u>
⑤	Aarshiya Asif Hawaldar	<u>A. Hawaldar</u>
⑥	Bhakti Abhijit Patil	<u>B. Patil</u>
⑦	Aditi Vinod Sapkal	<u>A. Sapkal</u>
⑧	Shruti Suyakant Autade	<u>S. Autade</u>
⑨	Sai Jaywant Chavan	<u>S. J. Chavan</u>
⑩	Vaishnavi Amol Sawant	<u>V. Sawant</u>
⑪	Rutuja Dipak Gaikwad	<u>R. Gaikwad</u>
⑫	Tulsi Rajendra Girigosavi	<u>T. Girigosavi</u>
⑬	Dhanashai Satish Kumbhar	<u>D. Kumbhar</u>
⑭	Prachiti Kiran Kirolkar	<u>P. Kirolkar</u>
⑮	Gayatri Mohan Bhise	<u>G. M. Bhise</u>
⑯	Rajlaxmi Prashant Patil	<u>R. Patil</u>
⑰	Shravani Ajay Jadhav	<u>S. A. Jadhav</u>
⑱	Hande Samruddhi Babasaheb	<u>H. Babasaheb</u>
⑲	Koli Sanika Rajendra	<u>S. Koli</u>
⑳	Chougale Sucha Ashok	<u>S. Chougale</u>
㉑	Hubale Gauri Pandurang	<u>G. Hubale</u>